



MINERAL INDUSTRY SURVEYS

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON, D.C. 20241



Thomas S. Kleppe, Secretary

Thomas V. Falkie, Director

For information call D. H. Desy
Telephone 202-634-1029

Iron and Steel Scrap, Monthly

IRON AND STEEL SCRAP IN MARCH 1976

Returns from 78% of reporting consumers representing 91% of total scrap consumption, indicated that consumption of iron and steel scrap in March on a daily average basis was 9% above that in February, according to the Bureau of Mines, U.S. Department of the Interior. Compared with February data, daily average production and net receipts were up 8% and 14%, respectively, and stocks at the end of the month were up 3%.

Exports of ferrous scrap during the month were 11% below those for February 1976 and 26% below those for March 1975. Spain was the largest importer of U.S. scrap, taking 27% of the total exported in March 1976. The next largest importers were Japan and Canada, which received 23% and 17%, respectively.

The Iron Age composite price for No. 1 heavy melting steel scrap (Chicago, Pittsburgh, and Philadelphia) at the end of March was \$94.83 per long ton, up 12% from the price of \$84.50 at the end of March 1975.

Pig iron production and consumption on a daily average basis during the month were up 4% and 5%, respectively, from those of the previous month. Stocks of pig iron decreased 2% during March compared with those at the end of February 1976.

TABLE 1. - U.S. RECEIPTS, PRODUCTION, CONSUMPTION, SHIPMENTS, AND STOCKS OF IRON AND STEEL SCRAP AND PIG IRON, BY TYPE OF MANUFACTURER (SHORT TONS)

	MARCH 1976 (PRELIMINARY) 1/				FINAL	
	MFRS. OF		IRON FOUNDRIES		TOTAL FOR	
	PIG IRON AND		STEEL		MONTH OF	
	STEEL INGOTS		CASTINGS 3/		MAR 1976	
	6 CASTINGS 2/		LANEOUS USERS		FEB 1976 4/	
					MAR 1976 5/	
SCRAP:						
RECEIPTS FROM DEALERS AND OTHER SOURCES	2,488,387	184,092	905,729	3,578,208	2,883,637	9,019,918
RECEIPTS FROM OTHER OWN COMPANY PLANTS-	497,164	9,591	371,746	878,501	709,298	2,194,860
PRODUCTION RECIRCULATING SCRAP-----	3,583,508	95,168	525,857	4,204,533	3,626,702	11,390,732
PRODUCTION OBSOLETE SCRAP-----	183,052	890	2,510	186,452	191,703	572,463
CONSUMPTION-----	6,015,753	278,130	1,731,440	8,025,323	6,904,202	21,767,854
SHIPMENTS-----	510,177	7,888	29,980	548,045	388,113	1,263,146
STOCKS END OF MONTH-----	7,674,645	238,995	926,449	8,840,089	8,580,942	--
PIG IRON:						
RECEIPTS-----	431,797	5,136	272,310	709,243	693,943	2,058,392
PRODUCTION-----	7,542,949	--	--	7,542,949	6,754,707	20,941,844
CONSUMPTION-----	7,360,176	4,643	261,211	7,626,030	6,811,611	21,102,512
SHIPMENTS-----	668,902	86	866	669,854	630,200	1,920,377
STOCKS END OF MONTH-----	1,260,128	7,586	155,621	1,423,335	1,451,715	--
DIRECT-REDUCED OR PREREDUCED IRON:						
RECEIPTS-----	--	--	--	19,611	W	65,169
PRODUCTION-----	--	--	--	--	--	--
CONSUMPTION-----	--	--	--	19,596	W	65,157
SHIPMENTS-----	--	--	--	--	--	--
STOCKS END OF MONTH-----	--	--	--	283	W	--

1/ BASED ON RETURNS FROM 78% OF REPORTING CONSUMERS, REPRESENTING 91% OF SCRAP CONSUMPTION.

2/ INCLUDES ONLY THOSE MANUFACTURERS OF STEEL CASTINGS THAT ALSO PRODUCE INGOTS.

3/ EXCLUDES COMPANIES THAT PRODUCE BOTH STEEL INGOTS AND CASTINGS.

4/ BASED ON RETURNS FROM 86% OF REPORTING CONSUMERS, REPRESENTING 98% OF SCRAP CONSUMPTION.

5/ CUMULATIVE TOTALS MAY NOT AGREE WITH SUM OF MONTHLY REPORTS BECAUSE OF ADDITION OF REPORTS FROM LATE RESPONDENTS.

W WITHHELD TO AVOID DISCLOSING INDIVIDUAL COMPANY CONFIDENTIAL DATA.

TABLE 2. - MANUFACTURERS OF PIG IRON AND STEEL INGOTS AND CASTINGS 1/ - RECEIPTS, PRODUCTION, CONSUMPTION, SHIPMENTS AND STOCKS OF PIG IRON AND IRON AND STEEL SCRAP, BY GRADE, MARCH 1976 (PRELIMINARY) 2/ (SHORT TONS)

ITEM	RECEIPTS OF SCRAP			PRODUCTION OF HOME SCRAP			CONSUMPTION OF BOTH PURCHASED AND HOME SCRAP			ENDING STOCKS
	FROM BROKERS, DEALERS AND OTHER SOURCES	FROM OTHER OWN COMPANY PLANTS	RECYCLATING SCRAP (INCLUDES INGOT CHASED AND MOLDLS, STOOLS, HOME SCRAP AND SCRAP FROM (INCLUDES RE-CIRCULATING OLD EQUIPMENT, CIRCULATING BUILDINGS, ETC.)	RESULTING FROM CURRENT OPERATIONS	SCRAP	OF BOTH PURCHASED AND HOME SCRAP	SHIPMENTS OF SCRAP			
SCRAP:										
CARBON STEEL--										
LOW-PHOSPHORUS PLATE AND PUNCHINGS---	74,630	477		13,565	--		78,835	1,554	101,992	
CUT STRUCTURAL AND PLATE-----	18,687	--		16,769	553		28,207	4,299	29,742	
NO.1 HEAVY MELTING STEEL-----	513,424	283,821		1,548,281	6,607		2,135,802	243,873	2,345,478	
NO.2 HEAVY MELTING STEEL-----	212,125	2,282		94,823	339		292,528	6,185	421,287	
NO.1 AND ELECTRIC FURNACE BUNDLES---	680,226	39,221		225,673	1,280		748,146	4,643	1,315,303	
NO.2 AND ALL OTHER BUNDLES-----	230,092	814		34,036	--		225,176	15,873	366,570	
ELECTRIC FURNACE 1 FOOT AND UNDER (NOT BUNDLES)-----	8,588	--		6,330	--		15,459	--	14,808	
RAILROAD RAILS-----	10,212	--		--	532		4,751	1,120	6,539	
TURNINGS AND BORINGS-----	94,668	4,065		29,330	95		116,741	4,251	86,902	
SLAG SCRAP (FE CONTENT 70 PERCENT)---	124,837	543		258,831	5,491		388,481	15,947	241,811	
SHREDDED OR FRAGMENTIZED-----	157,246	42,690		--	--		173,168	1,245	199,933	
ALL OTHER CARBON STEEL SCRAP-----	223,256	10,717		959,716	4,677		1,076,695	81,470	850,471	
STAINLESS STEEL SCRAP---										
ALLOY STEEL (EXCEPT STAINLESS)-----	40,353	2,112		55,334	2		97,029	3,135	106,671	
INGOT MOLD AND STOOL SCRAP-----	18,801	14,380		145,592	243		165,533	10,239	326,438	
MACHINERY AND CUPOLA CAST IRON -----	9,373	70,757		88,727	158,077		274,968	58,066	929,146	
CAST IRON BORINGS-----	177	--		--	--		177	--	254	
MOTOR BLOCKS-----	22,054	6,315		42,297	741		83,298	3,505	86,652	
OTHER IRON SCRAP-----	1,846	--		--	--		2,411	20	608	
OTHER MIXED SCRAP-----	34,315	14,849		57,003	4,400		84,048	51,381	115,294	
	13,477	4,121		7,201	15		24,300	3,371	128,746	
TOTAL SCRAP-----	2,488,387	497,164		3,583,508	183,052		6,015,753	510,177	7,674,645	
TOTAL SCRAP THROUGH MARCH 1976----	6,109,470	1,255,817		9,763,640	560,606		16,349,613	1,174,533	7,674,645	
RECEIPTS										
PRODUCTION										
CONSUMPTION										
SHIPMENTS										
STOCKS										
PIG IRON-----										
	431,797			7,542,949			7,360,176	668,902	1,260,128	
PIG IRON THROUGH MARCH 1976-----										
	1,335,549			20,941,844			20,389,278	1,918,332	1,260,128	

1/ INCLUDES ONLY THOSE MANUFACTURERS OF STEEL CASTINGS THAT ALSO PRODUCE INGOTS.

2/ BASED ON RETURNS FROM 87% OF REPORTING CONSUMERS, REPRESENTING 92% OF SCRAP CONSUMPTION.

TABLE 3. - MANUFACTURERS OF STEEL CASTINGS 1/ - RECEIPTS, PRODUCTION, CONSUMPTION, SHIPMENTS AND STOCKS OF PIG IRON AND IRON AND STEEL SCRAP, BY GRADE, MARCH 1976 (PRELIMINARY) 2/ (SHORT TONS)

ITEM	RECEIPTS OF SCRAP			PRODUCTION OF HOME SCRAP			CONSUMPTION OF BOTH PURCHASED AND RECYCLED SCRAP			ENDING STOCKS
	FROM BROKERS, DEALERS AND OTHER OUTSIDE SOURCES	FROM OTHER OWN COMPANY PLANTS	FROM RECYCLING SCRAP (INCLUDES INGOT AND SCRAP FROM CURRENT OPERATIONS BUILDINGS, ETC.)	RESULTING FROM	OBsolete SCRAP (INCLUDES INGOT AND SCRAP FROM OLD EQUIPMENT, CIRCULATING SCRAP)	HOME SCRAP	CHASED AND	SHIPMENTS OF SCRAP		
SCRAP:										
CARBON STEEL-										
LOW-PHOSPHORUS PLATE AND PUNCHINGS----	61,049	2,469	19,340	--	--	--	78,574	--	72,430	
CUT STRUCTURAL AND PLATE-----	22,951	2,013	2,271	--	--	--	23,753	367	19,004	
NO.1 HEAVY MELTING STEEL-----	11,684	547	7,758	--	--	--	20,174	152	37,367	
NO.2 HEAVY MELTING STEEL-----	3,461	--	1,578	--	--	--	6,644	--	1,338	
NO.1 AND ELECTRIC FURNACE BUNDLES----	4,715	180	--	--	--	--	5,177	504	4,313	
NO.2 AND ALL OTHER BUNDLES-----	268	--	--	--	--	--	551	--	370	
ELECTRIC FURNACE 1 FOOT AND UNDER (NOT BUNDLES)-----	5,058	31	1,102	--	--	--	6,055	36	4,090	
RAILROAD RAILS-----	13	--	--	--	--	--	176	--	98	
TURNINGS AND BORINGS-----	3,680	255	3,540	--	--	--	7,155	1,009	6,219	
SLAG SCRAP (FE CONTENT 70 PERCENT)----	521	--	840	--	--	--	1,338	24	28	
SHREDDER OR FRAGMENTIZED-----	10,171	--	12	--	--	--	9,386	--	8,092	
ALL OTHER CARBON STEEL SCRAP-----	39,652	2,240	33,509	835	--	--	77,185	145	34,554	
STAINLESS STEEL SCRAP-----										
ALLOY STEEL (EXCEPT STAINLESS)-----	2,561	655	2,612	--	--	--	5,435	300	6,122	
INGOT MOLD AND STUOL SCRAP-----	7,563	1,201	12,090	--	--	--	16,454	3,966	16,982	
MACHINERY AND CUPOLA CAST IRON -----	266	--	8	--	--	--	179	87	1,866	
CAST IRON BORINGS-----	1,020	--	1,428	--	--	--	2,231	--	1,288	
MOTOR BLOCKS-----	3,483	--	3,536	--	--	--	7,062	--	3,732	
OTHER IRON SCRAP-----	110	--	--	--	--	--	100	--	184	
OTHER MIXED SCRAP-----	5,735	--	5,117	55	--	--	9,918	1,298	20,619	
	131	--	427	--	--	--	583	--	299	
TOTAL SCRAP-----										
	184,092	9,591	95,168	890	--	--	278,130	7,888	238,995	
TOTAL SCRAP THROUGH MARCH 1976----										
	489,965	25,950	261,424	4,345	--	--	769,808	16,406	238,995	
RECEIPTS										
PRODUCTION										
CONSUMPTION										
SHIPMENTS										
STOCKS										
PIG IRON-----										
	5,136	--	--	--	--	--	4,643	86	7,586	
PIG IRON THROUGH MARCH 1976-----										
	12,812	--	--	--	--	--	12,636	86	7,586	

1/ EXCLUDES COMPANIES THAT PRODUCE BOTH STEEL INGOTS AND CASTINGS.
2/ BASED ON RETURNS FROM 81% OF REPORTING CONSUMERS, REPRESENTING 93% OF SCRAP CONSUMPTION.

TABLE 4. - IRON FOUNDRIES AND MISCELLANEOUS USERS - RECEIPTS, PRODUCTION, CONSUMPTION, SHIPMENTS, AND STOCKS OF PIG IRON AND IRON AND STEEL SCRAP, BY GRADE, MARCH 1976 (PRELIMINARY) 1/ (SHORT TONS)

ITEM	RECEIPTS OF SCRAP		PRODUCTION OF HOME SCRAP		CONSUMPTION		ENDING STOCKS
	FROM BROKERS, DEALERS, AND OTHER OUTSIDE SOURCES	FROM OTHER OWN COMPANY PLANTS	RECYCLATING SCRAP (INCLUDES INGOT MOLDS, STOOLS, AND SCRAP FROM OLD EQUIPMENT, BUILDINGS, ETC.)	OBSOLETE SCRAP (INCLUDES INGOT MOLDS, STOOLS, AND SCRAP FROM OLD EQUIPMENT, BUILDINGS, ETC.)	CHASED AND HOME SCRAP (INCLUDES RE-SHIPMENTS OF SCRAP)	STOCKS	
SCRAP:							
CARBON STEEL--							
LOW-PHOSPHORUS PLATE AND PUNCHINGS----							
CUT STRUCTURAL AND PLATE-----	76,604	9,390	9,442	32	95,231	335	75,324
NO.1 HEAVY MELTING STEEL-----	121,156	11,798	13,650	--	137,141	180	85,373
NO.2 HEAVY MELTING STEEL-----	28,584	14,015	6,123	--	41,041	8,424	25,959
NO.1 AND ELECTRIC FURNACE BUNDLES---	9,935	542	1,832	39	11,850	20	11,053
NO.2 AND ALL OTHER BUNDLES-----	15,182	25,747	4,711	57	42,614	--	15,818
ELECTRIC FURNACE 1 FOOT AND UNDER (NOT BUNDLES)-----	31,164	4,726	924	--	38,113	--	17,772
RAILROAD RAILS-----	32,408	9,734	1,083	--	43,736	--	8,947
TURNINGS AND BORINGS-----	9,393	--	24	--	8,277	24	12,127
SLAG SCRAP (FE CONTENT 70 PERCENT)---	68,505	11,973	1,488	50	66,924	2,937	79,270
SHREDDED OR FRAGMENTIZED-----	3,211	--	49	--	2,063	49	7,874
ALL OTHER CARBON STEEL SCRAP-----	66,218	12,191	930	--	80,314	--	28,070
	104,401	84,274	12,731	--	190,869	1,445	96,004
STAINLESS STEEL SCRAP----							
ALLOY STEEL (EXCEPT STAINLESS)-----	1,123	6	340	1	1,836	27	7,390
INGOT MOLD AND STOOL SCRAP-----	9,818	318	589	105	7,695	113	17,408
MACHINERY AND CUPOLA CAST IRON -----	13,253	--	2,196	637	14,666	870	24,157
CAST IRON BOKINGS-----	78,047	6,409	66,058	551	155,683	958	85,391
MOTOR BLOCKS-----	47,350	81,013	23,625	30	143,031	4,601	73,286
OTHER IRON SCRAP-----	55,450	3,488	30,901	100	88,778	192	50,324
OTHER MIXED SCRAP-----	96,260	10,296	325,290	523	419,406	9,418	160,117
	37,667	85,826	23,871	385	142,172	387	44,785
TOTAL SCRAP-----	905,729	371,746	525,857	2,510	1,731,440	29,980	926,449
TOTAL SCRAP THROUGH MARCH 1976----	2,420,483	913,093	1,365,668	7,512	4,648,433	72,207	926,449
PIG IRON-----							
	272,310	--	--	--	261,211	866	155,621
PIG IRON THROUGH MARCH 1976-----							
	710,031	--	--	--	700,598	1,959	155,621
1/ BASED ON RETURNS FROM 75% OF REPORTING CONSUMERS, REPRESENTING 89% OF SCRAP CONSUMPTION.							

TABLE 5. - CONSUMPTION OF IRON AND STEEL SCRAP AND PIG IRON IN THE UNITED STATES
IN MARCH 1976 (PRELIMINARY), BY TYPE OF CONSUMER AND TYPE OF FURNACE OR OTHER USE
(SHORT TONS)

TYPE OF FURNACE OR OTHER USE	MANUFACTURERS OF PIG IRON AND STEEL INGOTS AND CASTINGS 1/		MANUFACTURERS OF STEEL CASTINGS 2/		IRON FOUNDRIES AND MISCELLANEOUS USERS		TOTAL ALL TYPES	
	SCRAP		SCRAP		SCRAP		SCRAP	
	PIG IRON		PIG IRON		PIG IRON		PIG IRON	
BLAST FURNACE 3/	352,922	--	--	--	--	--	352,922	--
BASIC OXYGEN PROCESS 4/	2,227,280	5,771,070	--	--	--	--	2,227,280	5,771,070
OPEN-HEARTH FURNACE	1,215,071	1,340,088	8,193	617	--	--	1,223,264	1,340,705
ELECTRIC FURNACE	2,128,031	70,724	258,829	3,505	404,960	19,209	2,791,820	93,438
CUPOLA FURNACE	30,279	16,979	9,759	118	1,187,589	88,115	1,227,627	105,212
OTHER (INCLUDING AIR FURNACE) 5/	62,170	32,569	1,349	403	138,891	4,020	202,410	36,992
DIRECT CASTINGS 6/	--	128,746	--	--	--	149,867	--	278,613
TOTAL	6,015,753	7,360,176	278,130	4,643	1,731,440	261,211	8,025,323	7,626,030

1/ INCLUDES ONLY THOSE CASTINGS MADE BY COMPANIES PRODUCING STEEL INGOTS.

2/ EXCLUDES COMPANIES THAT PRODUCE BOTH STEEL INGOTS AND STEEL CASTINGS.

3/ INCLUDES CONSUMPTION IN ALL BLAST FURNACES PRODUCING PIG IRON.

4/ INCLUDES SCRAP AND PIG IRON PROCESSED IN METALLURGICAL BLAST CUPOLAS AND USED IN OXYGEN CONVERTERS.

5/ INCLUDES VACUUM MELTING FURNACES AND MISCELLANEOUS USES.

6/ INCLUDES INGOT MOLDS AND STOOLES.

TABLE 6. - MANUFACTURERS OF PIG IRON AND STEEL INGOTS AND CASTINGS. 1/ - RECEIPTS, PRODUCTION, CONSUMPTION, SHIPMENTS AND STOCKS OF PIG IRON AND IRON AND STEEL SCRAP, BY GRADE, FEBRUARY 1976 (FINAL) 2/ (SHORT TONS)

ITEM	RECEIPTS OF SCRAP			PRODUCTION OF HOME SCRAP			CONSUMPTION OF BOTH PURCHASED AND RECYCLATING			SHIPMENTS			ENDING STOCKS
	FROM BROKERS, DEALERS AND OTHER OUTSIDE SOURCES	FROM OTHER OWN COMPANY PLANTS	FROM SCRAP RESULTING FROM CURRENT OPERATIONS	RECYCLATING OBSOLETE SCRAP (INCLUDES INGOT MOLD, STUOLS, AND SCRAP FROM OLD EQUIPMENT, BUILDINGS, ETC.)	HOME SCRAP (INCLUDES RECYCLATING SCRAP)	SHIPMENTS OF SCRAP	SHIPMENTS	SHIPMENTS	SHIPMENTS	SHIPMENTS	SHIPMENTS	SHIPMENTS	
SCRAP:													
CARBON STEEL-													
LOW-PHOSPHORUS PLATE AND PUNCHINGS	56,046	266	11,434	--	73,436	1,667	92,851						
CUT STRUCTURAL AND PLATE	14,501	4	12,967	786	23,101	3,128	27,010						
NO.1 HEAVY MELTING STEEL	392,311	224,487	1,341,333	4,376	1,753,969	187,890	2,381,214						
NO.2 HEAVY MELTING STEEL	174,070	18,841	84,475	338	277,377	3,545	405,784						
NO.1 AND ELECTRIC FURNACE BUNDLES	505,430	33,349	205,094	1,453	665,366	712	1,139,832						
NO.2 AND ALL OTHER BUNDLES	192,033	2,757	45,116	--	222,147	9,845	341,279						
ELECTRIC FURNACE 1 FOOT AND UNDER (NOT BUNDLES)	11,670	--	5,083	--	15,198	--	15,381						
RAILROAD RAILS	1,799	1,120	--	709	4,371	--	1,665						
TURNINGS AND BORINGS	77,481	5,134	39,203	92	112,054	4,486	82,468						
SLAG SCRAP (FE CONTENT 70 PERCENT)	97,634	985	204,101	2,124	304,011	5,809	255,280						
SHREDDED OR FRAGMENTIZED	114,882	37,956	--	--	139,154	1,213	175,757						
ALL OTHER CARBON STEEL SCRAP	182,416	7,203	840,314	5,750	947,462	49,368	814,728						
STAINLESS STEEL SCRAP	35,103	1,938	46,585	29	83,554	2,496	108,203						
ALLOY STEEL (EXCEPT STAINLESS)	14,080	16,892	120,093	524	138,667	11,356	321,867						
INGOT MOLD AND STUOL SCRAP	4,757	37,919	50,287	168,028	242,382	42,932	934,990						
MACHINERY AND CUPOLA CAST IRON	177	--	--	--	177	--	254						
CAST IRON BORINGS	15,700	8,606	33,927	868	59,741	3,822	92,722						
MOTOR BLOCKS	1,810	--	--	--	86	--	1,206						
OTHER IRON SCRAP	27,713	9,642	46,781	3,724	66,552	28,679	140,420						
OTHER MIXED SCRAP	8,656	3,693	11,264	15	19,450	2,736	131,351						
TOTAL SCRAP	1,928,269	410,792	3,098,057	188,816	5,149,055	359,684	7,464,262						
TOTAL SCRAP THROUGH FEBRUARY 1976	3,621,083	758,653	6,180,132	377,554	10,333,860	664,356	7,464,262						
PIG IRON	460,561	--	6,754,707	--	6,579,971	629,440	1,299,356						
PIG IRON THROUGH FEBRUARY 1976	903,752	--	13,398,895	--	13,029,102	1,249,430	1,299,356						

1/ INCLUDES ONLY THOSE MANUFACTURERS OF STEEL CASTINGS THAT ALSO PRODUCE INGOTS.
2/ BASED ON RETURNS FROM 96% OF REPORTING CONSUMERS, REPRESENTING 99% OF SCRAP CONSUMPTION.

TABLE 7. - MANUFACTURERS OF STEEL CASTINGS 1/ - RECEIPTS, PRODUCTION, CONSUMPTION, SHIPMENTS AND STOCKS OF PIG IRON AND IRON AND STEEL SCRAP, BY GRADE, FEBRUARY 1976 (FINAL) 2/ (SHORT TONS)

ITEM	RECEIPTS OF SCRAP		PRODUCTION OF HOME SCRAP			CONSUMPTION		ENDING STOCKS
	FROM BROKERS, DEALERS AND OTHER OUTSIDE SOURCES	FROM OTHER OWN COMPANY PLANTS	RECYCLATING SCRAP RESULTING FROM CURRENT OPERATIONS	OBsolete SCRAP (INCLUDES INGOT MOLDS, STOOLS, AND SCRAP FROM OLD EQUIPMENT, BUILDINGS, ETC.)	OF BOTH PURCHASED AND HOME SCRAP	SHIPMENTS OF SCRAP		
SCRAP:								
CARBON STEEL--								
LOW-PHOSPHORUS PLATE AND PUNCHINGS----	52,641	542	17,466	56	68,964	11	68,915	
CUT STRUCTURAL AND PLATE-----	15,547	2,202	2,217	--	21,675	91	16,160	
NO.1 HEAVY MELTING STEEL-----	14,256	411	6,162	--	17,838	--	37,652	
NO.2 HEAVY MELTING STEEL-----	2,651	--	1,217	--	3,924	--	2,943	
NO.1 AND ELECTRIC FURNACE BUNDLES----	4,921	180	--	--	5,423	--	5,034	
NO.2 AND ALL OTHER BUNDLES-----	376	--	--	--	577	--	668	
ELECTRIC FURNACE 1 FOOT AND UNDER (NOT BUNDLES)-----	4,660	32	918	--	5,764	118	3,956	
RAILROAD RAILS-----	--	--	--	--	19	--	261	
TURNINGS AND BORINGS-----	4,687	31	2,504	--	7,247	189	7,010	
SLAG SCRAP (FE CONTENT 70 PERCENT)----	463	--	732	--	1,178	20	29	
SHREDDER OR FRAGMENTIZED-----	8,627	--	12	--	7,319	--	7,307	
ALL OTHER CARBON STEEL SCRAP-----	35,038	1,671	30,198	896	68,480	--	34,852	
STAINLESS STEEL SCRAP-----								
ALLOY STEEL (EXCEPT STAINLESS)-----	2,102	1,020	1,808	--	4,943	300	5,941	
INGOT MOLD AND STUOL SCRAP-----	4,997	2,854	10,991	--	15,243	2,909	16,577	
MACHINERY AND CUPOLA CAST IRON -----	587	--	12	--	398	50	1,858	
CAST IRON BORINGS-----	467	--	1,203	--	1,956	--	1,070	
MOTOR BLOCKS-----	3,591	--	2,861	--	6,215	--	3,773	
OTHER IRON SCRAP-----	93	--	--	--	108	--	174	
OTHER MIXED SCRAP-----	3,839	--	5,280	106	9,157	406	20,459	
	101	--	371	--	498	--	324	
TOTAL SCRAP-----								
	159,644	8,943	83,952	1,058	246,926	4,094	234,963	
TOTAL SCRAP, THROUGH FEBRUARY 1976-----								
	305,873	16,359	166,256	3,455	491,678	8,518	234,963	
RECEIPTS		PRODUCTION		CONSUMPTION		STOCKS		
3,784		--		4,219		7,189		
PIG IRON-----								
7,676		--		7,993		7,189		
PIG IRON THROUGH FEBRUARY 1976-----								

1/ EXCLUDES COMPANIES THAT PRODUCE BOTH STEEL INGOTS AND CASTINGS.

2/ BASED ON RETURNS FROM 88% OF REPORTING CONSUMERS, REPRESENTING 94% OF SCRAP CONSUMPTION.

TABLE 8. - IRON FOUNDRIES AND MISCELLANEOUS USERS - RECEIPTS, PRODUCTION, CONSUMPTION, SHIPMENTS, AND STOCKS OF PIG IRON AND STEEL SCRAP, BY GRADE, FEBRUARY 1976 (FINAL) 1/ (SHORT TONS)

ITEM	RECEIPTS OF SCRAP		PRODUCTION OF HOME SCRAP		CONSUMPTION		ENDING STOCKS
	FROM BROKERS, DEALERS AND OTHER SOURCES	FROM OTHER OWN COMPANY PLANTS	RECYCLING OBSOLETE SCRAP (INCLUDES INGOT CHASED AND RESULTING MOLDS, STOKES, HOME SCRAP AND SCRAP FROM CURRENT OPERATIONS BUILDINGS, ETC.)	FROM SCRAP (INCLUDES RE-OLD EQUIPMENT, CIRCULATING OF SCRAP)	OF BOTH PURCHASED AND RECYCLED		
SCRAP:							
CARBON STEEL--							
LOW-PHOSPHORUS PLATE AND PUNCHINGS----	67,230	7,810	9,203	28	76,907	553	76,484
CUT STRUCTURAL AND PLATE-----	106,466	9,387	11,686	--	131,831	1,034	74,552
NO.1 HEAVY MELTING STEEL-----	21,064	12,849	5,264	--	40,257	3,484	26,702
NO.2 HEAVY MELTING STEEL-----	7,501	4,288	2,345	18	9,498	66	11,616
NO.1 AND ELECTRIC FURNACE BUNDLES----	14,223	18,280	4,403	51	33,598	--	12,857
NO.2 AND ALL OTHER BUNDLES-----	21,178	4,023	631	--	32,836	--	17,943
ELECTRIC FURNACE 1 FOOT AND UNDER (NOT BUNDLES)-----	23,433	10,325	876	--	34,855	--	9,458
RAILROAD RAILS-----	9,698	--	24	--	8,467	24	11,302
TURNINGS AND BORINGS-----	55,336	7,922	1,645	50	64,784	2,821	67,185
SLAG SCRAP (FE CONTENT 70 PERCENT)----	3,067	--	49	--	2,119	49	7,585
SHREDDED OR FRAGMENTIZED-----	72,619	290	840	--	64,442	--	28,847
ALL OTHER CARBON STEEL SCRAP-----	89,551	59,762	11,718	--	170,229	1,061	87,922
STAINLESS STEEL SCRAP-----							
ALLOY STEEL (EXCEPT STAINLESS)-----	1,242	3	332	4	2,171	--	7,762
INGOT MOLD AND STOKES SCRAP-----	7,171	340	501	65	5,278	61	14,555
MACHINERY AND CUPOLA CAST IRON -----	13,453	232	2,110	474	13,378	607	23,690
CAST IRON BORINGS-----	76,730	6,600	60,773	419	142,400	450	90,862
MOTOR BLOCKS-----	36,002	70,313	23,881	38	121,118	5,176	69,059
OTHER IRON SCRAP-----	45,317	2,904	31,066	--	82,482	324	46,811
OTHER MIXED SCRAP-----	85,738	8,398	253,000	424	339,341	8,378	156,667
	38,705	69,667	24,347	258	132,230	247	39,858
TOTAL SCRAP-----	795,724	289,563	444,693	1,829	1,508,221	24,335	881,717
TOTAL SCRAP THROUGH FEBRUARY 1976----	1,514,754	541,347	839,811	5,002	2,916,993	42,227	881,717
RECEIPTS				PRODUCTION		CONSUMPTION	
229,598				--		227,421	
437,721				--		439,387	
PIG IRON-----				--		760	
PIG IRON THROUGH FEBRUARY 1976-----				--		1,093	
1/ BASED ON RETURNS FROM 83% OF REPORTING CONSUMERS, REPRESENTING 94% OF SCRAP CONSUMPTION.							

TABLE 9. - CONSUMPTION OF IRON AND STEEL SCRAP AND PIG IRON IN THE UNITED STATES
IN FEBRUARY 1976 (FINAL), BY TYPE OF CONSUMER AND TYPE OF FURNACE OR OTHER USE
(SHORT TONS)

TYPE OF FURNACE OR OTHER USE	MANUFACTURERS OF PIG IRON AND STEEL INGOTS AND CASTINGS 1/		MANUFACTURERS OF STEEL CASTINGS 2/		IRON FOUNDRIES AND MISCELLANEOUS USERS		TOTAL ALL TYPES	
	SCRAP	PIG IRON	SCRAP	PIG IRON	SCRAP	PIG IRON	SCRAP	PIG IRON
BLAST FURNACE 3/-	269,417	5,243,330	--	--	--	--	269,417	--
BASIC OXYGEN PROCESS 4/-	2,067,143	1,100,117	--	--	--	--	2,067,143	5,243,330
OPEN-HEARTH FURNACE	909,293	70,338	7,183	441	--	--	916,476	1,100,558
ELECTRIC FURNACE	1,831,714	16,152	228,057	3,153	354,667	19,034	2,414,438	92,525
CUPOLA FURNACE	33,358	28,232	8,963	100	1,048,309	80,602	1,090,630	96,854
OTHER (INCLUDING AIR FURNACE) 5/	38,130	121,802	2,723	525	105,245	3,514	146,098	32,271
DIRECT CASTINGS 6/-	--	--	--	--	--	124,271	--	246,073
TOTAL	5,149,055	6,579,971	246,926	4,219	1,508,221	227,421	6,904,202	6,811,611

- 1/ INCLUDES ONLY THOSE CASTINGS MADE BY COMPANIES PRODUCING STEEL INGOTS.
2/ EXCLUDES COMPANIES THAT PRODUCE BOTH STEEL INGOTS AND STEEL CASTINGS.
3/ INCLUDES CONSUMPTION IN ALL BLAST FURNACES PRODUCING PIG IRON.
4/ INCLUDES SCRAP AND PIG IRON PROCESSED IN METALLURGICAL BLAST CUPOLAS AND USED IN OXYGEN CONVERTERS.
5/ INCLUDES VACUUM MELTING FURNACES AND MISCELLANEOUS USES.
6/ INCLUDES INGOT MOLDS AND STOOLS.

FOREIGN TRADE

Exports of iron and steel scrap totaled 570,399 short tons in March compared with 640,267 tons in February. Exports of pig iron during March totaled 4,305 tons and 3,804 tons in February. Imports of scrap totaled 28,151 short tons in March compared with 21,798 tons in February. Of the scrap imported during March, 28,076 short tons came from Canada and 75 tons from other sources. Imports of pig iron totaled 31,012 short tons in March and 40,861 tons in February. No sponge iron was imported in March.

Table 10. - U.S. exports of iron and steel scrap, 1/ by country

Country	March 1976		Year to date	
	Short tons	Value	Short tons	Value
Canada-----	94,177	\$4,794,932	204,333	\$12,333,512
China, People's Rep. of-----	170	1,571	51,413	4,192,618
Greece-----	1,190	125,572	26,163	1,687,171
Italy-----	37,055	3,478,798	244,881	19,279,775
Japan-----	131,654	10,367,161	265,841	20,699,818
Korea, Republic of-----	32,939	2,759,334	222,372	13,627,663
Mexico-----	68,274	5,648,814	240,413	19,469,350
Spain-----	154,686	10,280,357	391,074	25,479,005
Sweden-----	1,726	674,859	6,485	2,596,854
Taiwan-----	9,161	1,275,475	53,394	3,919,247
Other countries-----	39,367	4,483,120	167,264	14,891,185
Total-----	570,399	43,889,993	1,873,633	138,176,198

1/ Excludes ships, boats, and other vessels for breaking up (for scrapping) which was included in 1965-1970 figures.

Table 11. - U.S. exports of iron and steel scrap, by grade

Grade of scrap	March 1976		Year to date	
	Short tons	Value	Short tons	Value
No. 1 heavy melting steel scrap-----	139,061	\$10,857,941	531,045	\$38,476,788
No. 2 heavy melting steel scrap-----	47,369	2,968,443	183,407	11,688,288
No. 1 bundles-----	6,930	491,912	18,262	1,224,194
No. 2 bundles-----	85,763	5,033,832	182,317	9,774,088
Borings, shovelings and turnings-----	64,179	3,875,443	128,041	6,650,991
Stainless steel-----	7,118	2,858,510	24,451	9,520,840
Shredded steel scrap-----	122,990	9,339,405	528,104	36,784,842
Iron scrap (excluding borings and shovelings)---	35,537	2,782,556	125,328	9,299,535
All other steel scrap <u>1/</u> -----	61,452	5,681,951	152,678	14,756,632
Total-----	570,399	43,889,993	1,873,633	138,176,198
Ships, boats, and other vessels for breaking up (for scrapping)-----	40	6,000	4,068	117,743
Total-----	570,439	43,895,993	1,877,701	138,293,941

1/ Includes tinplate and terneplate.