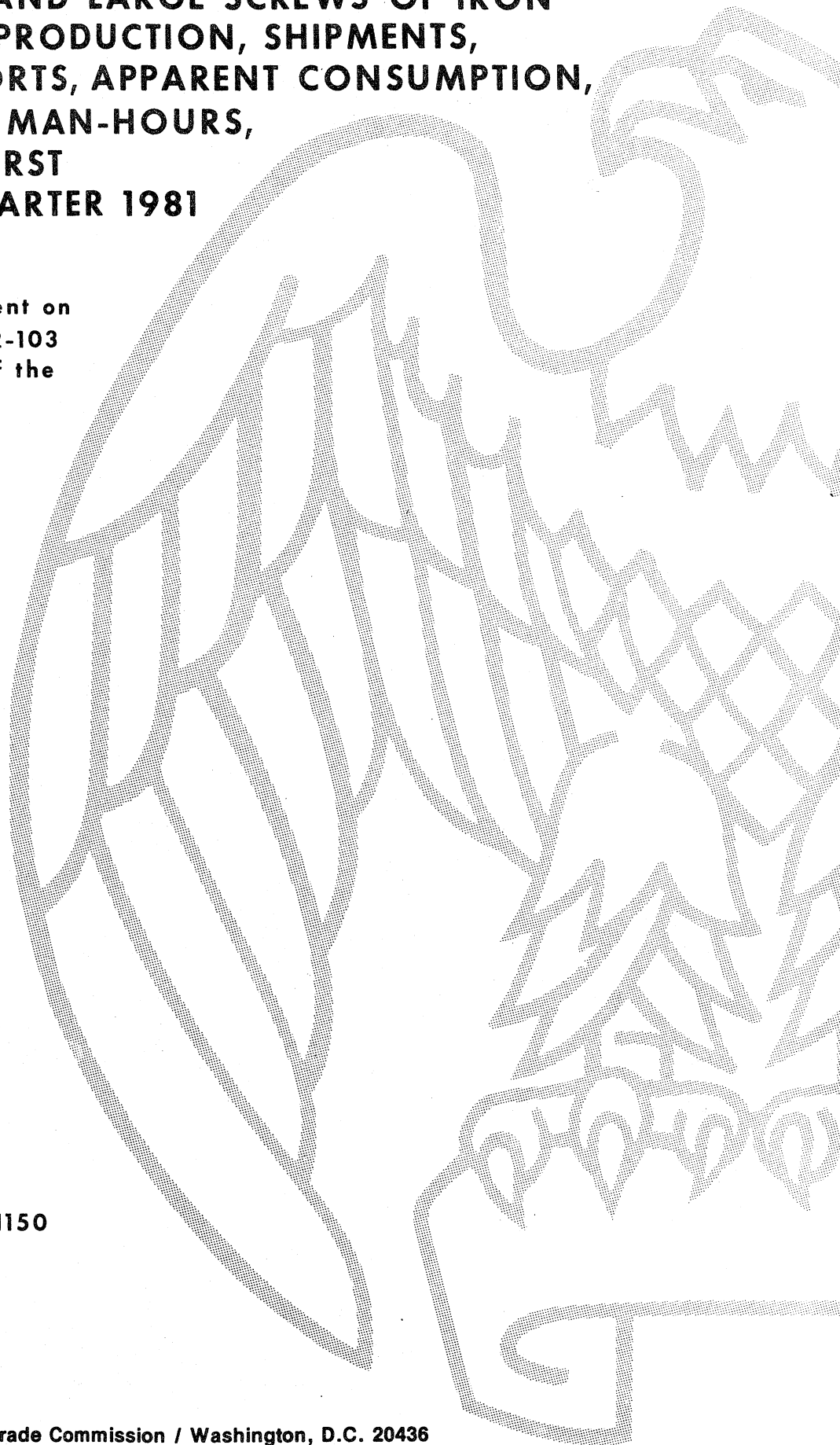


**BOLTS, NUTS, AND LARGE SCREWS OF IRON
OR STEEL: U.S. PRODUCTION, SHIPMENTS,
IMPORTS, EXPORTS, APPARENT CONSUMPTION,
EMPLOYMENT, MAN-HOURS,
AND PRICES, FIRST
CALENDAR QUARTER 1981**

Report to the President on
Investigation No. 332-103
Under Section 332 of the
Tariff Act of 1930

USITC PUBLICATION 1150

MAY 1981



UNITED STATES INTERNATIONAL TRADE COMMISSION

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Summary Highlights of the Ninth Quarterly Survey of U.S. Producers
of Bolts, Nuts, and Large Screws of Iron or Steel

Production

U.S. production of bolts, nuts, and large screws during the first quarter of 1981 totaled 226 million pounds, which was 20 percent less than production during the first quarter of 1980, but 6 percent greater than production during the fourth quarter of 1980.

U.S. producers' shipments

During the first quarter of 1981, U.S. producers' shipments of bolts, nuts, and large screws amounted to 199 million pounds, which was about 24 percent less than shipments in the first quarter of 1980 and about the same as shipments during the fourth quarter of 1980.

U.S. imports

U.S. imports of bolts, nuts, and large screws totaled 153 million pounds in the first quarter of 1981, which was 17 percent less than imports in the first quarter of 1980, but 11 percent greater than imports in the fourth quarter of 1980.

U.S. exports

The quantity of bolts, nuts, and large screws exported during the first quarter of 1981 amounted to 38 million pounds, which was 29 percent greater than exports during the first quarter of 1980, and 13 percent greater than exports during the fourth quarter of 1980.

Apparent consumption

Apparent consumption of bolts, nuts, and large screws during the first quarter of 1981 totaled 314 million pounds, which was 25 percent less than apparent consumption in the first quarter of 1980, but 3 percent greater than the quantities consumed during the fourth quarter of 1980. The ratio of imports to consumption increased from 44 percent during the first quarter of 1980 to 51 percent during the third quarter of 1980 before decreasing to 49 percent during the first quarter of 1981.

Employment and man-hours

The average number of production and related workers engaged in the production of bolts, nuts, and large screws decreased, from 13,571 workers during the first quarter of 1980 to 10,652 workers during the first quarter of 1981. The man-hours expended by these workers decreased from 7,718,000 man-hours during the first quarter of 1980 to 6,184,000 man-hours during the first quarter of 1981.

Prices

The lowest net selling prices received for six representative fastener products by U.S. producers in the first quarter of 1981 averaged about 18 percent more than prices received during the first quarter of 1980 and about 8 percent more than prices received during the fourth quarter of 1980.

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Table 1.--Bolts, nuts, and large screws of iron or steel: U.S. production by types, by months, July 1978-March 1981

Period	Bolts and large screws	Nuts	Total
Quantity (1,000 pounds)			
1978:			
July-----	52,048	12,198	64,246
August-----	75,474	21,264	96,738
September-----	78,718	17,898	96,616
Total-----	206,240	51,360	257,600
October-----	85,488	21,315	106,803
November-----	78,473	21,349	99,822
December-----	79,112	19,181	98,293
Total-----	243,073	61,845	304,918
1979:			
January-----	86,160	23,338	109,498
February-----	82,889	23,045	105,934
March-----	92,660	26,487	119,147
Total-----	261,709	72,870	334,579
April-----	88,018	23,769	111,787
May-----	91,225	25,791	117,016
June-----	91,981	25,641	117,622
Total-----	271,224	75,201	346,425
July-----	70,932	18,530	89,462
August-----	87,107	26,317	113,424
September-----	79,457	22,152	101,609
Total-----	237,496	66,999	304,495
October-----	84,894	26,086	110,980
November-----	71,784	21,813	93,597
December-----	52,110	15,771	67,881
Total-----	208,788	63,670	272,458
1980:			
January-----	73,497	20,139	93,636
February-----	72,084	21,022	93,106
March-----	73,185	23,363	96,548
Total-----	218,766	64,524	283,290
April-----	71,249	18,858	90,107
May-----	59,508	14,747	74,255
June-----	53,879	13,837	67,716
Total-----	184,636	47,442	232,078
July-----	41,664	9,144	50,808
August-----	47,897	12,232	60,129
September-----	62,472	15,942	78,414
Total-----	152,033	37,318	189,351
October-----	63,875	14,654	78,529
November-----	54,246	13,976	68,222
December-----	52,197	14,098	66,295
Total-----	170,318	42,728	213,046
1981:			
January-----	58,030	16,108	74,138
February-----	58,689	14,632	73,321
March-----	62,586	16,418	79,004
Total-----	179,305	47,158	226,463

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

Table 2.--Bolts, nuts, and large screws of iron or steel: U.S. producers' shipments, imports for consumption, exports of domestic merchandise, and apparent consumption, 1976-78, and specified periods, July 1978-March 1981

(Quantity in thousands of pounds; value in thousands of dollars)						
Period	Producers' shipments	Imports	Exports <u>1/</u>	Apparent consumption	Ratio (percent) of imports to--	
					Shipments	Apparent consumption
Quantity						
1976-----	1,133,952	704,474	197,269	1,641,157	62	43
1977-----	1,175,563	716,916	218,265	1,674,214	61	43
1978-----	1,151,326	849,313	217,051	1,783,588	74	48
1978:						
July-----	67,335	77,074	15,255	129,154	115	60
August-----	93,943	72,349	21,301	144,991	77	50
September-----	94,237	65,380	14,528	145,089	69	45
Total-----	255,515	214,803	51,084	419,234	84	51
October-----	100,634	66,751	20,439	146,946	66	45
November-----	92,699	67,107	17,723	142,083	72	47
December-----	83,616	53,181	15,413	121,384	64	44
Total-----	276,949	187,039	53,575	410,413	68	46
1979:						
January-----	107,364	65,181	16,192	156,353	61	42
February-----	99,152	68,174	17,566	149,760	69	46
March-----	115,276	70,611	19,122	166,765	61	42
Total-----	321,792	203,966	52,880	472,878	63	43
April-----	103,489	68,070	24,769	146,790	66	46
May-----	107,568	68,862	19,074	157,356	64	44
June-----	105,460	77,122	17,651	164,931	73	47
Total-----	316,517	214,054	61,494	469,077	68	46
July-----	84,630	69,596	12,938	141,288	82	49
August-----	97,699	68,857	15,781	150,775	70	46
September-----	91,688	60,225	14,828	137,085	66	44
Total-----	274,017	198,678	43,547	429,148	73	46
October-----	99,680	55,543	15,844	139,379	56	40
November-----	83,240	59,165	15,426	126,979	71	47
December-----	66,181	61,577	9,982	117,776	93	52
Total-----	249,101	176,285	41,252	384,134	71	46
1980:						
January-----	90,113	61,594	9,500	142,207	68	43
February-----	84,916	62,925	9,123	138,718	74	45
March-----	88,374	60,206	10,705	137,875	68	44
Total-----	263,403	184,725	29,328	418,800	70	44
April-----	83,215	66,278	10,660	138,833	80	48
May-----	72,405	64,396	9,761	127,040	89	51
June-----	66,054	62,500	7,835	120,719	95	52
Total-----	221,674	193,174	28,256	386,592	87	50
July-----	52,387	60,282	6,644	106,025	115	57
August-----	62,037	46,633	10,460	98,210	75	47
September-----	71,617	55,675	11,794	115,498	78	48
Total-----	186,041	162,590	28,898	319,733	87	51

See footnotes at end of table.

Table 2.--Bolts, nuts, and large screws of iron or steel: U.S. producers' shipments, imports for consumption, exports of domestic merchandise, and apparent consumption, 1976-78, and specified periods, July 1978-March 1981--Continued

(Quantity in thousands of pounds; value in thousands of dollars)							
Period	Producers'			Apparent	Ratio (percent) of		
	ship-	Imports	Exports	consump-	imports to--		
	ments		1/	tion	Shipments:	consump-	
						tion	
Quantity--Continued							
1980--Continued							
October-----	72,795	43,127	10,550	105,372	59	41	
November-----	64,962	46,226	12,330	98,858	71	47	
December-----	62,764	48,703	10,563	100,904	78	48	
Total-----	200,521	138,056	33,443	305,134	69	45	
1981:							
January-----	63,817	54,563	9,633	108,747	85	50	
February-----	63,091	48,709	12,824	98,976	77	49	
March-----	72,107	50,144	15,487	106,764	70	47	
Total	199,015	153,416	37,944	314,487	77	49	
Value							
1976-----	986,432	227,390	107,055	1,106,767	23	21	
1977-----	1,074,609	256,220	114,252	1,216,577	24	21	
1978-----	1,095,332	368,865	133,112	1,331,085	34	28	
1978:							
July-----	59,224	31,841	8,258	82,807	54	39	
August-----	85,074	31,029	10,348	105,755	37	29	
September-----	84,806	30,697	9,575	105,928	36	29	
Total-----	229,104	93,567	28,181	294,490	41	32	
October-----	92,098	32,110	12,623	111,585	35	29	
November-----	84,565	31,840	10,875	105,530	38	30	
December-----	78,146	49,324	10,635	116,835	63	42	
Total-----	254,809	113,274	34,133	333,950	44	40	
1979:							
January-----	100,701	31,158	10,382	121,477	31	26	
February-----	94,958	32,554	11,041	116,471	34	28	
March-----	111,421	33,861	11,926	133,356	30	25	
Total-----	307,080	97,573	33,349	371,304	32	26	
April-----	103,817	32,298	10,899	125,216	31	26	
May-----	109,210	32,306	12,814	128,702	30	25	
June-----	113,228	36,042	12,455	136,815	32	26	
Total-----	326,255	100,646	36,168	390,733	31	26	
July-----	93,715	31,440	882	124,273	34	25	
August-----	109,835	31,948	10,209	131,574	29	24	
September-----	107,083	28,712	10,412	125,383	27	23	
Total-----	310,633	92,100	21,503	381,230	30	24	
October-----	111,677	26,876	11,876	126,677	24	21	
November-----	93,767	28,474	10,717	111,524	30	26	
December-----	79,577	29,287	9,094	99,770	37	29	
Total-----	285,021	84,637	31,687	337,971	30	25	
1980:							
January-----	108,588	29,841	11,400	127,029	27	23	
February-----	101,606	29,038	11,896	118,748	29	24	
March-----	111,275	28,016	12,479	126,812	25	22	
Total-----	321,469	86,895	35,775	372,589	27	23	
April-----	101,310	30,103	10,949	120,464	30	25	
May-----	91,496	30,180	10,899	110,777	33	27	
June-----	93,760	29,877	10,800	112,837	32	26	
Total-----	286,566	90,160	32,648	344,078	31	26	
July-----	70,809	29,223	9,609	90,423	41	32	
August-----	84,725	23,512	11,280	96,957	28	24	
September-----	98,984	28,677	11,599	116,062	29	25	
Total-----	254,518	81,412	32,488	303,442	32	27	

Table 2.--Bolts, nuts, and large screws of iron or steel: U.S. producers' shipments, imports for consumption, exports of domestic merchandise, and apparent consumption, 1976-78, and specified periods, July 1978-March 1981--Continued

(Quantity in thousands of pounds; value in thousands of dollars)							
Period	Producers' shipments	Imports	Exports ^{1/}	Apparent consumption	Ratio (percent) of imports to--		
					Shipments:	Apparent consumption:	
Value--Continued							
1980--Continued							
October-----	93,715	22,032	12,784	102,963	24		21
November-----	88,260	24,169	13,858	98,571	27		25
December-----	84,654	25,546	11,585	98,615	30		26
Total-----	266,629	71,747	38,227	300,149	27		24
1981:							
January-----	87,597	27,600	9,952	105,245	32		26
February-----	88,321	25,215	13,213	100,323	29		25
March-----	103,457	26,768	15,761	114,464	26		23
Total-----	279,375	79,583	38,926	320,032	28		25

^{1/} Prior to Jan. 1, 1978, exports include bolts, threaded rods and studs, nuts if nuts and bolts are in the same shipment, screws, rivets, washers, and similar articles. It is estimated by the staff of the U.S. International Trade Commission that bolts, nuts, and large screws of iron or steel accounted for approximately 80 percent of total exports.

Source: U.S. producers' shipments, compiled from data submitted in response to questionnaires of the U.S. International Trade Commission; imports and exports, compiled from official statistics of the U.S. Department of Commerce, except as noted.

Table 3.--Bolts, nuts, and large screws of iron or steel: U.S. producers' shipments, by types, 1976-78, and specified periods, July 1978-March 1981

Period	Bolts and large screws	Nuts	Total
Quantity (1,000 pounds)			
1976-----	912,072	221,880	1,133,952
1977-----	950,607	224,956	1,175,563
1978-----	920,712	230,614	1,151,326
1978:			
July-----	54,134	13,201	67,335
August-----	73,633	20,310	93,943
September-----	73,789	20,448	94,237
Total-----	201,556	53,959	255,515
October-----	76,496	24,138	100,634
November-----	73,258	19,441	92,699
December-----	70,335	13,281	83,616
Total-----	220,089	56,860	276,949
1979:			
January-----	84,191	23,173	107,364
February-----	78,709	20,443	99,152
March-----	90,703	24,573	115,276
Total-----	253,603	68,189	321,792
April-----	81,246	22,243	103,489
May-----	83,986	23,582	107,568
June-----	82,907	22,553	105,460
Total-----	248,139	68,378	316,517
July-----	69,758	14,872	84,630
August-----	78,803	18,896	97,699
September-----	74,826	16,862	91,688
Total-----	223,387	50,630	274,017
October-----	80,661	19,019	99,680
November-----	68,456	14,784	83,240
December-----	54,546	11,635	66,181
Total-----	203,663	45,438	249,101
1980:			
January-----	72,839	17,274	90,113
February-----	69,792	15,124	84,916
March-----	72,948	15,426	88,374
Total-----	215,579	47,824	263,403
April-----	69,023	14,192	83,215
May-----	60,744	11,661	72,405
June-----	54,056	11,998	66,054
Total-----	183,823	37,851	221,674
July-----	44,315	8,072	52,387
August-----	51,626	10,411	62,037
September-----	58,942	12,675	71,617
Total-----	154,883	31,158	186,041
October-----	58,982	13,813	72,795
November-----	52,005	12,957	64,962
December-----	49,449	13,315	62,764
Total-----	160,436	40,085	200,521
1981:			
January-----	50,940	12,877	63,817
February-----	50,872	12,219	63,091
March-----	57,620	14,487	72,107
Total-----	159,432	39,583	199,015

Table 3.--Bolts, nuts, and large screws of iron or steel: U.S. producers' shipments, by types, 1976-78, and specified periods, July 1978-March 1981--Continued

Period	Bolts and large screws	Nuts	Total
Value (1,000 dollars)			
1976-----	702,426	284,006	986,432
1977-----	779,917	294,692	1,074,609
1978-----	763,368	331,964	1,095,332
1978:			
July-----	42,099	17,125	59,224
August-----	58,327	26,747	85,074
September-----	57,831	26,975	84,806
Total-----	158,257	70,847	229,104
October-----	59,954	32,144	92,098
November-----	58,323	26,242	84,565
December-----	53,644	24,502	78,146
Total-----	171,921	82,888	254,809
1979:			
January-----	69,450	31,251	100,701
February-----	65,944	29,014	94,958
March-----	77,715	33,706	111,421
Total-----	213,109	93,971	307,080
April-----	72,713	31,104	103,817
May-----	75,811	33,399	109,210
June-----	80,401	32,827	113,228
Total-----	228,925	97,330	326,255
July-----	68,049	25,666	93,715
August-----	78,333	31,502	109,835
September-----	76,869	30,214	107,083
Total-----	223,251	87,382	310,633
October-----	78,119	33,558	111,677
November-----	65,673	28,094	93,767
December-----	56,183	23,394	79,577
Total-----	199,975	85,046	285,021
1980:			
January-----	77,214	31,374	108,588
February-----	72,302	29,304	101,606
March-----	80,273	31,002	111,275
Total-----	229,789	91,680	321,469
April-----	74,550	26,760	101,310
May-----	68,342	23,154	91,496
June-----	68,634	25,126	93,760
Total-----	211,526	75,040	286,566
July-----	53,371	17,438	70,809
August-----	63,029	21,696	84,725
September-----	72,291	26,693	98,984
Total-----	188,691	65,827	254,518
October-----	68,918	24,797	93,715
November-----	63,572	24,688	88,260
December-----	61,683	22,971	84,654
Total-----	194,173	72,456	266,629
1981:			
January-----	60,876	26,721	87,597
February-----	61,635	26,686	88,321
March-----	71,543	31,914	103,457
Total-----	194,054	85,321	279,375

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

Table 4.—Bolts, nuts, and large screws of iron or steel: U.S. imports for consumption, by types, 1976-78, and specified periods, July 1978-March 1981

Period	Bolts and large screws	Nuts	Total
Quantity (1,000 pounds)			
1976-----	474,084	230,390	704,474
1977-----	491,140	225,776	716,916
1978-----	571,324	277,989	849,313
1978:			
July-----	51,026	26,048	77,074
August-----	45,303	27,046	72,349
September-----	37,430	27,950	65,380
Total-----	133,759	81,044	214,803
October-----	38,995	27,756	66,751
November-----	41,211	25,896	67,107
December-----	23,825	29,356	53,181
Total-----	104,031	83,008	187,039
1979:			
January-----	37,790	27,391	65,181
February-----	41,955	26,219	68,174
March-----	49,988	25,623	70,611
Total-----	124,733	79,233	203,966
April-----	46,169	21,901	68,070
May-----	45,499	23,363	68,862
June-----	51,528	25,594	77,122
Total-----	143,196	70,858	214,054
July-----	47,722	21,874	69,596
August-----	44,522	24,335	68,857
September-----	39,263	20,962	60,225
Total-----	131,507	67,171	198,678
October-----	37,727	17,816	55,543
November-----	39,973	19,192	59,165
December-----	40,758	20,819	61,577
Total-----	118,458	57,827	176,285
1980:			
January-----	41,519	20,075	61,594
February-----	44,519	18,406	62,925
March-----	42,431	17,775	60,206
Total-----	128,469	56,256	184,725
April-----	45,255	21,023	66,278
May-----	44,896	19,500	64,396
June-----	41,170	21,330	62,500
Total-----	131,321	61,264	193,174
July-----	41,018	19,264	60,282
August-----	30,189	16,444	46,633
September-----	37,758	17,917	55,675
Total-----	108,965	53,625	162,590
October-----	28,881	14,246	43,127
November-----	29,156	17,070	46,226
December-----	30,630	18,073	48,703
Total-----	88,667	49,389	138,056
1981:			
January-----	34,410	20,153	54,563
February-----	30,122	18,587	48,709
March-----	31,733	18,411	50,144
Total-----	96,265	57,151	153,416

Table 4.--Bolts, nuts, and large screws of iron or steel: U.S. imports for consumption, by types, 1976-78, and specified periods, July 1978-March 1981--Continued

Period	Bolts and large screws	Nuts	Total
Value (1,000 dollars)			
1976-----	129,297	98,093	227,390
1977-----	156,006	100,214	256,220
1978-----	210,917	157,948	368,865
1978:			
July-----	18,611	13,230	31,841
August-----	17,151	13,878	31,029
September-----	16,648	14,049	30,697
Total-----	52,410	41,157	93,567
October-----	16,573	15,537	32,110
November-----	17,374	14,466	31,840
December-----	32,629	16,695	49,324
Total-----	66,576	46,698	113,274
1979:			
January-----	15,579	15,579	31,158
February-----	18,294	14,260	32,554
March-----	18,714	15,147	33,861
Total-----	52,587	44,986	47,573
April-----	19,253	13,045	32,298
May-----	19,024	13,282	32,306
June-----	21,378	14,664	36,042
Total-----	59,655	40,991	100,646
July-----	18,916	12,524	31,440
August-----	18,343	13,605	31,948
September-----	16,683	12,029	28,712
Total-----	53,942	38,158	92,100
October-----	16,434	10,442	26,876
November-----	17,243	11,231	28,474
December-----	17,529	11,758	29,287
Total-----	51,206	33,431	84,637
1980:			
January-----	18,110	11,731	29,841
February-----	18,326	10,712	29,038
March-----	18,037	9,979	28,016
Total-----	54,473	32,422	86,895
April-----	18,891	11,212	30,103
May-----	19,217	10,963	30,180
June-----	18,089	11,788	29,877
Total-----	56,197	33,963	90,160
July-----	17,634	11,589	29,223
August-----	13,789	9,723	23,512
September-----	17,496	11,181	28,677
Total-----	48,919	32,493	81,412
October-----	13,500	8,532	22,032
November-----	14,048	10,121	24,169
December-----	14,911	10,635	25,546
Total-----	42,459	29,288	71,747
1981:			
January-----	15,950	11,660	27,600
February-----	14,458	10,757	25,215
March-----	15,704	11,064	26,768
Total-----	46,102	33,481	79,583

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

Table 5.--Average number of persons employed in U.S. establishments in which bolts, nuts, and large screws were produced, total and production and related workers engaged in the production of all products and of bolts, nuts, and large screws, 1976-78, and specified periods, July 1978-March 1981

Period	Production and related workers engaged in the production of--				
	All persons:	All products	Bolts and large screws	Nuts	Total, bolts, nuts, and large screws
1976-----	34,339	27,080	10,032	3,435	13,467
1977-----	35,172	27,642	10,040	3,410	13,450
1978-----	35,920	27,738	9,982	3,334	13,316
1978:					
July-----	35,072	26,536	9,391	3,142	12,533
August-----	35,167	26,616	9,678	3,262	12,940
September-----	35,274	26,755	9,323	3,310	12,633
Average-----	35,171	26,636	9,464	3,238	12,702
October-----	35,822	27,614	9,773	3,312	13,085
November-----	35,878	27,246	9,863	3,380	13,243
December-----	36,131	27,491	9,895	3,412	13,307
Average-----	35,944	27,450	9,844	3,368	13,212
1979:					
January-----	36,438	27,667	10,063	3,489	13,552
February-----	37,069	28,203	10,266	3,514	13,780
March-----	37,125	23,376	10,359	3,585	13,944
Average-----	36,877	26,415	10,229	3,529	13,759
April-----	36,746	28,067	10,626	3,643	14,269
May-----	36,678	27,948	10,633	3,648	14,281
June-----	36,977	28,163	10,716	3,706	14,422
Average-----	36,800	28,059	10,658	3,666	14,324
July-----	36,396	28,022	10,686	3,423	14,109
August-----	35,811	27,476	10,387	3,599	13,986
September-----	35,259	27,123	10,213	3,550	13,763
Average-----	35,822	27,540	10,429	3,524	13,953
October-----	34,934	25,804	10,086	3,783	13,869
November-----	34,507	25,635	10,085	3,767	13,852
December-----	33,755	24,998	9,963	3,411	13,374
Average-----	34,399	25,479	10,044	3,654	13,698
1980:					
January-----	33,816	24,688	9,984	3,675	13,659
February-----	33,682	24,678	9,944	3,707	13,651
March-----	33,094	24,163	9,815	3,588	13,403
Average-----	33,531	24,510	9,914	3,657	13,571
April-----	36,210	30,166	10,254	3,303	13,557
May-----	34,701	25,622	9,594	3,246	12,840
June-----	33,242	24,254	9,012	2,996	12,008
Average-----	34,718	26,681	9,620	3,182	12,802
July-----	34,294	25,474	8,573	2,747	11,320
August-----	35,878	27,130	8,762	2,816	11,578
September-----	37,296	28,728	8,984	2,949	11,933
Average-----	35,823	27,111	8,773	2,837	11,610
October-----	36,837	28,306	8,487	2,794	11,281
November-----	36,243	27,834	8,508	2,892	11,400
December-----	36,380	28,291	8,471	2,838	11,309
Average-----	36,487	28,144	8,489	2,841	11,330
1981:					
January-----	34,854	27,220	7,961	2,859	10,820
February-----	33,285	25,186	7,662	2,832	10,494
March-----	33,681	25,898	7,646	2,996	10,642
Average-----	33,940	26,101	7,756	2,896	10,652

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

Table 6.—Man-hours expended by production and related workers in U.S. establishments in which bolts, nuts, and large screws were produced, 1976-78, and specified periods, July 1978-March 1981

(In thousands of man-hours)				
Period	All products	Bolts and large screws	Nuts	Total, bolts, nuts, and large screws
1976-----	55,073	20,643	6,771	27,414
1977-----	56,213	20,715	6,795	27,510
1978-----	56,449	21,905	7,126	29,031
1978:				
July-----	3,984	1,582	485	2,067
August-----	4,646	1,821	605	2,426
September-----	4,667	1,914	637	2,551
Total-----	13,297	5,317	1,727	7,044
October-----	4,928	1,989	617	2,606
November-----	4,848	1,954	635	2,589
December-----	4,902	1,925	630	2,555
Total-----	14,678	5,868	1,882	7,750
1979:				
January-----	5,061	2,018	691	2,709
February-----	4,848	1,978	672	2,650
March-----	4,605	2,222	757	2,979
Total-----	14,514	6,218	2,120	8,338
April-----	5,067	1,974	647	2,621
May-----	5,135	1,971	666	2,637
June-----	5,411	2,088	791	2,879
Total-----	15,613	6,033	2,104	8,137
July-----	5,014	1,888	564	2,452
August-----	5,074	1,926	700	2,626
September-----	4,806	1,890	718	2,608
Total-----	14,894	5,704	1,982	7,686
October-----	4,974	2,110	767	2,877
November-----	4,550	1,910	747	2,657
December-----	4,171	1,807	682	2,489
Total-----	13,695	5,827	2,196	8,023
1980:				
January-----	4,576	1,807	691	2,498
February-----	4,338	1,791	703	2,494
March-----	4,653	1,962	764	2,726
Total-----	13,567	5,560	2,158	7,718
April-----	4,436	1,852	597	2,449
May-----	4,249	1,727	532	2,259
June-----	4,077	1,621	583	2,204
Total-----	12,762	5,200	1,712	6,912
July-----	3,960	1,418	421	1,839
August-----	4,431	1,448	466	1,914
September-----	4,841	1,695	558	2,273
Total-----	13,232	4,561	1,445	6,026
October-----	5,297	1,867	521	2,388
November-----	5,185	1,708	508	2,216
December-----	4,998	1,737	526	2,263
Total-----	15,480	5,312	1,555	6,867
1981:				
January-----	4,833	1,460	521	1,981
February-----	4,466	1,428	544	1,972
March-----	5,177	1,576	655	2,231
Total-----	14,476	4,464	1,720	6,184

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

Table 7.--Bolts, nuts, and large screws: Ranges and averages of lowest net selling prices received by U.S. producers to distributors, by specified periods, January 1976-March 1981

(Per 1,000 pieces)					
Period	Domestic price				
	Cap screws, grade 2, 3/8" - 16 x 1"		Cap screws, grade 8, 3/8" - 16 x 1"		
	Range	Average	Range	Average	
1976:					
January-March-----	15.90- 30.00	21.74	21.28- 44.80		31.07
April-June-----	15.90- 27.00	21.75	21.28- 44.68		30.61
July-September-----	15.87- 27.30	22.05	21.28- 40.32		29.24
October-December-----	15.90- 27.30	21.88	21.28- 43.80		30.91
1977:					
January-March-----	15.90- 27.30	21.64	21.28- 44.63		30.51
April-June-----	15.90- 31.57	20.53	21.28- 37.45		29.78
July-September-----	15.90- 22.86	19.88	22.34- 34.20		29.74
October-December-----	15.90- 24.00	19.85	22.34- 36.76		30.35
1978:					
January-March-----	15.90- 24.00	21.92	28.45- 40.32		32.96
April-June-----	15.90- 25.02	21.38	30.15- 43.74		34.07
1978:					
July-----	17.58- 58.21	23.66	31.36- 42.50		35.96
August-----	17.58- 38.21	23.36	31.36- 42.51		35.96
September-----	17.58- 38.21	23.73	31.36- 42.51		37.68
October-----	17.58- 38.21	24.54	31.36- 42.51		37.14
November-----	17.58- 38.21	24.69	31.36- 42.82		38.09
December-----	17.58- 38.21	24.69	31.36- 42.87		37.96
1979:					
January-----	19.43- 38.76	25.68	31.36- 42.25		38.53
February-----	19.43- 38.76	25.86	31.36- 43.27		38.70
March-----	19.43- 38.76	26.12	31.36- 43.27		38.70
April-----	22.24- 41.09	27.14	27.73- 55.39		40.29
May-----	22.24- 41.09	27.06	27.73- 55.39		41.04
June-----	22.24- 41.09	27.29	27.73- 67.50		41.68
July-----	22.24- 41.09	27.65	29.60- 55.39		41.98
August-----	22.24- 41.09	27.67	29.60- 57.12		41.09
September-----	22.24- 41.09	27.72	29.60- 57.12		41.35
October-----	22.24- 41.09	28.16	30.80- 45.41		39.36
November-----	22.24- 41.09	28.19	30.80- 46.80		40.88
December-----	22.24- 41.09	28.55	30.80- 46.74		40.87
1980:					
January-----	22.24- 41.09	27.35	28.10- 45.41		37.48
February-----	22.24- 41.09	27.58	28.10- 45.41		36.71
March-----	22.24- 41.09	27.40	28.10- 45.41		37.10
April-----	20.35- 41.09	27.88	28.10- 46.90		39.96
May-----	20.35- 41.09	27.85	28.10- 46.90		39.64
June-----	20.35- 41.09	27.95	28.10- 46.90		38.98
July-----	22.35- 49.44	30.84	28.10- 53.76		40.17
August-----	22.35- 49.44	30.80	28.10- 53.76		40.17
September-----	22.35- 49.44	30.79	28.10- 53.76		40.17
October-----	20.35- 49.44	29.91	28.10- 53.76		40.56
November-----	20.35- 49.44	30.32	28.10- 56.16		44.28
December-----	20.35- 49.44	30.40	28.10- 53.76		41.90
1981:					
January-----	20.35- 44.00	31.23	32.75- 58.09		47.68
February-----	20.35- 42.00	31.84	32.75- 58.09		47.68
March-----	20.35- 42.00	31.89	32.75- 58.09		47.68

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

Table 8.--Bolts, nuts, and large screws: Ranges and averages of lowest net selling prices received by U.S. producers to distributors, by specified periods, January 1976-March 1981

(Per 1,000 pieces)						
Period	Domestic price					
	Hexagon nuts, 1/4" - 20			Hexagon nuts, 1/2" - 13		
	Range		Average	Range		Average
1976:						
January-March-----	2.69- 8.81		5.66	17.60- 33.42		24.22
April-June-----	2.69- 8.80		5.66	17.60- 33.02		24.23
July-September-----	2.63- 9.78		5.85	17.60- 36.93		25.00
October-December-----	2.63- 9.83		5.85	17.60- 28.40		23.84
1977:						
January-March-----	2.59- 8.82		5.72	17.60- 32.88		24.44
April-June-----	2.59- 8.70		5.64	17.60- 32.98		24.23
July-September-----	3.06- 8.59		6.33	18.48- 29.68		23.52
October-December-----	3.40- 8.76		6.45	18.48- 31.67		24.42
1978:						
January-March-----	3.75- 9.00		6.50	18.48- 34.02		25.80
April-June-----	4.00- 9.90		6.58	18.48- 37.26		26.20
1978:						
July-----	4.03- 11.31		7.66	19.44- 37.80		28.22
August-----	4.03- 9.90		7.31	19.44- 37.80		28.40
September-----	4.03- 9.90		7.49	19.44- 37.80		28.90
October-----	4.03- 9.90		7.51	19.44- 37.80		29.04
November-----	4.03- 12.27		7.84	19.44- 37.26		28.15
December-----	4.03- 9.90		7.55	19.44- 37.26		28.26
1979:						
January-----	4.20- 9.90		7.62	21.97- 37.26		30.03
February-----	4.20- 10.98		7.93	21.97- 41.04		30.51
March-----	4.20- 6.98		7.91	21.97- 41.04		30.44
April-----	4.21- 10.98		8.48	24.90- 41.04		31.88
May-----	4.25- 10.98		8.44	24.90- 41.04		32.38
June-----	4.27- 10.98		8.26	24.90- 41.04		32.89
July-----	7.52- 10.98		9.05	24.90- 41.04		31.87
August-----	7.52- 10.98		9.28	24.90- 41.04		31.95
September-----	7.52- 10.98		9.24	24.90- 41.04		31.90
October-----	4.30- 10.98		8.69	24.90- 41.04		32.47
November-----	4.30- 10.98		8.43	26.40- 41.04		32.65
December-----	4.31- 10.98		8.80	26.40- 41.04		33.13
1980:						
January-----	4.30- 10.98		8.76	26.40- 41.04		33.30
February-----	4.30- 10.98		8.43	26.40- 41.00		32.01
March-----	4.30- 10.98		8.76	26.40- 41.00		33.00
April-----	3.90- 13.70		8.65	19.60- 41.00		32.15
May-----	3.90- 13.70		8.91	19.60- 41.00		32.22
June-----	3.90- 13.70		8.88	19.60- 41.00		32.19
July-----	4.33- 13.70		9.54	26.40- 41.04		33.59
August-----	4.33- 13.70		9.50	26.40- 41.04		32.89
September-----	4.33- 13.70		9.81	26.40- 41.04		33.73
October-----	3.90- 13.70		9.88	19.60- 45.52		33.82
November-----	3.90- 14.70		9.78	19.60- 45.19		33.98
December-----	3.90- 14.70		9.27	19.60- 43.73		33.59
1981:						
January-----	3.90- 14.70		10.86	19.60- 46.80		35.51
February-----	3.90- 14.70		10.78	19.60- 44.20		35.51
March-----	3.90- 14.70		10.82	19.60- 42.52		35.51

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

Table 9.--Bolts, nuts, and large screws: Ranges and averages of lowest net selling prices received by U.S. producers on sales to distributors, by specified periods, January 1976-March 1981

(Per 1,000 pieces)					
Period	Domestic price				
	Structural bolts, A325 with nut, 3/4" x 2"		Carriage bolts, 3/8" x 3"		
	Range	Average	Range	Average	
1976:					
January-March-----	189.43- 352.90	289.66	33.40- 74.40	49.46	
April-June-----	194.95- 357.00	308.26	33.40- 66.96	48.78	
July-September-----	199.30- 357.00	293.23	33.40- 66.96	50.55	
October-December-----	162.55- 339.20	272.34	33.40- 66.96	50.70	
1977:					
January-March-----	215.00- 339.20	281.75	33.40- 55.80	47.78	
April-June-----	215.00- 339.20	282.92	33.40- 65.10	45.99	
July-September-----	215.00- 321.31	283.11	33.40- 55.80	43.57	
October-December-----	215.00- 321.30	278.76	33.40- 59.52	44.53	
1978:					
January-March-----	216.41- 343.80	299.46	33.40- 59.52	44.68	
April-June-----	246.89- 343.80	314.20	37.40- 59.52	45.90	
1978:					
July-----	249.35- 343.80	314.61	37.40- 44.70	58.94	
August-----	149.35- 343.80	316.42	42.72-144.70	58.98	
September-----	249.35- 343.80	313.63	37.40-144.70	59.24	
October-----	249.35- 343.80	317.18	37.40-149.14	59.86	
November-----	249.35- 343.80	324.17	37.40-149.14	62.11	
December-----	249.35- 343.80	319.99	37.40-149.14	60.80	
1979:					
January-----	249.35- 343.80	318.63	48.06-149.14	66.11	
February-----	249.35- 388.50	330.08	48.06-149.14	66.49	
March-----	249.35- 388.50	328.90	49.46-149.14	67.29	
April-----	266.72- 388.50	345.94	45.64-149.96	68.89	
May-----	266.72- 420.00	351.68	49.87-149.96	69.49	
June-----	266.72- 420.00	346.57	49.98-149.96	69.89	
July-----	101.55- 388.50	345.17	50.20-149.96	73.21	
August-----	106.65- 388.50	351.29	48.98-149.96	69.75	
September-----	106.65- 388.50	343.90	50.20-149.96	70.07	
October-----	106.65- 388.50	311.29	48.99-149.96	72.47	
November-----	106.65- 388.50	311.98	50.20-149.96	73.07	
December-----	106.65- 390.42	313.91	50.20-149.96	74.24	
1980:					
January-----	106.65- 388.50	307.54	50.20-156.65	72.22	
February-----	106.65- 388.50	310.61	50.20-156.65	75.20	
March-----	106.65- 393.66	312.67	48.63-156.65	71.40	
April-----	266.72- 388.50	351.05	50.20-156.67	72.20	
May-----	266.72- 388.50	351.05	48.65-156.65	71.40	
June-----	266.72- 388.50	348.40	50.20-156.65	72.19	
July-----	302.10- 388.50	350.21	50.20-156.65	81.69	
August-----	302.10- 388.50	346.77	50.20-156.65	78.27	
September-----	302.10- 388.50	348.13	50.20-156.65	77.92	
October-----	300.46- 388.50	348.96	50.20-156.65	74.89	
November-----	302.10- 388.50	350.75	50.20-156.65	72.31	
December-----	302.10- 388.50	351.20	48.56-156.65	73.34	
1981:					
January-----	318.18- 396.10	365.71	48.06-167.05	82.83	
February-----	318.18- 396.10	368.02	48.06-167.05	82.97	
March-----	318.18- 396.10	370.06	48.06-167.05	80.20	

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

