



MINERAL INDUSTRY SURVEYS

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

IRON AND STEEL SCRAP IN AUGUST 1974

Returns from 81% of reporting consumers indicated that consumption of iron and steel scrap in August on a daily average basis was 4% above that in July, according to the Bureau of Mines, U.S. Department of the Interior. Compared with July data, daily average production and net receipts were up 2% and 5%, respectively, and stocks at the end of the month were up 2%.

Exports of ferrous scrap during the month were 47% above those for July 1974 and 32% below those for August 1973. Japan was the largest importer of U.S. scrap, taking 40% of the total exported in August 1974. The next largest importers were Canada and Spain, which received 12% and 11%, respectively.

The Iron Age composite price for No. 1 heavy melting steel scrap (Chicago, Pittsburgh, and Philadelphia) at the end of August was \$113.67 per gross ton, up 104% from the price of \$55.83 at the end of August 1973.

Pig iron production and consumption on a daily average basis during the month were essentially unchanged and down 4%, respectively, from those of the previous month. Stocks of pig iron decreased 4% during August compared with those at the end of July 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)

	AUGUST 1974 (PRELIMINARY) 1/							
	MFRS. OF					FINAL		
	PIG IRON AND STEEL INGOTS & CASTINGS 2/	CASTINGS 3/ STEEL	IRON FOUNDRIES AND MISCEL- LANEOUS USERS	TOTAL FOR MONTH OF AUG 1974	TOTAL FOR MONTH OF JUL 1974	MONTH OF JUL 1974	THROUGH AUG 1974	YEAR AUG 1974 5/
SCRAP:								
RECEIPTS FROM DEALERS AND OTHER SOURCES	2,801,473	149,397	749,852	3,700,722	3,498,443	3,498,443	30,319,175	
RECEIPTS FROM OTHER OWN COMPANY PLANTS-	458,148	6,953	230,838	695,939	680,606	680,606	4,917,912	
PRODUCTION RECIRCULATING SCRAP-----	3,728,445	78,622	421,045	4,228,112	4,132,496	4,132,496	34,392,312	
PRODUCTION OBSOLETE SCRAP-----	206,549	1,198	2,855	210,602	205,818	205,818	2,042,265	
CONSUMPTION BY GRADE:								
CARBON STEEL -								
LOW-PHOSPHOROUS PLATE AND PUNCHINGS	68,894	64,876	53,698	187,468	154,163	154,163	1,526,490	
CUT STRUCTURAL AND PLATE-----	54,364	18,234	125,309	197,907	156,849	156,849	1,649,027	
NO.1 HEAVY MELTING STEEL-----	2,303,755	24,971	24,971	2,343,242	2,353,823	2,353,823	19,253,185	
NO.2 HEAVY MELTING STEEL-----	340,512	2,791	6,580	349,883	307,030	307,030	2,734,920	
NO.1 AND ELECTRIC FURNACE BUNDLES--	787,328	4,511	37,973	829,812	823,526	823,526	6,738,442	
NO.2 AND ALL OTHER BUNDLES-----	300,969	778	50,898	352,645	364,701	364,701	2,972,150	
ELECTRIC FURNACE 1 FOOT AND								
UNDER (NOT BUNDLES)-----	17,372	2,710	21,066	41,148	36,487	36,487	329,526	
RAILROAD RAILS-----	10,989	492	9,228	20,709	18,595	18,595	165,467	
MACHINERY AND CUPOLA CAST 6/-----	--	--	--	--	--	--	--	
TURNINGS AND BORINGS-----	182,524	6,822	49,873	239,219	212,646	212,646	1,872,846	
SLAG SCRAP (FE CONTENT 70%)-----	340,183	721	2,582	343,486	336,213	336,213	2,686,070	
SHREDDED OR FRAGMENTIZED-----	179,357	4,635	58,970	242,962	240,305	240,305	1,889,834	
ALL OTHER CARBON STEEL SCRAP-----	1,190,657	65,194	128,750	1,384,601	1,351,222	1,351,222	11,544,425	
STAINLESS STEEL SCRAP-----	101,491	2,257	3,866	107,614	109,234	109,234	822,334	
ALLOY STEEL (EXCEPT STAINLESS)-----	195,572	13,496	9,569	218,637	186,241	186,241	1,717,731	
INGOT MOLD SCRAP-----	273,849	555	15,339	289,743	307,581	307,581	2,400,339	
CAST IRON BORINGS-----	145,077	7,269	154,722	307,068	269,819	269,819	2,649,633	
MOTOR BLOCKS-----	389	2,333	72,614	75,336	60,690	60,690	611,303	
OTHER IRON SCRAP-----	91,042	17,392	314,879	423,313	390,215	390,215	3,354,857	
OTHER MIXED SCRAP-----	30,581	4,819	212,641	248,041	226,266	226,266	2,051,264	
CONSUMPTION TOTAL-----	6,614,905	234,401	1,353,528	8,202,834	7,905,606	7,905,606	66,969,843	
SHIPMENTS-----	440,530	2,615	40,955	484,100	460,184	460,184	3,902,497	
STOCKS END OF MONTH-----	6,483,526	259,009	1,175,441	7,917,976	7,741,182	7,741,182	--	
PIG IRON:								
RECEIPTS-----	511,650	4,899	264,673	781,222	1,311,646	1,311,646	7,418,939	
PRODUCTION-----	7,924,101	--	--	7,924,101	7,887,890	7,887,890	64,691,308	
CONSUMPTION-----	7,653,735	4,395	273,179	7,931,309	8,293,872	8,293,872	66,092,194	
SHIPMENTS-----	823,826	3	521	824,350	852,549	852,549	6,370,291	
STOCKS END OF MONTH-----	688,246	12,432	240,917	941,595	980,533	980,533	--	

1/ BASED ON 81 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 94 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, AUGUST 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 (INCLUDES INGOT CHASED AND MELTS AND SCRAP FROM OLD EQUIPMENT, OBSOLETE BUILDINGS, ETC.)		OBsolete SCRAP (INCLUDES RE-CIRCULATING SCRAP)	HOME SCRAP (INCLUDES RE-CIRCULATING SCRAP)	SHIPMENTS OF SCRAP		
			RESULTING FROM CURRENT OPERATIONS	FROM OBSOLETE BUILDINGS, ETC.)					
SCRAP:									
CARBON STEEL-									
LOW-PHOSPHOROUS PLATE AND PUNCHINGS--	62,656	916	1,832	93	68,894	93			63,294
CUT-STRUCTURAL AND PLATE-----	21,511	1,889	18,395	145	54,364	792			19,819
NO.1 HEAVY MELTING STEEL-----	645,945	170,523	1,646,042	18,514	2,303,755	154,673			1,823,712
NO.2 HEAVY MELTING STEEL-----	256,245	17,966	84,323	403	340,512	4,507			545,543
NO.1 AND ELECTRIC FURNACE BUNDLES----	545,641	35,490	212,294	834	787,328	1,939			798,723
NO.2 AND ALL OTHER BUNDLES-----	273,043	6,101	33,525	--	300,969	6,492			468,170
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/-----	--	--	--	--	--	--			--
TURNINGS AND BORINGS-----	165,418	10,646	27,403	114	182,524	9,480			116,030
SLAG SCRAP (FE CONTENT 70%)-----	137,140	16,788	214,081	--	340,183	16,768			266,523
SHREDDED OR FRAGMENTIZED-----	202,148	11,028	--	--	179,357	35			170,908
ALL OTHER CARBON STEEL SCRAP-----	275,526	25,099	1,009,512	7,098	1,190,657	104,209			622,803
STAINLESS STEEL SCRAP-----	40,332	4,294	61,667	15	101,491	3,633			140,298
ALLOY STEEL (EXCEPT STAINLESS)-----	18,617	16,837	157,598	714	195,572	3,592			221,116
INGOT MOLD SCRAP-----	54,397	63,596	89,891	160,707	273,849	56,720			655,131
CAST IRON BORINGS-----	40,117	34,017	89,923	9,715	145,077	33,254			143,153
MOTOR BLOCKS-----	389	--	--	--	389	--			1,030
OTHER IRON SCRAP-----	37,630	28,405	68,266	5,668	91,042	41,624			360,814
OTHER MIXED SCRAP-----	11,272	14,168	5,677	2,529	30,581	2,701			20,191
TOTAL SCRAP-----	2,801,473	458,148	3,728,445	206,549	6,614,905	440,530			6,483,526
RECEIPTS		PRODUCTION		CONSUMPTION		SHIPMENTS		STOCKS	
511,650		7,924,101		7,653,735		823,826		688,246	
PIG IRON-----									

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

2/ BASED ON 90% 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, AUGUST 1974 (PRELIMINARY) 2/ (SHORT TONS)

ITEM	RECEIPTS OF SCRAP		PRODUCTION OF HOME SCRAP			CONSUMPTION OF BOTH PURCHASED AND HOME SCRAP	SHIPMENTS	STOCKS
	FROM BROKERS, DEALERS AND OTHER OUTSIDE SOURCES	FROM OTHER OWN COMPANY PLANTS	RECYCLING SCRAP (INCLUDES INGOTS AND MOLD SCRAP)	FROM CURRENT OPERATIONS	FROM OLD EQUIPMENT, OBSOLETE BUILDINGS, ETC.)			
SCRAP:								
CARBON STEEL-								
LOW-PHOSPHOROUS PLATE AND PUNCHINGS----	49,326	506	13,524	165	64,876	116	54,332	
CUT-STRUCTURAL AND PLATE-----	14,967	2,358	2,885	184	18,234	--	21,873	
NO.1 HEAVY MELTING STEEL-----	10,831	385	5,071	--	14,516	--	30,817	
NO.2 HEAVY MELTING STEEL-----	3,110	--	325	--	2,791	--	7,023	
NO.1 AND ELECTRIC FURNACE BUNDLES----	4,216	--	289	--	4,511	--	1,801	
NO.2 AND ALL OTHER BUNDLES-----	482	--	--	--	778	--	2,485	
ELECTRIC FURNACE 1 FOOT AND UNDER (NOT BUNDLES)-----	1,727	--	980	--	2,710	--	2,218	
RAILROAD RAILS-----	381	--	--	--	492	--	2,166	
MACHINERY AND CUPOLA CAST 3/-----	--	--	--	--	--	--	--	
TURNINGS AND BORINGS-----	4,332	25	2,577	--	6,822	565	3,626	
SLAG SCRAP (FE CONTENT 70%)-----	35	--	666	--	721	--	56	
SHREDDER OR FRAGMENTIZED-----	5,035	--	--	--	4,635	--	7,718	
ALL OTHER CARBON STEEL SCRAP-----	35,210	1,604	28,728	775	65,194	438	69,601	
STAINLESS STEEL SCRAP-----								
ALLOY STEEL (EXCEPT STAINLESS)-----	1,262	154	585	--	2,257	149	2,084	
INGOT MOLD SCRAP-----	3,910	1,488	8,301	--	13,496	1,146	18,949	
CAST IRON BORINGS-----	78	--	--	--	555	--	577	
MOTOR BLOCKS-----	3,546	--	3,735	--	7,269	20	3,792	
OTHER IRON SCRAP-----	951	--	--	--	2,333	--	3,624	
OTHER MIXED SCRAP-----	7,061	94	9,198	74	17,392	181	23,544	
	2,937	339	1,758	--	4,819	--	2,723	
TOTAL SCRAP-----	149,397	6,953	78,622	1,198	234,401	2,615	259,009	
PIG IRON-----								
RECEIPTS			PRODUCTION			CONSUMPTION		
4,899			--			4,395		
						3		
						12,432		

1/ EXCLUDES COMPANIES THAT PRODUCE BOTH STEEL INGOTS AND CASTINGS.
2/ BASED ON 80 % 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, AUGUST 1974 (PRELIMINARY) 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	RECIRCULATING SCRAP (INCLUDES INGOT MOLD AND SCRAP FROM OLD EQUIPMENT, OBSOLETE BUILDINGS, ETC.)	RESULTING FROM CURRENT OPERATIONS	OBSOLETE SCRAP (INCLUDES RE-CIRCULATING SCRAP)	SHIPMENTS OF SCRAP		
							SCRAP:	
CARBON STEEL--								
LOW-PHOSPHOROUS PLATE AND PUNCHINGS----	43,998	6,415	1,775	4	53,698	708	48,587	
CUT-STRUCTURAL AND PLATE-----	96,892	13,054	15,267	--	125,309	223	106,302	
NO.1 HEAVY MELTING STEEL-----	15,733	4,308	4,500	--	24,971	2,555	45,688	
NO.2 HEAVY MELTING STEEL-----	1,887	3,734	3,110	12	6,580	886	8,739	
NO.1 AND ELECTRIC FURNACE BUNDLES----	19,266	19,805	2,955	29	37,973	3,133	26,521	
NO.2 AND ALL OTHER BUNDLES-----	46,159	4,496	625	--	50,898	1,338	75,495	
ELECTRIC FURNACE 1 FOOT AND UNDER (NOT BUNDLES)-----	12,883	8,792	--	--	21,066	--	11,958	
RAILROAD RAILS-----	5,648	--	2,490	--	9,228	177	21,597	
MACHINERY AND CUPOLA CAST 2/-----	--	--	--	--	--	--	--	
TURNINGS AND BORINGS-----	38,912	7,484	1,952	--	49,873	3,312	75,870	
SLAG SCRAP (FE CONTENT 70%)-----	1,771	--	901	--	2,582	50	3,117	
SHREDDED OR FRAGMENTIZED-----	52,102	1,112	840	--	58,970	--	58,496	
ALL OTHER CARBON STEEL SCRAP-----	88,824	37,263	7,247	20	128,750	1,924	149,555	
STAINLESS STEEL SCRAP-----								
ALLOY STEEL (EXCEPT STAINLESS)-----	2,789	4	293	1	3,866	2	19,491	
INGOT MOLD SCRAP-----	11,176	21	333	47	9,569	56	16,033	
CAST IRON BORINGS-----	14,644	105	2,781	1,092	15,339	732	22,704	
MOTOR BLOCKS-----	78,145	41,308	44,301	1,318	154,722	7,358	101,251	
OTHER IRON SCRAP-----	40,115	2,853	28,273	--	72,614	17	53,715	
OTHER MIXED SCRAP-----	89,919	15,648	234,725	153	314,879	15,150	184,517	
	88,989	64,436	68,677	179	212,641	3,334	145,805	
TOTAL SCRAP-----								
	749,852	230,838	421,045	2,855	1,353,528	40,955	1,175,441	
PIG IRON-----								
	RECEIPTS		PRODUCTION		CONSUMPTION		STOCKS	
	264,673		--		273,179		521	
							240,917	

1/ BASED ON 77 % 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 AUGUST 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	PIG IRON
BLAST FURNACE 3/-	395,005	--	--	--	--	--	395,005	--
BASIC OXYGEN PROCESS 4/-	2,158,595	5,282,608	--	--	--	--	2,158,595	5,282,608
OPEN-HEARTH FURNACE	1,591,538	2,083,513	11,826	951	--	--	1,603,364	2,084,464
ELECTRIC FURNACE	2,356,120	79,058	195,859	2,428	309,930	18,038	2,861,909	99,524
CUPOLA FURNACE	43,309	20,446	23,631	368	924,484	108,201	991,424	129,015
OTHER (INCLUDING AIR FURNACE) 5/	70,338	41,060	3,085	648	119,114	5,875	192,537	47,583
DIRECT CASTINGS 6/-	--	147,050	--	--	--	141,065	--	288,115
TOTAL	6,614,905	7,653,735	234,401	4,395	1,353,528	273,179	8,202,834	7,931,309

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, JULY 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	FROM SCRAP (INCLUDES RECYCLATING OBSOLETE SCRAP OF BOTH PURCHASED AND RESULTING FROM OLD EQUIPMENT, OBSOLETE BUILDINGS, ETC.)	FROM SCRAP (INCLUDES RECYCLATING OBSOLETE SCRAP OF BOTH PURCHASED AND RESULTING FROM OLD EQUIPMENT, OBSOLETE BUILDINGS, ETC.)	FROM SCRAP (INCLUDES RECYCLATING OBSOLETE SCRAP OF BOTH PURCHASED AND RESULTING FROM OLD EQUIPMENT, OBSOLETE BUILDINGS, ETC.)	FROM SCRAP (INCLUDES RECYCLATING OBSOLETE SCRAP OF BOTH PURCHASED AND RESULTING FROM OLD EQUIPMENT, OBSOLETE BUILDINGS, ETC.)	FROM SCRAP (INCLUDES RECYCLATING OBSOLETE SCRAP OF BOTH PURCHASED AND RESULTING FROM OLD EQUIPMENT, OBSOLETE BUILDINGS, ETC.)	FROM SCRAP (INCLUDES RECYCLATING OBSOLETE SCRAP OF BOTH PURCHASED AND RESULTING FROM OLD EQUIPMENT, OBSOLETE BUILDINGS, ETC.)	FROM SCRAP (INCLUDES RECYCLATING OBSOLETE SCRAP OF BOTH PURCHASED AND RESULTING FROM OLD EQUIPMENT, OBSOLETE BUILDINGS, ETC.)	
SCRAP:										
CARBON STEEL-										
LOW-PHOSPHOROUS PLATE AND PUNCHINGS--	51,650	277	1,761	35	54,095	--	66,783			
CUT-STRUCTURAL AND PLATE-----	25,974	--	16,032	121	44,755	--	33,035			
NO.1 HEAVY MELTING STEEL-----	609,240	175,637	1,644,051	17,169	2,317,841	170,247	1,775,264			
NO.2 HEAVY MELTING STEEL-----	262,398	13,211	87,856	402	303,188	5,343	527,096			
NO.1 AND ELECTRIC FURNACE BUNDLES----	513,150	39,041	214,543	1,387	778,091	5,009	793,398			
NO.2 AND ALL OTHER BUNDLES-----	299,558	11,749	40,782	--	321,267	6,598	458,426			
ELECTRIC FURNACE 1 FOOT AND UNDER (NOT BUNDLES)-----	14,101	373	6	--	13,263	--	42,728			
RAILROAD RAILS-----	5,490	--	--	--	9,884	--	12,794			
MACHINERY AND CUPOLA CAST 3/-----	--	--	--	--	--	--	--			
TURNINGS AND BORINGS-----	141,212	9,629	18,562	98	163,120	7,467	102,542			
SLAG SCRAP (FE CONTENT 70%)-----	134,877	3,084	196,628	--	333,171	4,216	255,440			
SHREDDER OR FRAGMENTIZED-----	196,689	12,344	--	--	176,735	--	142,416			
ALL OTHER CARBON STEEL SCRAP-----	278,374	22,431	982,785	8,584	1,171,003	82,974	608,212			
STAINLESS STEEL SCRAP-----	39,703	4,174	60,927	7	103,198	3,750	139,034			
ALLOY STEEL (EXCEPT STAINLESS)-----	14,848	16,240	154,638	548	168,341	4,772	226,257			
INGOT MOLD SCRAP-----	37,023	59,844	87,547	160,619	291,925	53,636	615,421			
CAST IRON BORINGS-----	38,837	38,470	87,804	8,342	134,221	25,895	147,589			
POT BLOCKS-----	659	--	--	--	389	--	1,030			
OTHER IRON SCRAP-----	41,833	21,529	74,715	5,241	88,348	37,607	356,380			
OTHER MIXED SCRAP-----	14,721	11,371	8,349	14	27,150	2,723	19,731			
TOTAL SCRAP-----	2,720,337	439,404	3,676,986	202,567	6,499,985	410,237	6,323,576			
PIG IRON-----	1,024,309		7,887,890		8,029,870	851,734	720,101			

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, JULY 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 SCRAP (INCLUDES INGOT MOLD AND SCRAP FROM CURRENT OPERATIONS BUILDINGS, ETC.)	OBSOLETE SCRAP (INCLUDES INGOT MOLD AND SCRAP FROM OLD EQUIPMENT, OBSOLETE BUILDINGS, ETC.)	SCRAP	OF BOTH PURCHASED AND HOME SCRAP	RE-SHIPMENTS OF SCRAP		
SCRAP:									
CARBON STEEL-									
LOW-PHOSPHOROUS PLATE AND PUNCHINGS----	38,359	195	11,659	110	51,171	34	55,175		
CUT-STRUCTURAL AND PLATE-----	16,035	1,984	2,791	113	16,783	---	19,644		
NO.1 HEAVY MELTING STEEL-----	8,922	360	4,245	---	11,076	130	29,046		
NO.2 HEAVY MELTING STEEL-----	2,585	---	660	---	932	---	6,379		
NO.1 AND ELECTRIC FURNACE BUNDLES----	5,315	---	686	---	5,697	---	1,807		
NO.2 AND ALL OTHER BUNDLES-----	867	---	---	---	456	---	2,781		
ELECTRIC FURNACE 1 FOOT AND UNDER (NOT BUNDLES)-----	1,674	---	980	/	2,711	---	2,221		
RAILROAD RAILS-----	881	---	---	---	602	89	2,277		
MACHINERY AND CUPOLA CAST 3/-----	---	---	---	---	---	---	---		
TURNINGS AND BORINGS-----	3,741	19	1,508	---	4,602	342	4,079		
SLAG SCRAP (FE CONTENT 70%)-----	---	---	593	---	564	---	76		
SHREDDED OR FRAGMENTIZED-----	6,360	---	---	---	4,109	---	7,318		
ALL OTHER CARBON STEEL SCRAP-----	35,909	1,662	26,657	40	56,668	390	68,943		
STAINLESS STEEL SCRAP-----									
ALLOY STEEL (EXCEPT STAINLESS)-----	1,682	153	462	---	1,908	144	2,489		
INGOT MOLD SCRAP-----	4,884	1,408	5,623	---	10,201	1,146	20,582		
CAST IRON BORINGS-----	127	---	---	---	363	---	1,419		
MOTOR BLOCKS-----	3,179	---	2,479	---	5,970	---	3,799		
OTHER IRON SCRAP-----	1,419	---	---	---	1,580	15	4,984		
OTHER MIXED SCRAP-----	5,096	3	7,283	189	12,052	217	24,736		
	1,593	---	1,937	---	4,331	---	2,215		
TOTAL SCRAP-----									
	138,628	5,784	67,563	452	191,776	2,507	259,970		
PIG IRON-----									
	RECEIPTS		PRODUCTION		CONSUMPTION		STOCKS		
	5,365		---		4,411		10,791		

1/ EXCLUDES COMPANIES THAT PRODUCE BOTH STEEL INGOTS AND CASTINGS.
2/ BASED ON 94% 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, JULY 1974 (FINAL) 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	FROM SCRAP (INCLUDES INGOT MOLDS AND SCRAP FROM OLD EQUIP- MENT, OBSOLETE BUILDINGS, ETC.)	RECYCLATING OBSOLETE SCRAP	RESULTING FROM CURRENT OPERATIONS	FROM OLD EQUIP- MENT, OBSOLETE BUILDINGS, ETC.)	CHASED AND HOME SCRAP	(INCLUDES RE- CIRCULATING SCRAP)		
SCRAP:										
CARBON STEEL-										
LOW-PHOSPHOROUS PLATE AND PUNCHINGS----	43,824	12,572	1,766	42	48,897	2,360	51,160			
CUT-STRUCTURAL AND PLATE-----	86,360	9,361	8,321	--	95,311	390	106,224			
NO.1 HEAVY MELTING STEEL-----	22,495	4,303	4,519	--	24,906	2,209	45,752			
NO.2 HEAVY MELTING STEEL-----	1,524	200	1,393	50	2,910	42	7,462			
NO.1 AND ELECTRIC FURNACE BUNDLES----	23,292	18,225	3,766	61	39,738	920	26,012			
NO.2 AND ALL OTHER BUNDLES-----	40,410	4,496	600	--	42,978	--	76,451			
ELECTRIC FURNACE 1 FOOT AND UNDER (NOT BUNDLES)-----	13,494	8,792	--	--	20,513	--	11,349			
RAILROAD RAILS-----	7,319	--	2,490	--	8,109	5	22,645			
MACHINERY AND CUPOLA CAST 2/-----	--	--	--	--	--	--	--			
TURNINGS AND BORINGS-----	37,477	11,425	3,090	4	44,924	2,904	79,668			
SLAG SCRAP (FE CONTENT 70%)-----	380	--	901	--	2,478	50	3,057			
SHREDDED OR FRAGMENTIZED-----	50,181	5,440	67	--	59,461	3,540	63,412			
ALL OTHER CARBON STEEL SCRAP-----	63,406	36,397	10,351	37	123,551	2,214	147,052			
STAINLESS STEEL SCRAP-----										
ALLOY STEEL (EXCEPT STAINLESS)-----	3,019	2	274	4	4,128	9	20,290			
INGOT MOLD SCRAP-----	8,790	7	282	43	7,699	25	14,082			
CAST IRON BORINGS-----	11,560	626	3,113	894	15,293	1,032	20,668			
MOTOR BLOCKS-----	52,970	41,705	34,956	751	129,628	4,995	99,839			
OTHER IRON SCRAP-----	35,924	1,149	24,036	--	58,721	1,480	55,105			
OTHER MIXED SCRAP-----	61,072	13,824	224,035	189	289,815	21,161	173,886			
	75,981	66,894	63,987	724	194,785	4,104	133,522			
TOTAL SCRAP-----										
	639,478	235,418	387,947	2,799	1,213,845	47,440	1,157,636			
PIG IRON-----										
RECEIPTS				PRODUCTION		CONSUMPTION		STOCKS		
281,972				--		259,591		815		
								249,641		

1/ BASED ON 92% 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 JULY 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		SCRAP		SCRAP		SCRAP	
	PIG IRON	PIG IRON	PIG IRON	PIG IRON	PIG IRON	PIG IRON	PIG IRON	PIG IRON
BLAST FURNACE 3/	383,606	--	--	--	--	--	383,606	--
BASIC OXYGEN PROCESS 4/	2,304,485	5,687,222	--	--	--	--	2,304,485	5,687,222
OPEN-HEARTH FURNACE	1,568,626	2,010,258	11,135	921	--	--	1,579,761	2,011,179
ELECTRIC FURNACE	2,140,536	82,838	158,979	2,452	269,593	14,633	2,569,108	99,923
CUPOLA FURNACE	42,575	21,154	18,997	451	827,042	94,266	888,614	115,871
OTHER (INCLUDING AIR FURNACE) 5/	60,157	47,114	2,665	587	117,210	4,594	180,032	52,295
DIRECT CASTINGS 6/	--	181,284	--	--	--	146,098	--	327,382
TOTAL	6,499,985	8,029,870	191,776	4,411	1,213,845	259,591	7,905,606	8,293,872

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 812,542 short tons in August compared with 553,343 tons in July. Exports of pig iron during August totaled 2,618 tons and 6,458 tons in July. Imports of scrap totaled 13,395 short tons in August compared with 13,396 tons in July. Of the scrap imported during August, 13,289 short tons came from Canada and 106 tons from other sources. Imports of pig iron totaled 43,234 short tons in August and 7,180 tons in July. In addition to the foregoing imports of pig iron during August, there were 1,401 tons of sponge iron, valued at \$63,612 imported, of which 1,380 tons came from Canada, and 21 tons from other countries.

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

Country	August 1974		Year to date	
	Short tons	Value	Short tons	Value
Argentina-----	13,613	\$1,817,568	84,783	\$7,322,949
Canada-----	96,882	6,228,390	664,760	34,410,905
China, People's Rep. of----	--	--	189,348	12,407,178
Greece-----	26,418	3,697,505	91,090	10,366,781
Italy-----	41,615	5,999,665	401,516	46,679,712
Japan-----	324,949	38,992,255	2,113,672	201,188,535
Korea, Republic of-----	54,308	6,526,255	560,159	59,845,801
Mexico-----	78,976	8,664,254	651,979	46,299,585
Spain-----	88,337	10,746,121	624,664	57,720,262
Taiwan-----	1,546	185,020	391,118	33,169,921
Thailand-----	--	--	32,244	2,989,876
Other Countries-----	85,898	11,525,546	351,581	40,708,898
Total-----	812,542	94,382,579	6,156,914	553,110,403

^{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	August 1974		Year to date	
	Short tons	Value	Short tons	Value
No. 1 heavy melting steel scrap-----	272,643	\$33,511,340	1,845,886	\$170,425,624
No. 2 heavy melting steel scrap-----	112,516	13,623,465	658,429	58,421,565
No. 1 bundles-----	14,914	2,040,725	47,876	4,232,414
No. 2 bundles-----	78,165	7,190,983	969,410	68,459,158
Borings, shovelings and turnings-----	29,822	2,129,668	355,588	21,081,530
Stainless steel-----	2,832	1,290,797	26,101	10,843,679
Shredded steel scrap-----	186,213	23,439,674	1,419,356	152,082,896
Iron scrap (excluding borings and shovelings)--	67,805	6,243,833	478,100	36,516,547
All other steel scrap ^{1/} ----	47,632	4,912,094	356,168	31,046,990
Total-----	812,542	94,382,579	6,156,914	553,110,403
Ships, boats, and other vessels for breaking up (for scrapping)-----	--	--	257,247	23,122,344
Total-----	812,542	94,382,579	6,414,161	576,232,747

^{1/} Includes tinplate and terneplate.