



MINERAL INDUSTRY SURVEYS

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

WASHINGTON, D. C. 20240



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Iron and Steel Scrap, Monthly

IRON AND STEEL SCRAP IN JULY 1970

Production, receipts, and consumption of iron and steel scrap decreased slightly in July compared with the previous month, according to the Bureau of Mines, U.S. Department of the Interior. Production and receipts decreased 4 percent, and consumption was off 8 percent compared with June. Shipments and end-of-month stocks showed an increase for the month, registering gains of 9 percent and 5 percent, respectively.

Exports of iron and steel scrap increased during the month, with Japan acquiring more than half the total quantity exported. Spain, Korea, Italy, and Mexico obtained significant quantities. No. 1 Heavy Melting Scrap continued to be the major item exported in terms of tonnage and value.

The composite price of No. 1 Heavy Melting iron and steel scrap (Chicago, Pittsburgh, Philadelphia) was \$39.83 per gross ton at the end of July. This compares to \$41.71 per ton on June 30, and \$31.10 per ton one year ago. No. 2 bundles ranged from \$26.00 per gross ton in Chicago to a high of \$30.00 per ton in Pittsburgh.

Pig iron production, consumption, and shipments continued to decline in July. Receipts were nearly 6 percent higher, and end-of-month stocks showed a 7-percent gain. Volume of consumption of all categories was lower than July 1969.

Prepared in Twin Cities Mineral Supply Field Office, October 27, 1970

TABLE 1. - U.S. receipts, production, consumption, shipments and stocks of iron and steel scrap and pig iron, by type of manufacturer, July 1970
(Short tons)

	Mfgs. of steel ingots and castings 1/	Mfgs. of steel castings 2/	Iron foundries and miscel- laneous users	Total	Total Year to date 3/
SCRAP:					
Receipts -----	2,673,695	146,483	568,904	3,389,082	23,975,152
Production -----	3,896,314	75,296	391,145	4,362,755	31,472,404
Consumption by grades:					
Carbon steel-					
Low phosphorous plate and punchings-	33,451	46,352	55,341	135,144	1,126,993
Cut structural and plate -----	56,377	14,725	45,304	116,406	905,479
No. 1 heavy melting steel -----	2,094,554	17,812	12,528	2,124,894	16,510,783
No. 2 heavy melting steel -----	245,127	309	15,898	261,334	1,902,050
No. 1 and electric furnace bundles--	422,843	4,607	25,189	452,639	3,677,481
No. 2 and all other bundles -----	303,664	2,129	33,543	339,336	2,386,485
Turnings and borings -----	156,343	5,154	43,982	205,479	1,730,927
Slag scrap (Fe content) -----	293,231	375	1,049	294,655	1,922,590
Shredded or fragmented -----	56,020	2,374	7,044	65,438	498,233
All other carbon steel scrap -----	1,266,894	67,897	110,370	1,445,161	10,354,967
Stainless steel -----	49,756	1,720	99	51,575	490,110
Alloy steel (except stainless) -----	189,641	12,284	8,462	210,387	1,731,484
Cast iron (include borings) -----	467,193	18,812	523,171	1,009,176	7,928,034
Other grades of scrap -----	45,425	10,626	40,243	96,294	684,721
Total consumption -----	5,680,519	205,176	922,223	6,807,918	51,850,337
Shipments -----	564,843	3,784	23,793	592,420	3,400,132
Stocks end of month -----	5,583,216	253,025	820,981	6,657,222	-
PIG IRON:					
Receipts -----	461,134	8,392	228,286	697,812	4,541,686
Production -----	7,454,767	-	-	7,454,767	53,395,298
Consumption -----	7,195,514	7,889	213,247	7,416,650	53,236,563
Shipments -----	616,031	68	475	616,574	4,476,667
Stocks end of month -----	1,700,207	13,043	210,552	1,923,802	-

1/ Includes only those castings made by companies producing steel ingots.

2/ Excludes companies that produce both steel ingots and castings.

3/ Year to date totals may not agree with a summation of prior monthly totals due to revisions after publications of monthly data.

TABLE 2. - U.S. salient iron and steel scrap and pig iron statistics, July 1970
(Short tons)

State	Receipts	Production	Consumption	Shipments	Stocks end of month	Pig iron consumption
Ala. -----	128,408	157,820	258,613	18,743	204,165	313,873
Ariz. -----	W	W	W	W	W	-
Ark. -----	W	-	W	-	W	-
Calif. -----	134,909	105,704	229,330	11,825	205,915	199,301
Colo. -----	W	W	W	-	W	W
Conn. -----	4,657	3,572	7,862	221	15,748	1,105
Del. -----	W	W	W	W	W	-
Fla. -----	W	W	W	-	W	W
Ga. -----	W	W	W	W	W	-
Ill. -----	414,876	359,050	700,929	37,444	685,319	596,306
Ind. -----	240,868	709,391	805,695	73,076	805,555	1,189,460
Iowa -----	24,881	8,588	34,287	W	35,609	1,182
Kans. -----	2,941	1,943	2,849	W	4,723	212
Ky. -----	54,761	75,702	102,473	12,764	134,534	W
La. -----	W	W	W	W	W	-
Maine -----	W	W	W	-	W	W
Md. -----	60,285	W	263,035	W	266,181	W
Mass. -----	1,981	2,584	4,725	W	4,130	952
Mich. -----	331,193	350,459	679,780	23,200	414,728	613,693
Minn. -----	22,136	18,312	38,814	W	54,511	42,952
Miss. -----	W	W	W	-	W	-
Mo. -----	65,013	22,933	91,514	W	155,534	838
Mont. -----	W	W	W	W	W	W
Nebr. -----	W	W	W	W	W	W
Nev. -----	W	-	W	-	W	W
N. H. -----	W	W	W	-	W	W
N. J. -----	34,662	9,485	42,364	508	63,211	4,186
N. Y. -----	77,248	165,353	214,377	22,703	301,324	393,830
N. C. -----	6,472	1,121	10,494	-	16,309	W
Ohio -----	567,770	716,549	1,103,132	134,450	917,659	1,174,884
Okla. -----	19,464	4,124	15,648	-	32,729	W
Oreg. -----	15,591	4,423	18,158	W	19,067	W
Pa. -----	728,648	952,170	1,351,156	211,814	1,491,004	1,755,900
R. I. -----	4,807	2,178	6,530	67	13,387	431
S.C. -----	1,492	W	3,386	-	1,290	W
Tenn. -----	14,138	8,936	21,409	260	15,278	7,762
Texas -----	114,242	149,251	260,335	21,337	280,721	8,295
Utah -----	12,571	74,169	69,768	3,187	139,578	164,055
Vt. -----	470	378	925	-	1,646	319
Va. -----	21,485	15,343	34,735	W	27,436	W
Wash. -----	45,842	12,499	56,123	736	85,292	W
W. Va. -----	68,134	75,659	126,679	205	92,449	W
Wis. -----	26,440	27,529	50,828	2,900	31,245	8,152
Undistrib---	142,697	327,530	201,965	16,980	140,945	938,962
Total U.S. -	3,389,082	4,362,755	6,807,918	592,420	6,657,222	7,416,650

W Withheld to avoid disclosing individual company confidential data; included in Undistributed.

FOREIGN TRADE

Exports of iron and steel scrap totaled 1,051,898 short tons in July compared with 998,653 tons in June. Exports of pig iron during July totaled 1,595 tons and 54,186 tons in June. Imports of scrap totaled 28,454 short tons in July compared with 28,958 tons in June. Of the scrap imported during July, 27,901 short tons came from Canada and 553 tons from other sources. Imports of pig iron totaled 31,910 short tons in July and 21,579 tons in June. In addition to the foregoing imports of pig iron during July there were 622 tons of sponge iron, valued at \$124,876 imported, all of which came from Canada.

TABLE 4. - U.S. exports of iron and steel scrap, by countries

Country	July 1970		Year to date	
	Short tons	Value	Short tons	Value
Canada -----	38,938	\$1,201,785	378,396	\$11,354,220
Belgium -----	1,022	179,167	13,416	1,356,113
China (Taiwan) -----	11,464	432,397	107,344	4,918,850
Italy -----	78,503	3,908,517	242,607	9,098,201
Japan -----	600,642	23,111,236	3,560,091	138,074,363
Korea -----	86,835	3,937,401	459,038	21,145,282
Mexico -----	68,279	3,119,013	508,356	22,042,578
Spain -----	119,841	4,880,795	765,639	28,425,771
Sweden -----	4,017	1,236,022	110,364	16,058,321
West Germany -----	7,725	365,699	32,068	1,607,511
United Kingdom -----	12,402	335,004	65,420	3,114,739
Other Countries -----	22,230	1,035,670	160,421	6,913,260
Total -----	1,051,898	43,742,706	6,403,160	264,109,209

TABLE 5. - U.S. exports of iron and steel scrap, by grades

Grades of scrap	July 1970		Year to date	
	Short tons	Value	Short tons	Value
No. 1 heavy melting steel scrap -----	367,389	\$16,076,444	2,382,619	\$101,927,731
No. 2 heavy melting steel scrap -----	122,269	4,909,134	777,130	30,916,409
No. 1 bundles -----	45,133	1,901,914	181,125	7,686,190
No. 2 bundles -----	112,398	2,905,169	763,285	23,182,742
Borings, shovelings and turnings -----	56,566	1,444,953	366,631	9,190,395
Stainless steel -----	6,147	2,568,317	37,450	13,650,403
Shredded steel scrap ----	129,094	5,346,675	662,847	27,527,417
Iron scrap (excluding borings and shovelings) -	87,431	3,278,406	526,158	20,004,158
All other steel scrap <u>1/</u>	125,471	5,311,694	705,915	30,023,704
Total -----	1,051,898	43,742,706	6,403,160	264,109,209

1/ Includes tin plate and terne plate.

TABLE 3. - U. S. consumption of iron and steel scrap by grades, July 1970
(Short tons)

State	CARBON STEEL							Stainless & alloy steel	Cast iron (including borings)	Other grades of scrap including slag
	Low phos., cut struc- tural, and plate	No. 1 & 2 heavy melt- ing steel	No. 1-2 & all other bundles	Turnings & borings	Shredded or fragmentized steel	All other carbon steel				
Alabama	11,232	89,509	48,547	3,082	696	50,080	3,733	46,145	5,589	
Arizona	W	-	W	-	-	W	W	W	W	
Arkansas	-	-	-	-	-	-	-	-	-	
California	3,767	53,510	32,891	2,859	7,947	80,954	1,165	30,002	16,235	
Colorado	W	W	-	W	-	-	W	W	W	
Connecticut	2,077	250	56	-	-	419	3,157	1,666	W	
Delaware	W	W	W	W	-	-	W	W	W	
Florida	W	W	W	-	-	W	-	W	-	
Georgia	W	W	W	-	-	W	-	W	-	
Illinois	56,679	180,082	116,330	26,707	5,016	227,862	11,143	72,083	5,027	
Indiana	8,531	410,207	66,056	14,412	-	177,306	5,967	69,277	53,939	
Iowa	3,223	2,592	1,667	13,734	613	1,212	124	6,701	4,421	
Kansas	2,351	-	-	-	W	W	-	472	-	
Kentucky	-	58,593	6,060	3,318	-	15,707	5,607	8,362	4,826	
Louisiana	W	-	-	-	-	W	-	-	-	
Maine	W	-	-	-	-	-	-	-	-	
Maryland	1,751	W	33,387	W	4,628	W	5,516	13,242	55,056	
Massachusetts	897	48	173	21	-	241	13	2,957	375	
Michigan	26,926	39,770	110,339	6,947	19,947	229,207	3,443	204,388	38,813	
Minnesota	1,908	20,096	W	W	-	2,252	W	4,141	W	
Mississippi	-	-	W	-	W	W	-	-	-	
Missouri	2,680	66,683	W	-	W	1,827	1,310	10,656	1,044	
Montana	-	-	-	-	-	-	-	W	W	
Nebraska	W	-	-	-	-	W	-	W	W	
Nevada	W	-	-	-	-	-	-	-	-	
New Hampshire	-	W	-	-	-	-	-	-	-	
New Jersey	2,715	5,482	7,339	W	W	7,233	382	17,588	333	
New York	4,882	79,408	9,587	1,418	756	48,769	6,958	36,451	26,148	
North Carolina	W	-	W	-	-	W	-	935	-	
Ohio	58,440	389,731	130,476	66,546	503	168,385	65,708	173,971	49,372	
Oklahoma	-	W	-	-	-	W	-	W	W	
Oregon	-	W	-	-	-	W	-	W	-	
Pennsylvania	28,013	593,581	110,749	36,294	4,440	198,495	135,188	172,787	71,609	
Rhode Island	-	W	W	-	-	1,139	W	W	W	
South Carolina	W	-	-	163	-	W	-	2,574	-	
Tennessee	1,786	W	W	-	-	W	-	12,392	4,495	
Texas	8,224	88,788	14,966	18,142	1,420	54,395	4,398	59,996	10,006	
Utah	W	W	W	W	-	W	W	W	-	
Vermont	-	W	-	-	-	W	-	W	-	
Virginia	4,219	W	W	-	W	5,001	-	18,472	-	
Washington	864	31,853	8,285	366	7,957	1,342	610	3,509	W	
West Virginia	4,959	8,265	24,394	641	1,713	71,766	622	2,871	W	
Wisconsin	12,435	497	-	1,411	-	11,235	216	19,955	5,079	
Undistributed	2,991	267,283	70,673	9,418	9,802	90,334	6,702	17,583	38,582	
U. S. Total	251,550	2,386,228	791,975	205,479	65,438	1,445,161	261,962	1,009,176	390,949	

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