



MINERAL INDUSTRY SURVEYS

U. S. DEPARTMENT OF THE INTERIOR
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Iron and Steel Scrap, Monthly

IRON AND STEEL SCRAP IN SEPTEMBER 1974

Returns from 74% of reporting consumers indicated that consumption of iron and steel scrap in September on a daily average basis was 6% above that in August, according to the Bureau of Mines, U.S. Department of the Interior. Compared with August data, daily average production and net receipts were up 2% and 13%, respectively, and stocks at the end of the month were up 3%.

Exports of ferrous scrap during the month were 35% below those for August 1974 and 48% below those for September 1973. Japan was the largest importer of U.S. scrap, taking 31% of the total exported in September 1974. The next largest importers were Spain and Canada, which received 15% and 13%, respectively.

The Iron Age composite price for No. 1 heavy melting steel scrap (Chicago, Pittsburgh, and Philadelphia) at the end of September was \$115.17 per gross ton, up 89% from the price of \$60.83 at the end of September 1973.

Pig iron production and consumption on a daily average basis during the month were essentially unchanged and up 2%, respectively, from those of the previous month. Stocks of pig iron decreased 7% during September compared with those at the end of August 1974.

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

SEPTEMBER 1974 (PRELIMINARY) 1/						
	MFRS. OF		MFRS. OF	IRON FOUNDRIES	TOTAL FOR	FINAL
	PIG IRON AND	STEEL INGOTS		AND MISCEL-	MONTH OF	TOTAL FOR
	6 CASTINGS 2/	3/	CASTINGS 3/	LANEOUS USERS	SEP 1974	AUG 1974 4/
						SEP 1974 5/
SCRAP:						
RECEIPTS FROM DEALERS AND OTHER SOURCES	3,126,994	161,758	890,159	4,178,911	3,811,791	34,609,155
RECEIPTS FROM OTHER OWN COMPANY PLANTS--	446,495	6,168	163,454	616,117	604,071	5,442,161
PRODUCTION RECIRCULATING SCRAP-----	3,633,586	82,012	476,420	4,192,018	4,239,152	38,595,370
PRODUCTION OBSOLETE SCRAP-----	197,442	1,280	3,598	202,320	208,497	2,242,480
CONSUMPTION BY GRADE:						
CARBON STEEL -						
LOW-PHOSPHOROUS PLATE AND PUNCHINGS	54,574	63,983	64,291	182,848	193,768	1,715,638
CUT STRUCTURAL AND PLATE-----	54,941	19,156	123,380	197,477	201,721	1,850,318
NO.1 HEAVY MELTING STEEL-----	2,309,096	18,761	31,545	2,359,402	2,352,530	21,621,875
NO.2 HEAVY MELTING STEEL-----	331,559	4,929	6,790	343,278	351,860	3,080,175
NO.1 AND ELECTRIC FURNACE BUNDLES--	817,820	5,171	43,973	866,964	840,156	7,615,750
NO.2 AND ALL OTHER BUNDLES-----	313,165	1,002	51,173	365,340	357,426	3,342,271
ELECTRIC FURNACE 1 FOOT AND						
UNDER (NOT BUNDLES)-----	19,447	2,752	26,991	49,190	47,425	384,993
RAILROAD RAILS-----	10,050	512	8,943	19,505	21,205	185,468
MACHINERY AND CUPOLA CAST 6/-----	--	--	--	--	--	--
TURNINGS AND BORINGS-----	182,114	6,957	54,095	243,166	247,607	2,124,400
SLAG SCRAP (FE CONTENT 70%)-----	333,562	855	2,181	336,598	336,273	3,015,455
SHREDDED OR FRAGMENTIZED-----	231,253	6,138	67,989	305,380	240,628	2,192,880
ALL OTHER CARBON STEEL SCRAP-----	1,156,486	70,567	147,086	1,374,139	1,392,189	12,926,152
STAINLESS STEEL SCRAP-----	108,665	2,075	4,226	114,966	104,439	934,125
ALLOY STEEL (EXCEPT STAINLESS)-----	198,214	14,293	9,672	222,179	219,269	1,940,542
INGOT MOLD SCRAP-----	333,654	288	16,912	350,854	283,771	2,745,221
CAST IRON BORINGS-----	141,599	7,809	179,382	328,790	326,905	2,998,260
MOTOR BLOCKS-----	522	2,369	81,191	84,082	76,856	696,905
OTHER IRON SCRAP-----	95,116	17,391	349,566	462,073	445,336	3,838,953
OTHER MIXED SCRAP-----	33,010	4,542	24,188	278,740	255,129	2,337,092
CONSUMPTION TOTAL-----	6,724,847	249,550	1,510,574	8,484,971	8,294,493	75,546,473
SHIPMENTS-----	434,064	2,256	37,483	473,803	476,737	4,368,937
STOCKS END OF MONTH-----	6,716,215	256,713	1,131,284	8,104,212	7,862,370	--
PIG IRON:						
RECEIPTS-----	470,113	5,695	276,738	752,546	793,588	7,301,385
PRODUCTION-----	7,642,059	--	--	7,642,059	7,900,997	73,192,729
CONSUMPTION-----	7,568,777	5,502	274,945	7,848,224	7,924,287	73,934,396
SHIPMENTS-----	602,715	142	1,024	603,881	827,709	6,977,801
STOCKS END OF MONTH-----	607,875	11,296	252,695	871,866	939,572	--

1/ BASED ON 74 PERCENT RETURN OF REPORTING CONSUMERS.
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 97 PERCENT RETURN FROM REPORTING CONSUMERS.
5/ CUMULATIVE TOTALS MAY NOT AGREE WITH SUM OF MONTHLY REPORTS BECAUSE OF ADDITION OF REPORTS FROM LATE RESPONDENTS.
6/ INCLUDED IN "OTHER MIXED SCRAP".

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, SEPTEMBER 1974 (PRELIMINARY) 2/ (SHORT TONS)

ITEM	RECEIPTS OF SCRAP		PRODUCTION OF HOME SCRAP				CONSUMPTION		
	FROM BROKERS, DEALERS AND OTHER	FROM OTHER OWN COMPANY PLANTS	RECIRCULATING SCRAP		OBsolete SCRAP		OF BOTH PUR- CHASED AND HOME SCRAP		ENDING STOCKS
			FROM DEALERS AND OTHER	FROM OTHER OWN COMPANY PLANTS	FROM CURRENT OPERATIONS	FROM OLD EQUIP- MENT, OBSOLETE BUILDINGS, ETC.)	FROM CURRENT OPERATIONS	FROM OLD EQUIP- MENT, OBSOLETE BUILDINGS, ETC.)	
SCRAP:									
CARBON STEEL-									
LOW-PHOSPHOROUS PLATE AND PUNCHINGS--	53,187	297			2,007	--	54,574	--	63,894
CUT-STRUCTURAL AND PLATE-----	29,361	5			24,834	165	54,941	236	18,981
NO.1 HEAVY MELTING STEEL-----	975,716	190,198			1,618,432	17,095	2,309,096	142,224	2,172,434
NO.2 HEAVY MELTING STEEL-----	261,645	17,896			81,449	198	331,559	2,997	583,818
NO.1 AND ELECTRIC FURNACE BUNDLES--	587,638	37,086			215,969	1,380	817,820	3,188	812,744
NO.2 AND ALL OTHER BUNDLES-----	237,778	7,871			42,928	--	313,165	18,785	418,891
ELECTRIC FURNACE 1 FOOT AND UNDER (NOT BUNDLES)-----	6,917	120			6,540	4	19,447	--	32,911
RAILROAD RAILS-----	8,307	--			--	--	10,050	--	4,934
MACHINERY AND CUPOLA CAST 3/-----	--	--			--	--	--	--	--
TURNINGS AND BORINGS-----	144,925	8,860			27,542	1,858	182,114	7,536	110,123
SLAG SCRAP (FE CONTENT 70%)-----	139,336	11,078			188,820	--	333,562	14,844	257,271
SHREDDED OR FRAGMENTIZED-----	204,805	12,008			--	--	231,253	--	149,761
ALL OTHER CARBON STEEL SCRAP-----	290,233	25,439			937,084	6,326	1,156,486	90,737	620,846
STAINLESS STEEL SCRAP-----	43,316	4,551			69,369	41	108,665	4,169	145,000
ALLOY STEEL (EXCEPT STAINLESS)-----	17,140	17,061			167,767	703	198,214	3,282	218,988
INGOT MOLD SCRAP-----	32,926	48,547			86,691	158,392	333,654	71,366	586,290
CAST IRON BORINGS-----	38,014	38,709			75,781	9,339	141,599	35,924	125,951
MOTOR BLOCKS-----	522	--			--	--	522	--	1,114
OTHER IRON SCRAP-----	42,877	15,054			76,737	1,934	95,116	36,141	371,993
OTHER MIXED SCRAP-----	12,351	11,715			11,636	7	33,010	2,635	20,271
TOTAL SCRAP-----	3,126,994	446,495			3,633,586	197,442	6,724,847	434,064	6,716,215
RECEIPTS			PRODUCTION		CONSUMPTION		SHIPMENTS		STOCKS
PIG IRON-----	470,113				7,642,059		7,568,777	602,715	607,875

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

2/ BASED ON 88 % RETURN OF REPORTING CONSUMERS.

3/ INCLUDED IN OTHER MIXED SCRAP.

TABLE 3. - MANUFACTURERS OF STEEL CASTINGS 1/ - RECEIPTS, PRODUCTION, CONSUMPTION, SHIPMENTS AND STOCKS OF PIG IRON AND IRON AND STEEL SCRAP, BY GRADE, SEPTEMBER 1974 (PRELIMINARY) 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 AND SCRAP FROM OLD EQUIPMENT, OBSOLETE BUILDINGS, ETC.)	OF BOTH PURCHASED AND HOME SCRAP (INCLUDES RE-CIRCULATING SCRAP)	SHIPMENTS OF SCRAP			
SCRAP:									
CARBON STEEL-									
LOW-PHOSPHOROUS PLATE AND PUNCHINGS--	51,208	560	12,785	439	63,983	282		53,680	
CUT-STRUCTURAL AND PLATE-----	14,208	2,174	3,764	54	19,156	--		21,332	
NO.1 HEAVY MELTING STEEL-----	10,948	385	6,112	--	18,761	59		29,242	
NO.2 HEAVY MELTING STEEL-----	2,700	--	996	--	4,929	--		5,790	
NO.1 AND ELECTRIC FURNACE BUNDLES----	5,092	--	592	--	5,171	--		2,518	
NO.2 AND ALL OTHER BUNDLES-----	565	--	--	--	1,002	--		2,024	
ELECTRIC FURNACE 1 FOOT AND UNDER (NOT BUNDLES)-----	1,809	--	980	--	2,752	--		2,207	
RAILROAD RAILS-----	479	--	--	--	512	--		2,133	
MACHINERY AND CUPOLA CAST 3/-----	--	--	--	--	--	--		--	
TURNINGS AND BORINGS-----	5,002	6	2,283	--	6,957	279		3,689	
SLAG SCRAP (FE CONTENT 70%)-----	891	--	--	--	855	--		92	
SHREDDER OR FRAGMENTIZED-----	5,448	--	--	--	6,138	--		7,289	
ALL OTHER CARBON STEEL SCRAP-----	40,590	920	28,829	721	70,567	300		71,154	
STAINLESS STEEL SCRAP-----									
ALLOY STEEL (EXCEPT STAINLESS)-----	1,904	241	534	--	2,075	167		2,521	
INGOT MOLD SCRAP-----	4,658	1,785	8,836	--	14,293	738		18,934	
CAST IRON BORINGS-----	179	--	--	--	288	--		468	
MOTOR BLOCKS-----	2,980	--	4,720	--	7,809	181		3,468	
OTHER IRON SCRAP-----	2,374	--	--	--	2,369	--		3,629	
OTHER MIXED SCRAP-----	8,183	97	9,571	66	17,391	250		23,812	
	2,540	--	2,010	--	4,542	--		2,731	
TOTAL SCRAP-----	161,758	6,168	82,012	1,280	249,550	2,256		256,713	
PIG IRON-----									
RECEIPTS			PRODUCTION			CONSUMPTION			STOCKS
5,695			--			5,502			11,296

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

2/ BASED ON 69% RETURN OF REPORTING CONSUMERS.

3/ INCLUDED IN "OTHER MIXED SCRAP".

TABLE 4. - IRON FOUNDRIES AND MISCELLANEOUS USERS - RECEIPTS, PRODUCTION, CONSUMPTION, SHIPMENTS, AND STOCKS OF PIG IRON AND STEEL SCRAP, BY GRADE, SEPTEMBER 1974 (PRELIMINARY) 1/ (SHORT TONS)

ITEM	RECEIPTS OF SCRAP		PRODUCTION OF HOME SCRAP			CONSUMPTION OF BOTH PURCHASED AND RECYCLING			ENDING STOCKS
	FROM BROKERS, DEALERS AND OTHER OUTSIDE SOURCES	FROM OTHER OWN COMPANY PLANTS	RECYCLING OBSOLETE SCRAP (INCLUDES INGOT MOLD AND SCRAP FROM OLD EQUIPMENT, OBSOLETE BUILDINGS, ETC.)	RESULTING FROM CURRENT OPERATIONS	SCRAP (INCLUDES RECYCLING OF SCRAP)	CHASED AND HOME SCRAP (INCLUDES RECYCLING OF SCRAP)	SHIPMENTS		
SCRAP:									
CARBON STEEL--									
LOW-PHOSPHOROUS PLATE AND PUNCHINGS--	56,453	7,690	1,134	70	64,291	935	43,479		
CUT-STRUCTURAL AND PLATE-----	91,554	14,492	12,824	50	123,380	340	103,933		
NO.1 HEAVY MELTING STEEL-----	21,112	7,597	4,282	--	31,545	2,174	44,797		
NO.2 HEAVY MELTING STEEL-----	1,520	4,035	3,251	97	6,790	525	10,300		
NO.1 AND ELECTRIC FURNACE BUNDLES----	21,493	19,437	3,348	588	43,973	258	26,487		
NO.2 AND ALL OTHER BUNDLES-----	44,242	3,285	615	--	51,173	344	72,124		
ELECTRIC FURNACE 1 FOOT AND UNDER (NOT BUNDLES)-----	19,524	6,742	--	--	26,991	--	9,945		
RAILROAD RAILS-----	5,800	--	2,490	--	8,943	1	20,782		
MACHINERY AND CUPOLA CAST 2/-----	--	--	--	--	--	--	--		
TURNINGS AND BORINGS-----	44,158	13,884	2,281	7	54,095	3,321	81,247		
SLAG SCRAP (FE CONTENT 70%)-----	1,313	--	975	--	2,181	38	2,774		
SHREDDER OR FRAGMENTIZED-----	67,361	632	560	--	67,989	--	59,002		
ALL OTHER CARBON STEEL SCRAP-----	127,546	4,287	10,317	--	147,086	827	123,959		
STAINLESS STEEL SCRAP-----									
ALLOY STEEL (EXCEPT STAINLESS)-----	2,876	4	341	4	4,226	--	18,431		
INGOT MOLD SCRAP-----	9,911	--	455	64	9,672	114	16,632		
CAST IRON BORINGS-----	12,232	393	2,935	577	16,912	1,274	19,556		
MOTOR BLOCKS-----	81,710	56,189	49,628	1,643	179,382	7,763	100,002		
OTHER IRON SCRAP-----	49,296	2,250	31,359	--	81,191	173	53,444		
OTHER MIXED SCRAP-----	73,008	15,283	274,198	95	349,566	14,550	182,614		
	159,050	7,254	75,427	403	241,188	4,846	141,776		
TOTAL SCRAP-----	890,159	163,454	476,420	3,598	1,510,574	37,483	1,131,284		
PIG IRON-----									
	RECEIPTS		PRODUCTION		CONSUMPTION		STOCKS		
	276,738		--		274,945		1,024		
							252,695		

1/ BASED ON 71 % RETURN OF REPORTING CONSUMERS.
2/ INCLUDED IN OTHER MIXED SCRAP.

TABLE 5.- CONSUMPTION OF IRON AND STEEL SCRAP AND PIG IRON IN THE UNITED STATES
IN SEPTEMBER 1974 (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		PIG IRON		SCRAP		PIG IRON		SCRAP		PIG IRON		SCRAP	
	---	---	---	---	---	---	---	---	---	---	---	---	---	---
BLAST FURNACE 3/-	373,713	--	--	--	--	--	--	--	--	--	--	--	373,713	--
BASIC OXYGEN PROCESS 4/-	2,211,775	5,417,522	--	--	--	--	--	--	--	--	--	--	2,211,775	5,417,522
OPEN-HEARTH FURNACE	1,551,605	1,828,530	--	--	12,097	--	1,250	--	102	--	45	--	1,563,804	1,829,825
ELECTRIC FURNACE	2,471,200	69,422	--	--	212,184	--	3,128	--	342,854	--	11,864	--	3,026,238	84,414
CUPOLA FURNACE	51,830	29,060	--	--	22,222	--	342	--	1,061,016	--	109,420	--	1,135,068	138,822
OTHER (INCLUDING AIR FURNACE) 5/	64,724	48,823	--	--	3,047	--	782	--	106,602	--	5,102	--	174,373	54,707
DIRECT CASTINGS 6/-	--	175,420	--	--	--	--	--	--	--	--	148,514	--	--	323,934
TOTAL	6,724,847	7,568,777	--	--	249,550	--	5,502	--	1,510,574	--	274,945	--	8,484,971	7,849,224

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.

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, AUGUST 1974 (FINAL) 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 OUTSIDE SOURCES	FROM OTHER OWN COMPANY PLANTS	RECYCLATING SCRAP FROM CURRENT OPERATIONS	OBsolete SCRAP (INCLUDES INGOT MOLD SCRAP FROM OLD EQUIPMENT, OBSOLETE BUILDINGS, ETC.)	RE-SCRAP (INCLUDES RE-CIRCULATING SCRAP)	SHIPMENTS OF SCRAP		
SCRAP:								
CARBON STEEL-								
LOW-PHOSPHOROUS PLATE AND PUNCHINGS	63,782	916	1,832	93	70,471	93	62,843	
CUT-STRUCTURAL AND PLATE	21,272	1,889	18,395	145	54,158	792	19,786	
NO.1 HEAVY MELTING STEEL	645,163	170,184	1,632,485	18,330	2,303,193	153,326	1,810,759	
NO.2 HEAVY MELTING STEEL	257,184	17,993	84,323	403	342,514	4,377	544,637	
NO.1 AND ELECTRIC FURNACE BUNDLES	546,135	35,429	215,520	834	791,294	9,258	791,107	
NO.2 AND ALL OTHER BUNDLES	270,260	6,742	33,373	--	304,152	6,492	462,683	
ELECTRIC FURNACE 1 FOOT AND UNDER (NOT BUNDLES)	7,795	385	8,016	--	17,372	--	38,830	
RAILROAD RAILS	5,651	--	--	--	10,989	18	7,438	
MACHINERY AND CUPOLA CAST 3/4	--	--	--	--	--	--	--	
TURNINGS AND BORINGS	166,237	10,619	28,263	114	184,356	9,453	115,877	
SLAG SCRAP (FE CONTENT 70%)	136,960	16,838	207,696	--	333,666	16,761	266,712	
SHREDDED OR FRAGMENTIZED	199,775	10,528	--	--	176,285	--	171,142	
ALL OTHER CARBON STEEL SCRAP	278,817	25,099	1,001,714	7,008	1,188,186	104,166	620,720	
STAINLESS STEEL SCRAP-								
ALLOY STEEL (EXCEPT STAINLESS)	38,938	4,294	60,080	15	98,312	3,589	140,483	
INGOT MOLD SCRAP	18,468	157,913	714	332	195,752	3,673	221,021	
CAST IRON BORINGS	52,916	63,596	160,332	8,265	267,805	56,183	661,968	
MOTOR BLOCKS	40,778	33,842	85,574	--	145,196	29,316	141,650	
OTHER IRON SCRAP	606	--	--	--	522	--	1,114	
OTHER MIXED SCRAP	37,603	28,405	68,266	5,662	90,960	41,624	360,863	
	11,272	14,168	5,677	2,529	30,581	2,701	20,191	
TOTAL SCRAP	2,799,612	457,764	3,701,130	204,444	6,605,764	441,822	6,459,824	
RECEIPTS		PRODUCTION		CONSUMPTION		STOCKS		
511,124		7,900,997		7,645,313		827,310 674,547		
PIG IRON-----								

1/ INCLUDES ONLY THOSE MANUFACTURERS OF STEEL CASTINGS THAT ALSO PRODUCE INGOTS.
2/ BASED ON 99% RETURN OF REPORTING CONSUMERS.
3/ INCLUDED IN 'OTHER MIXED SCRAP'.

TABLE 7. - MANUFACTURERS OF STEEL CASTINGS 1/ - RECEIPTS, PRODUCTION, CONSUMPTION, SHIPMENTS AND STOCKS OF PIG IRON AND IRON AND STEEL SCRAP, BY GRADE, AUGUST 1974 (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 OBSOLETE SCRAP (INCLUDES INGOT MOLDS AND SCRAP FROM OLD EQUIPMENT, OBSOLETE OPERATIONS BUILDINGS, ETC.)	RESULTING FROM CURRENT OPERATIONS	CHASED AND HOME SCRAP (INCLUDES RE-CIRCULATING SCRAP)	SHIPMENTS OF SCRAP	
SCRAP:							
CARBON STEEL -							
LOW-PHOSPHOROUS PLATE AND PUNCHINGS---	46,047	506	12,342	165	61,073	149	52,907
CUT-STRUCTURAL AND PLATE-----	12,950	2,358	2,885	184	18,079	--	20,011
NO.1 HEAVY MELTING STEEL-----	13,935	385	6,493	--	19,242	--	30,617
NO.2 HEAVY MELTING STEEL-----	3,110	--	325	--	2,791	--	7,023
NO.1 AND ELECTRIC FURNACE BUNDLES---	5,692	--	289	--	5,783	--	2,005
NO.2 AND ALL OTHER BUNDLES-----	604	--	--	--	924	--	2,461
ELECTRIC FURNACE 1 FOOT AND UNDER (NOT BUNDLES)-----	1,673	--	980	--	2,704	--	2,170
RAILROAD RAILS-----	381	--	--	--	492	--	2,166
MACHINERY AND CUPOLA CAST 3/-----	--	--	--	--	--	--	--
TURNINGS AND BORINGS-----	4,599	25	2,577	--	7,081	565	3,634
SLAG SCRAP (FE CONTENT 70%)-----	35	--	666	--	721	--	56
SHREDDED OR FRAGMENTIZED-----	5,330	--	--	--	4,669	--	7,979
ALL OTHER CARBON STEEL SCRAP-----	37,345	920	29,120	775	65,852	270	70,954
STAINLESS STEEL SCRAP-----	1,264	154	582	--	2,257	149	2,083
ALLOY STEEL (EXCEPT STAINLESS)-----	3,916	1,488	8,544	--	13,926	1,213	18,701
INGOT MOLD SCRAP-----	78	--	--	--	553	--	577
CAST IRON BORINGS-----	3,546	--	3,715	--	7,303	--	3,758
MOTOR BLOCKS-----	951	--	--	--	2,333	--	3,624
OTHER IRON SCRAP-----	7,061	94	9,193	74	17,395	181	23,536
OTHER MIXED SCRAP-----	2,937	339	1,758	--	4,819	--	2,723
TOTAL SCRAP-----	151,454	6,269	79,469	1,198	237,999	2,527	256,985
RECEIPTS		PRODUCTION		CONSUMPTION		SHIPMENTS	STOCKS
5,013		--		4,338		3	12,603
PIG IRON-----							

1/ EXCLUDES COMPANIES THAT PRODUCE BOTH STEEL INGOTS AND CASTINGS.
2/ BASED ON 96% RETURN OF REPORTING CONSUMERS.
3/ INCLUDED IN OTHER MIXED SCRAP.

TABLE 8. - IRON FOUNDRIES AND MISCELLANEOUS USERS - RECEIPTS, PRODUCTION, CONSUMPTION, SHIPMENTS, AND STOCKS OF PIG IRON AND IRON AND STEEL SCRAP, BY GRADE, AUGUST 1974 (FINAL.) 1/ (SHORT TONS)

ITEM	RECEIPTS OF SCRAP		PRODUCTION OF HOME SCRAP		CONSUMPTION OF BOTH PURCHASED AND HOME SCRAP		ENDING STOCKS
	FROM BROKERS, DEALERS AND OTHER OUTSIDE SOURCES	FROM OTHER OWN COMPANY PLANTS	RECYCLATING SCRAP (INCLUDES INGOT MOLD AND SCRAP FROM OLD EQUIPMENT, OBSOLETE BUILDINGS, ETC.)	RESULTING FROM CURRENT OPERATIONS	RE-SCRAP (INCLUDES RE-CIRCULATING SCRAP)	SHIPMENTS OF SCRAP	
SCRAP:							
CARBON STEEL--							
LOW-PHOSPHOROUS PLATE AND PUNCHINGS--	48,638	5,769	955	4	62,224	707	43,360
CUT-STRUCTURAL AND PLATE--	103,470	13,054	15,483	--	129,484	389	108,664
NO.1 HEAVY MELTING STEEL--	19,152	5,363	4,349	--	30,095	2,404	45,525
NO.2 HEAVY MELTING STEEL--	1,834	3,734	3,110	12	6,555	886	8,711
NO.1 AND ELECTRIC FURNACE BUNDLES--	21,434	18,941	2,955	29	43,079	--	25,852
NO.2 AND ALL OTHER BUNDLES--	44,322	3,285	625	--	52,350	--	72,333
ELECTRIC FURNACE 1 FOOT AND UNDER (NOT BUNDLES)--	19,928	6,742	--	--	27,349	--	10,670
RAILROAD RAILS--	5,973	--	2,490	--	9,724	177	21,436
MACHINERY AND CUPOLA CAST 2/--	--	--	--	--	--	--	--
TURNINGS AND BORINGS--	44,441	11,171	1,995	--	56,170	3,484	78,660
SLAG SCRAP (FE CONTENT 70%)--	577	--	975	--	1,886	38	2,705
SHREDDER OR FRAGMENTIZED--	53,193	667	840	--	59,674	--	58,438
ALL OTHER CARBON STEEL SCRAP--	110,699	4,011	6,991	20	138,151	1,558	129,360
STAINLESS STEEL SCRAP--							
ALLOY STEEL (EXCEPT STAINLESS)--	2,734	4	293	1	3,870	2	19,432
INGOT MOLD SCRAP--	11,154	21	332	47	9,591	56	15,988
CAST IRON BORINGS--	14,775	105	2,779	1,092	15,411	732	22,761
MOTOR BLOCKS--	86,484	46,180	46,989	1,318	174,406	6,672	98,152
OTHER IRON SCRAP--	41,043	2,853	28,364	--	74,001	80	53,289
OTHER MIXED SCRAP--	76,060	15,082	267,918	153	336,981	12,135	184,227
	154,814	3,056	71,110	179	219,729	3,068	145,998
TOTAL SCRAP--	860,725	140,038	458,553	2,855	1,450,730	32,388	1,145,561
RECEIPTS		PRODUCTION		CONSUMPTION		STOCKS	
277,451		--		274,636		252,422	
DIG IRON--						396	

1/ BASED ON 97 % RETURN OF REPORTING CONSUMERS.
2/ INCLUDED IN "OTHER MIXED SCRAP".

TABLE 9. - CONSUMPTION OF IRON AND STEEL SCRAP AND PIG IRON IN THE UNITED STATES
IN AUGUST 1974 (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/	382,362	--	--	--	--	--	--	--	--	--	--	--	382,362	--
BASIC OXYGEN PROCESS 4/	2,158,595	5,282,608	--	--	--	--	--	--	--	--	--	--	2,158,595	5,282,608
OPEN-HEARTH FURNACE	1,580,582	2,075,091	--	--	11,826	951	--	--	--	--	--	--	1,592,408	2,076,042
ELECTRIC FURNACE	2,370,281	79,058	--	--	198,772	2,372	--	--	324,102	--	17,958	--	2,893,155	99,388
CUPOLA FURNACE	43,309	20,446	--	--	24,314	367	--	--	1,022,885	--	109,948	--	1,090,508	130,761
OTHER (INCLUDING AIR FURNACE) 5/	70,635	41,060	--	--	3,087	648	--	--	103,743	--	5,665	--	177,465	47,373
DIRECT CASTINGS 6/	--	147,050	--	--	--	--	--	--	--	--	141,065	--	--	288,115
TOTAL	6,605,764	7,645,313	237,999	4,338	1,450,730	274,636	8,294,493	7,924,287						

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 525,465 short tons in September, compared with 812,542 tons in August. Exports of pig iron during September totaled 6,107 tons and 2,618 tons in August. Imports of scrap totaled 19,913 short tons in September compared with 13,395 tons in August. Of the scrap imported during September, 19,748 short tons came from Canada and 165 tons from other sources. Imports of pig iron totaled 43,297 short tons in September and 43,234 tons in August. In addition to the foregoing imports of pig iron during September, there were 2,048 tons of sponge iron, valued at \$83,682 imported, of which 2,029 tons came from Canada, and 19 tons from other countries.

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

Country	September 1974		Year to date	
	Short tons	Value	Short tons	Value
Argentina-----	18,189	\$2,502,807	102,972	\$9,825,756
Canada-----	68,637	4,489,641	733,397	38,900,546
China, People's Rep. of----	--	--	189,348	12,407,178
Greece-----	--	--	91,090	10,366,781
Italy-----	18,125	2,336,920	419,641	49,016,632
Japan-----	161,165	21,668,078	2,274,837	222,856,613
Korea, Rep. of-----	23,046	3,443,054	583,205	63,288,855
Mexico-----	65,109	7,406,144	717,088	53,705,729
Spain-----	76,746	10,083,555	701,410	67,803,817
Taiwan-----	30,237	3,700,685	421,355	36,870,606
Thailand-----	573	78,025	32,817	3,067,901
Other countries-----	63,638	7,788,751	415,219	48,497,649
Total-----	525,465	63,497,660	6,682,379	616,608,063

^{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	September 1974		Year to date	
	Short tons	Value	Short tons	Value
No 1 heavy melting steel scrap-----	180,140	\$23,902,487	2,026,026	\$194,328,111
No. 2 heavy melting steel scrap-----	51,153	6,024,259	709,582	64,445,824
No. 1 bundles-----	324	21,893	48,200	4,254,307
No. 2 bundles-----	69,240	6,749,874	1,038,650	75,209,032
Borings, shovelings and turnings-----	34,639	2,637,808	390,227	23,719,338
Stainless steel-----	906	374,713	27,007	11,218,392
Shredded steel scrap-----	130,523	18,279,288	1,549,879	170,362,184
Iron scrap (excluding borings and shovelings)-----	34,026	3,304,230	512,126	39,820,777
All other steel scrap ^{1/} -----	24,514	2,203,103	380,682	33,250,098
Total-----	525,465	63,497,660	6,682,379	616,608,063
Ships, boats, and other vessels for breaking up (for scrapping)-----	6,115	1,523,000	263,515	24,645,344
Total-----	531,580	65,020,660	6,945,894	641,253,407

^{1/} Includes tinplate and terneplate.