



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 JANUARY 1976

Returns from 88% of reporting consumers representing 98% of total scrap consumption, indicated that consumption of iron and steel scrap in January on a daily average basis was 13% above that in December, according to the Bureau of Mines, U.S. Department of the Interior. Compared with December data, daily average production and net receipts were up 7% and 13%, respectively, and stocks at the end of the month were down 2%.

Exports of ferrous scrap during the month were 6% above those for December 1975 and 7% below those for January 1975. The Republic of Korea was the largest importer of U.S. scrap, taking 21% of the total exported in January 1976. The next largest importers were Japan and Mexico, which received 13% and 12%, respectively.

The Iron Age composite price for No. 1 heavy melting steel scrap (Chicago, Pittsburgh, and Philadelphia) at the end of January was \$73.16 per gross ton, down 9% from the price of \$80.83 at the end of January 1975.

Pig iron production and consumption on a daily average basis during the month were both up 7% from those of the previous month. Stocks of pig iron increased 2% during January compared with those at the end of December 1975.

The percentage increase in total net receipts, production, consumption, and stocks of iron and steel scrap for 1975 resulting from the use of the new sampling panel is shown in table 12.

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

JANUARY 1976 (PRELIMINARY) 1/						FINAL TOTAL FOR MONTH OF DEC 1975 4/
MFRS. OF				TOTAL FOR MONTH OF JAN 1976		
PIG IRON AND STEEL INGOTS & CASTINGS 2/	MFRS. OF STEEL CASTINGS 3/	IRON FOUNDRIES AND MISCEL- LANEOUS USERS				
SCRAP:						
RECEIPTS FROM DEALERS AND OTHER SOURCES	1,691,313	147,047	875,008	2,713,368		2,516,415
RECEIPTS FROM OTHER OWN COMPANY PLANTS-	347,552	7,360	331,545	686,457		602,381
PRODUCTION RECIRCULATING SCRAP-----	3,083,678	81,452	386,864	3,551,994		3,396,508
PRODUCTION OBSOLETE SCRAP-----	188,252	2,397	3,173	193,822		108,575
CONSUMPTION-----	5,179,136	245,412	1,491,396	6,915,944		6,133,309
SHIPMENTS-----	307,578	4,385	21,121	333,084		393,392
STOCKS END OF MONTH-----	7,377,326	234,137	1,105,407	8,716,870		8,860,463
PIG IRON:						
RECEIPTS-----	443,191	3,749	232,779	679,719		588,820
PRODUCTION-----	6,644,188	--	--	6,644,188		6,233,531
CONSUMPTION-----	6,449,131	3,661	222,273	6,675,065		6,209,734
SHIPMENTS-----	619,990	--	669	620,659		556,256
STOCKS END OF MONTH-----	1,289,631	7,658	155,297	1,452,586		1,426,522
DIRECT-REDUCED OR PREREDUCED IRON:						
RECEIPTS-----	--	--	--	W		5/34,432
PRODUCTION-----	--	--	--	--		6/
CONSUMPTION-----	--	--	--	W		34,419
SHIPMENTS-----	--	--	--	--		--
STOCKS END OF MONTH-----	--	--	--	W		272

1/ BASED ON RETURNS FROM 88% OF REPORTING CONSUMERS, REPRESENTING 98% 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 84% OF REPORTING CONSUMERS, REPRESENTING 97% OF SCRAP CONSUMPTION.
5/ RECEIPTS AND PRODUCTION COMBINED.
6/ INCLUDED IN RECEIPTS.
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, JANUARY 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 RECYCLATING SCRAP (INCLUDES INGOT MOLDS, STOOLS, HOME SCRAP AND SCRAP FROM CURRENT OLD EQUIPMENT, CIRCULATING OPERATIONS BUILDINGS, ETC.)	RECYCLATING SCRAP (INCLUDES INGOT MOLDS, STOOLS, HOME SCRAP AND SCRAP FROM CURRENT OLD EQUIPMENT, CIRCULATING OPERATIONS BUILDINGS, ETC.)	RECYCLATING SCRAP (INCLUDES INGOT MOLDS, STOOLS, HOME SCRAP AND SCRAP FROM CURRENT OLD EQUIPMENT, CIRCULATING OPERATIONS BUILDINGS, ETC.)	RECYCLATING SCRAP (INCLUDES INGOT MOLDS, STOOLS, HOME SCRAP AND SCRAP FROM CURRENT OLD EQUIPMENT, CIRCULATING OPERATIONS BUILDINGS, ETC.)	RECYCLATING SCRAP (INCLUDES INGOT MOLDS, STOOLS, HOME SCRAP AND SCRAP FROM CURRENT OLD EQUIPMENT, CIRCULATING OPERATIONS BUILDINGS, ETC.)	RECYCLATING SCRAP (INCLUDES INGOT MOLDS, STOOLS, HOME SCRAP AND SCRAP FROM CURRENT OLD EQUIPMENT, CIRCULATING OPERATIONS BUILDINGS, ETC.)		
SCRAP:										
CARBON STEEL-										
LOW-PHOSPHORUS PLATE AND PUNCHINGS----	60,170	263	11,212	--	77,633	1,244	100,196			
CUT STRUCTURAL AND PLATE-----	17,812	391	56,231	1,818	63,561	3,941	119,106			
NO.1 HEAVY MELTING STEEL-----	329,631	172,100	1,305,694	5,116	1,815,839	150,287	2,274,010			
NO.2 HEAVY MELTING STEEL-----	149,793	14,452	87,843	291	279,391	6,462	409,255			
NO.1 AND ELECTRIC FURNACE BUNDLES----	411,661	31,130	208,518	1,741	662,000	557	1,067,851			
NO.2 AND ALL OTHER BUNDLES-----	120,265	6,216	43,508	--	180,991	3,703	332,897			
ELECTRIC FURNACE 1 FOOT AND UNDER (NOT BUNDLES)-----	12,933	--	6,254	--	14,774	--	14,238			
RAILROAD RAILS-----	--	--	287	--	2,235	--	2,758			
TURNINGS AND BORINGS-----	65,327	6,931	30,452	80	98,811	7,058	76,802			
SLAG SCRAP (FE CONTENT 70 PERCENT)----	115,332	5,547	178,144	--	298,719	4,602	260,124			
SHREDDED OR FRAGMENTIZED-----	128,497	30,232	1,111	--	151,130	1,213	162,185			
ALL OTHER CARBON STEEL SCRAP-----	176,060	6,205	841,740	2,746	965,316	62,122	787,511			
STAINLESS STEEL SCRAP-----										
ALLOY STEEL (EXCEPT STAINLESS)-----	25,420	2,391	43,875	8	81,703	2,667	112,428			
INGOT MOLD AND STOOL SCRAP-----	10,026	16,074	117,705	596	132,023	7,076	320,264			
MACHINERY AND CUPOLA CAST IRON -----	6,518	32,511	63,040	172,933	199,200	35,193	955,294			
CAST IRON BORINGS-----	--	--	--	--	--	--	254			
MOTOR BLOCKS-----	17,841	9,911	38,238	569	55,050	3,145	97,190			
OTHER IRON SCRAP-----	722	--	--	--	1,048	--	179			
OTHER MIXED SCRAP-----	34,991	9,826	38,043	2,308	82,454	15,014	155,639			
	8,314	3,372	11,783	46	17,258	3,294	129,145			
TOTAL SCRAP-----	1,691,313	347,552	3,083,678	188,252	5,179,136	307,578	7,377,326			
TOTAL SCRAP THROUGH JANUARY 1976----	1,691,313	347,552	3,083,678	188,252	5,179,136	307,578	7,377,326			
PIG IRON-----										
RECEIPTS										
PRODUCTION										
CONSUMPTION										
SHIPMENTS										
STOCKS										
PIG IRON THROUGH JANUARY 1976-----										
443,191										
6,644,188										
6,644,131										
619,990										
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6,644,188										
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1,289,631										

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 3. - MANUFACTURERS OF STEEL CASTINGS 1/ - RECEIPTS, PRODUCTION, CONSUMPTION, SHIPMENTS AND STOCKS OF PIG IRON AND IRON AND STEEL SCRAP, BY GRADE, JANUARY 1976 (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	FROM OTHER RESULTING FROM CURRENT OPERATIONS	RECYCLATING SCRAP (INCLUDES INGOT MOLDS, STOOLS, AND SCRAP FROM OLD EQUIPMENT, BUILDINGS, ETC.)	OBSOLETE SCRAP FROM CURRENT OPERATIONS	SCRAP FROM OLD EQUIPMENT, BUILDINGS, ETC.)	OF BOTH PUR- CHASED AND HOME SCRAP			
							SHIPMENTS	CONSUMPTION	STOCKS	
SCRAP:										
CARBON STEEL-										
LOW-PHOSPHORUS PLATE AND PUNCHINGS---	45,058	204	16,631	67	69,479	68,123	--			
CUT STRUCTURAL AND PLATE-----	14,843	2,748	1,801	--	21,582	19,896	63			
NO.1 HEAVY MELTING STEEL-----	15,643	518	5,683	--	17,567	32,728	--			
NO.2 HEAVY MELTING STEEL-----	2,241	--	652	--	3,523	2,851	--			
NO.1 AND ELECTRIC FURNACE BUNDLES---	4,736	180	--	--	4,942	5,652	--			
NO.2 AND ALL OTHER BUNDLES-----	859	--	--	--	805	869	--			
ELECTRIC FURNACE 1 FOOT AND UNDER (NOT BUNDLES)-----	4,535	34	953	--	5,268	4,349	34			
RAILROAD RAILS-----	16	--	--	--	32	280	--			
TURNINGS AND BORINGS-----	2,707	24	2,515	--	6,423	7,423	744			
SLAG SCRAP (FE CONTENT 70 PERCENT)---	491	--	697	--	1,157	32	36			
SHREDDED OR FRAGMENTIZED-----	8,483	--	--	--	7,666	5,987	--			
ALL OTHER CARBON STEEL SCRAP-----	33,117	1,910	30,867	1,562	72,392	36,406	--			
STAINLESS STEEL SCRAP-----	1,783	555	3,438	--	5,369	5,692	204			
ALLOY STEEL (EXCEPT STAINLESS)-----	4,244	1,072	10,015	--	12,859	16,099	3,043			
INGOT MOLD AND STOOL SCRAP-----	749	--	44	--	462	1,706	44			
MACHINERY AND CUPOLA CAST IRON -----	224	--	461	--	895	1,047	--			
CAST IRON BORINGS-----	2,769	88	2,411	--	5,802	3,736	--			
MOTOR BLOCKS-----	117	--	--	--	112	189	--			
OTHER IRON SCRAP-----	4,059	27	4,812	768	8,508	20,722	217			
OTHER MIXED SCRAP-----	373	--	472	--	569	350	--			
TOTAL SCRAP-----	147,047	7,360	81,452	2,397	245,412	234,137	4,385			
TOTAL SCRAP THROUGH JANUARY 1976---	147,047	7,360	81,452	2,397	245,412	234,137	4,385			
PIG IRON-----	RECEIPTS			PRODUCTION			CONSUMPTION			STOCKS
	3,749	--	--	--	3,661	--	--	--	7,658	
PIG IRON THROUGH JANUARY 1976-----	3,749	--	--	--	3,661	--	--	--	7,658	
1/ EXCLUDES COMPANIES THAT PRODUCE BOTH STEEL INGOTS AND CASTINGS. 95% OF SCRAP CONSUMPTION.										
// BASED ON RETURNS FROM 89 % OF REPORTING CONSUMERS, REPRESENTING										

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

2/ BASED ON RETURNS FROM 89% OF REPORTING CONSUMERS, REPRESENTING 95% 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, JANUARY 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	FROM RECYCLATING OBSOLETE SCRAP (INCLUDES INGOT MOLDS, STTOOLS, HOME SCRAP AND SCRAP FROM (INCLUDES RE-OLD EQUIPMENT, CIRCULATING SCRAP)	RESULTING FROM CURRENT OPERATIONS BUILDINGS, ETC.)	RE-CHASED AND	HOME SCRAP	SHIPMENTS	CONSUMPTION		
SCRAP:										
CARBON STEEL-										
LOW-PHOSPHORUS PLATE AND PUNCHINGS---	128,325	127,590	8,932	27	152,022	252	267,142			
CUT STRUCTURAL AND PLATE-----	98,875	7,098	7,068	1,286	119,133	69	81,246			
NO.1 HEAVY MELTING STEEL-----	27,178	7,807	3,319	--	35,957	3,184	30,517			
NO.2 HEAVY MELTING STEEL-----	4,154	414	1,921	18	7,953	--	10,816			
NO.1 AND ELECTRIC FURNACE BUNDLES---	13,901	12,775	3,475	47	30,553	350	8,946			
NO.2 AND ALL OTHER BUNDLES-----	21,617	3,475	1,124	--	29,582	--	26,353			
ELECTRIC FURNACE 1 FOOT AND UNDER (NOT BUNDLES)-----	18,831	14,574	896	--	31,011	--	9,680			
RAILROAD RAILS-----	7,791	--	24	--	7,702	24	10,303			
TURNINGS AND BORINGS-----	49,325	7,012	-514	328	60,178	1,108	70,620			
SLAG SCRAP (FE CONTENT 70 PERCENT)---	1,183	--	44	--	473	--	6,397			
SHREDDER OR FRAGMENTIZED-----	59,658	291	2,223	--	64,471	--	22,273			
ALL OTHER CARBON STEEL SCRAP-----	117,392	8,398	6,923	--	140,418	525	109,501			
STAINLESS STEEL SCRAP-----	1,032	3	279	1	2,694	28	8,658			
ALLOY STEEL (EXCEPT STAINLESS)-----	7,189	24	519	95	8,791	91	27,656			
INGOT MOLD AND STOOL SCRAP-----	9,924	112	2,312	387	13,414	664	21,412			
MACHINERY AND CUPOLA CAST IRON -----	71,075	4,453	47,770	427	124,463	4,162	73,928			
CAST IRON BORINGS-----	39,206	57,200	21,503	45	113,902	3,779	71,199			
MOTOR BLOCKS-----	44,720	907	27,037	--	76,604	--	49,990			
OTHER IRON SCRAP-----	121,898	7,932	231,589	294	346,857	6,498	166,083			
OTHER MIXED SCRAP-----	31,734	71,480	20,420	218	125,218	387	32,687			
TOTAL SCRAP-----	875,008	331,545	386,864	3,173	1,491,396	21,121	1,105,407			
TOTAL SCRAP THROUGH JANUARY 1976---	875,008	331,545	386,864	3,173	1,491,396	21,121	1,105,407			
PIG IRON-----										
	232,779	--	--	--	222,273	669	155,297			
PIG IRON THROUGH JANUARY 1976-----	232,779	--	--	--	222,273	669	155,297			
1/ BASED ON RETURNS FROM 82% OF REPORTING CONSUMERS, REPRESENTING 92% OF SCRAP CONSUMPTION.										

TABLE 5. - CONSUMPTION OF IRON AND STEEL SCRAP AND PIG IRON IN THE UNITED STATES
IN JANUARY 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	PIG IRON	SCRAP	PIG IRON	SCRAP	PIG IRON	SCRAP	PIG IRON
BLAST FURNACE 3/-	232,069	--	--	--	--	--	232,069	--
BASIC OXYGEN PROCESS 4/-	2,081,123	5,121,578	--	--	--	--	2,081,123	5,121,578
OPEN-HEARTH FURNACE	887,670	1,108,662	6,492	364	--	--	894,162	1,109,026
ELECTRIC FURNACE	1,859,881	54,734	224,759	2,714	341,274	15,764	2,425,914	73,212
CUPOLA FURNACE	60,909	18,105	11,736	178	1,052,709	87,810	1,125,354	106,093
OTHER (INCLUDING AIR FURNACE) 5/	57,484	29,948	2,425	405	97,413	3,571	157,322	33,924
DIRECT CASTINGS 6/-	--	116,104	--	--	--	115,128	--	231,232
TOTAL	5,179,136	6,449,131	245,412	3,661	1,491,396	222,273	6,915,944	6,675,065

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, DECEMBER 1975 (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 INGOT CHASED AND MOLDS, STTOOLS, HOME SCRAP AND SCRAP FROM (INCLUDES RE-OLD EQUIPMENT, CIRCULATING SCRAP)	FROM SCRAP (INCLUDES INGOT CHASED AND MOLDS, STTOOLS, HOME SCRAP AND SCRAP FROM (INCLUDES RE-OLD EQUIPMENT, CIRCULATING SCRAP)	FROM SCRAP (INCLUDES INGOT CHASED AND MOLDS, STTOOLS, HOME SCRAP AND SCRAP FROM (INCLUDES RE-OLD EQUIPMENT, CIRCULATING SCRAP)	FROM SCRAP (INCLUDES INGOT CHASED AND MOLDS, STTOOLS, HOME SCRAP AND SCRAP FROM (INCLUDES RE-OLD EQUIPMENT, CIRCULATING SCRAP)	FROM SCRAP (INCLUDES INGOT CHASED AND MOLDS, STTOOLS, HOME SCRAP AND SCRAP FROM (INCLUDES RE-OLD EQUIPMENT, CIRCULATING SCRAP)	FROM SCRAP (INCLUDES INGOT CHASED AND MOLDS, STTOOLS, HOME SCRAP AND SCRAP FROM (INCLUDES RE-OLD EQUIPMENT, CIRCULATING SCRAP)	FROM SCRAP (INCLUDES INGOT CHASED AND MOLDS, STTOOLS, HOME SCRAP AND SCRAP FROM (INCLUDES RE-OLD EQUIPMENT, CIRCULATING SCRAP)	
SCRAP:										
CARBON STEEL -										
LOW-PHOSPHORUS PLATE AND PUNCHINGS---	48,415	534	2,009	1	41,970	--	105,673			
CUT STRUCTURAL AND PLATE-----	10,181	15	13,161	548	27,022	4,125	20,164			
NO.1 HEAVY MELTING STEEL-----	280,471	161,806	1,283,449	4,862	1,664,679	144,377	2,504,118			
NO.2 HEAVY MELTING STEEL-----	109,379	8,396	75,376	255	227,622	5,558	462,493			
NO.1 AND ELECTRIC FURNACE BUNDLES---	457,640	39,812	205,883	1,869	631,661	18,054	1,082,487			
NO.2 AND ALL OTHER BUNDLES-----	154,716	5,188	23,165	100	164,088	17,240	352,581			
ELECTRIC FURNACE 1 FOOT AND UNDER (NOT BUNDLES)-----	7,580	--	5,425	--	13,968	566	9,553			
RAILROAD RAILS-----	8	--	92	--	1,170	6,030	5,237			
TURNINGS AND BORINGS-----	66,745	8,548	27,775	--	98,433	8,913	77,225			
SLAG SCRAP (FE CONTENT 70 PERCENT)---	121,861	4,251	220,192	--	324,338	4,357	259,342			
SHREDDER OR FRAGMENTIZED-----	81,340	38,132	--	--	120,869	--	169,448			
ALL OTHER CARBON STEEL SCRAP-----	155,939	4,611	715,273	2,935	819,026	53,725	754,439			
STAINLESS STEEL SCRAP-----	21,255	2,442	67,426	26	85,668	12,781	157,650			
ALLOY STEEL (EXCEPT STAINLESS)-----	11,134	17,013	114,323	319	126,504	6,691	309,693			
INGOT MOLD AND STUOL SCRAP-----	30,523	19,911	77,403	87,975	118,136	39,193	794,482			
MACHINERY AND CUPOLA CAST IRON 3/-----	347	--	772	--	124	--	6,033			
CAST IRON BORINGS-----	16,012	33,691	43,298	2,049	80,767	4,412	197,844			
MOTOR BLOCKS-----	1,129	--	--	--	898	--	585			
OTHER IRON SCRAP-----	33,223	4,534	58,892	3,068	60,201	37,099	185,271			
OTHER MIXED SCRAP-----	10,808	3,676	10,871	50	23,046	3,118	126,702			
TOTAL SCRAP-----	1,618,706	352,560	2,944,785	104,057	4,630,190	366,239	7,581,020			
TOTAL SCRAP THROUGH DECEMBER 1975---	22,686,952	5,026,308	38,240,834	1,691,147	62,559,688	4,442,773	7,581,020			
PIG IRON-----										
PIG IRON THROUGH DECEMBER 1975-----										

1/ INCLUDES ONLY THOSE MANUFACTURERS OF STEEL CASTINGS THAT ALSO PRODUCE INGOTS.
2/ BASED ON RETURNS FROM 95% OF REPORTING CONSUMERS, REPRESENTING 99% OF SCRAP CONSUMPTION.
3/ FORMERLY 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, DECEMBER 1975 (FINAL) 2/ (SHORT TONS)

ITEM	RECEIPTS OF SCRAP			PRODUCTION OF HOME SCRAP			CONSUMPTION OF BOTH PURCHASED AND RECYCLATING OBSOLETE SCRAP (INCLUDES INGOT CHASED AND MOLD, STOLS, HOME SCRAP AND SCRAP FROM (INCLUDES RE-OLD EQUIPMENT, CIRCULATING OF SCRAP OPERATIONS BUILDINGS, ETC.)			ENDING STOCKS
	FROM BROKERS, DEALERS AND OTHER OUTSIDE SOURCES	FROM OTHER OWN COMPANY PLANTS	FROM RECYCLATING OBSOLETE SCRAP (INCLUDES INGOT CHASED AND MOLD, STOLS, HOME SCRAP AND SCRAP FROM (INCLUDES RE-OLD EQUIPMENT, CIRCULATING OF SCRAP OPERATIONS BUILDINGS, ETC.)	FROM RECYCLATING OBSOLETE SCRAP (INCLUDES INGOT CHASED AND MOLD, STOLS, HOME SCRAP AND SCRAP FROM (INCLUDES RE-OLD EQUIPMENT, CIRCULATING OF SCRAP OPERATIONS BUILDINGS, ETC.)	FROM RECYCLATING OBSOLETE SCRAP (INCLUDES INGOT CHASED AND MOLD, STOLS, HOME SCRAP AND SCRAP FROM (INCLUDES RE-OLD EQUIPMENT, CIRCULATING OF SCRAP OPERATIONS BUILDINGS, ETC.)	FROM RECYCLATING OBSOLETE SCRAP (INCLUDES INGOT CHASED AND MOLD, STOLS, HOME SCRAP AND SCRAP FROM (INCLUDES RE-OLD EQUIPMENT, CIRCULATING OF SCRAP OPERATIONS BUILDINGS, ETC.)	FROM RECYCLATING OBSOLETE SCRAP (INCLUDES INGOT CHASED AND MOLD, STOLS, HOME SCRAP AND SCRAP FROM (INCLUDES RE-OLD EQUIPMENT, CIRCULATING OF SCRAP OPERATIONS BUILDINGS, ETC.)	FROM RECYCLATING OBSOLETE SCRAP (INCLUDES INGOT CHASED AND MOLD, STOLS, HOME SCRAP AND SCRAP FROM (INCLUDES RE-OLD EQUIPMENT, CIRCULATING OF SCRAP OPERATIONS BUILDINGS, ETC.)	FROM RECYCLATING OBSOLETE SCRAP (INCLUDES INGOT CHASED AND MOLD, STOLS, HOME SCRAP AND SCRAP FROM (INCLUDES RE-OLD EQUIPMENT, CIRCULATING OF SCRAP OPERATIONS BUILDINGS, ETC.)	
SCRAP:										
CARBON STEEL -										
LOW-PHOSPHORUS PLATE AND PUNCHINGS -	61,029	306	17,075	506	65,491	--	--	--	--	73,321
CUT STRUCTURAL AND PLATE -	22,431	1,830	1,301	--	21,252	44	44	44	44	20,284
NO.1 HEAVY MELTING STEEL -	15,238	444	5,926	--	16,555	80	80	80	80	30,555
NO.2 HEAVY MELTING STEEL -	2,488	--	587	--	2,256	--	--	--	--	3,481
NO.1 AND ELECTRIC FURNACE BUNDLES -	4,390	180	--	--	4,384	--	--	--	--	4,784
NO.2 AND ALL OTHER BUNDLES -	969	--	--	--	1,033	--	--	--	--	766
ELECTRIC FURNACE 1 FOOT AND UNDER (NOT BUNDLES) -	4,469	174	916	--	5,950	32	32	32	32	5,663
RAILROAD RAILS -	402	--	--	--	514	--	--	--	--	693
TURNINGS AND BORINGS -	3,364	44	2,312	--	5,135	858	858	858	858	9,300
SLAG SCRAP (FE CONTENT 70 PERCENT) -	563	--	598	--	1,158	18	18	18	18	37
SHREDDER OR FRAGMENTIZED -	8,430	--	--	--	6,533	--	--	--	--	5,248
ALL OTHER CARBON STEEL SCRAP -	35,140	1,799	27,246	1,029	63,753	84	84	84	84	42,157
STAINLESS STEEL SCRAP -										
ALLOY STEEL (EXCEPT STAINLESS) -	2,134	514	3,025	--	5,119	224	224	224	224	5,138
INGOT MOLD AND STUOL SCRAP -	6,553	1,166	9,854	--	14,304	2,272	2,272	2,272	2,272	17,144
MACHINERY AND CUPOLA CAST IRON 3/ -	296	--	--	--	209	--	--	--	--	1,090
CAST IRON BORINGS -	2,557	--	899	--	2,736	--	--	--	--	3,736
MOTOR BLOCKS -	3,308	83	2,937	--	4,694	9	9	9	9	4,518
OTHER IRON SCRAP -	1,223	--	--	--	1,032	--	--	--	--	1,820
OTHER MIXED SCRAP -	6,526	--	6,682	233	13,441	147	147	147	147	24,617
	206	--	444	--	770	--	--	--	--	135
TOTAL SCRAP -	181,716	6,540	79,802	1,768	236,319	3,854	3,854	3,854	3,854	254,487
TOTAL SCRAP THROUGH DECEMBER 1975 -	2,053,768	77,917	1,074,326	18,236	3,171,232	64,173	64,173	64,173	64,173	254,487
PIG IRON -										
	3,223	--	--	--	3,792	24	24	24	24	7,989
PIG IRON THROUGH DECEMBER 1975 -	51,718	--	--	--	57,959	870	870	870	870	7,989

1/ EXCLUDES COMPANIES THAT PRODUCE BOTH STEEL INGOTS AND CASTINGS.
2/ BASED ON RETURNS FROM 85% OF REPORTING CONSUMERS, REPRESENTING 93% OF SCRAP CONSUMPTION.
3/ FORMERLY 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, DECEMBER 1975 (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	RECYCLATING OBSOLETE SCRAP (INCLUDES INGOT MOLD, STOOLES, HOME SCRAP AND SCRAP FROM (INCLUDES RE-OLD EQUIPMENT, CIRCULATING OF SCRAP OPERATIONS BUILDINGS, ETC.)	RESULTING FROM CURRENT OPERATIONS	OF BOTH PURCHASED AND	SHIPMENTS OF SCRAP	
SCRAP:							
CARBON STEEL-							
LOW-PHOSPHORUS PLATE AND PUNCHINGS---	121,930	8,399	7,003	20	71,622	871	154,016
CUT STRUCTURAL AND PLATE-----	90,524	7,593	7,662	1,316	108,802	948	91,509
NO.1 HEAVY MELTING STEEL-----	24,050	10,963	2,923	1	35,886	3,229	31,183
NO.2 HEAVY MELTING STEEL-----	4,262	2,999	1,496	39	9,778	--	13,997
NO.1 AND ELECTRIC FURNACE BUNDLES---	7,623	11,096	2,463	31	23,522	180	8,751
NO.2 AND ALL OTHER BUNDLES-----	20,395	2,021	832	--	28,044	--	29,893
ELECTRIC FURNACE 1 FOOT AND UNDER (NOT BUNDLES)-----	14,817	10,013	1,050	--	25,625	621	6,293
RAILROAD RAILS-----	5,377	--	24	--	5,793	24	9,074
TURNINGS AND BORINGS-----	34,027	9,980	566	279	45,932	1,350	79,539
SLAG SCRAP (FE CONTENT 70 PERCENT)---	3,396	--	35	--	889	35	6,814
SHREDDED OR FRAGMENTIZED-----	47,021	299	566	--	49,715	--	21,771
ALL OTHER CARBON STEEL SCRAP-----	63,481	49,782	6,047	--	125,110	729	118,599
STAINLESS STEEL SCRAP-----							
ALLUOY STEEL (EXCEPT STAINLESS)---	2,323	3	217	--	1,804	40	14,938
INGOT MOLD AND STUOL SCRAP-----	5,395	21	784	110	9,332	270	24,767
MACHINERY AND CUPOLA CAST IRON 2/---	8,603	80	3,084	318	13,255	439	22,922
CAST IRON BORINGS-----	66,819	5,420	47,559	121	113,582	4,088	75,705
MOTOR BLOCKS-----	39,262	52,967	18,787	13	106,893	3,277	71,950
OTHER IRON SCRAP-----	38,102	1,416	25,816	--	62,289	547	49,752
OTHER MIXED SCRAP-----	82,734	5,415	226,535	285	305,016	6,247	159,505
	35,852	64,814	18,472	217	123,911	404	33,978
TOTAL SCRAP-----	715,993	243,281	371,921	2,750	1,266,800	23,299	1,024,956
TOTAL SCRAP THROUGH DECEMBER 1975---	8,796,372	2,825,273	4,834,269	50,747	16,360,351	289,252	1,024,956
PIG IRON-----							
	190,500	--	--	--	189,348	635	152,100
PIG IRON THROUGH DECEMBER 1975-----	2,610,708	--	--	--	2,759,708	18,433	152,100
1/ BASED ON RETURNS FROM 80% OF REPORTING CONSUMERS, REPRESENTING 90% OF SCRAP CONSUMPTION.							
2/ FORMERLY INCLUDED IN OTHER MIXED SCRAP.							

TABLE 9. - CONSUMPTION OF IRON AND STEEL SCRAP AND PIG IRON IN THE UNITED STATES
IN DECEMBER 1975 (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		SCRAP		SCRAP	
BLAST FURNACE 3/	233,834	--	--	--	--	--	--	--	233,834	--
BASIC OXYGEN PROCESS 4/	1,883,660	4,662,613	--	--	--	--	--	--	1,883,660	4,662,613
OPEN-HEARTH FURNACE	783,520	1,125,859	--	--	5,552	351	--	--	789,072	1,126,210
ELECTRIC FURNACE	1,638,171	55,798	210,490	2,575	210,490	2,575	332,525	15,575	2,181,186	73,948
CUPOLA FURNACE	34,774	18,636	17,820	400	17,820	400	853,136	82,281	905,730	101,317
OTHER (INCLUDING AIR FURNACE) 5/	56,231	26,786	2,457	466	2,457	466	81,139	4,034	139,827	31,286
DIRECT CASTINGS 6/	--	126,902	--	--	--	--	--	87,458	--	214,360
TOTAL	4,630,190	6,016,594	236,319	3,792	236,319	3,792	1,266,800	189,348	6,133,309	6,209,734

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 HOLDS AND STOOLS.

Exports of iron and steel scrap totaled 662,967 short tons in January compared with 623,476 tons in December. Exports of pig iron during January totaled 6,396 tons and 2,513 tons in December. Imports of scrap totaled 72,062 short tons in January compared with 33,503 tons in December. Of the scrap imported during January, 20,088 short tons came from Canada and 51,974 tons from other sources. Imports of pig iron totaled 42,194 short tons in January and 30,845 tons in December. No sponge iron was imported in January.

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

Country	January 1976		Year to date	
	Short tons	Value	Short tons	Value
Canada-----	44,054	\$3,103,372	44,054	\$3,103,372
China, People's Rep. of-----	51,243	4,191,047	51,243	4,191,047
Greece-----	20,186	1,196,420	20,186	1,196,420
Italy-----	80,076	6,234,419	80,076	6,234,419
Japan-----	86,338	7,250,569	86,338	7,250,569
Korea, Republic of-----	137,963	7,934,753	137,963	7,934,753
Mexico-----	81,498	6,299,707	81,498	6,299,707
Spain-----	77,054	4,526,452	77,054	4,526,452
Sweden-----	4,022	1,652,806	4,022	1,652,806
Taiwan-----	8,609	582,728	8,609	582,728
Other countries-----	71,924	5,442,174	71,924	5,442,174
Total-----	662,967	48,414,447	662,967	48,414,447

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	January 1976		Year to date	
	Short tons	Value	Short tons	Value
No. 1 heavy melting steel scrap-----	220,360	\$15,512,419	220,360	\$15,512,419
No. 2 heavy melting steel scrap-----	65,752	4,347,808	65,752	4,347,808
No. 1 bundles-----	6,320	448,872	6,320	448,872
No. 2 bundles-----	28,809	1,728,494	28,809	1,728,494
Borings, shovelings and turnings-----	30,819	1,275,204	30,819	1,275,204
Stainless steel-----	8,171	3,353,825	8,171	3,353,825
Shredded steel scrap-----	197,323	12,891,320	197,323	12,891,320
Iron scrap (excluding borings and shovelings)---	55,987	4,291,506	55,987	4,291,506
All other steel scrap <u>1/</u> ----	49,426	4,564,999	49,426	4,564,999
Total-----	662,967	48,414,447	662,967	48,414,447
Ships, boats, and other vessels for breaking up (for scrapping)-----	21	3,119	21	3,119
Total-----	662,988	48,417,566	662,988	48,417,566

1/ Includes tinplate and terneplate.

Table 12.--Percentage increase in scrap totals for 1975
resulting from use of new sampling panel
(No change in manufacturers of pig iron
and steel ingots and castings)

	Manufacturers of steel castings	Iron foundries and miscellaneous users	Total, all types of manufacturer
Net receipts-	6.1	11.6	3.7
Production---	4.4	14.4	1.5
Consumption--	5.5	12.5	2.5
Stocks-----	6.0	7.8	1.0