

OCT 22 1971

**MINERAL INDUSTRY SURVEYS**

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON, D. C. 20240



Rogers C. B. Morton, Secretary

Elburt F. Osborn, Director

For information call H. J. Polta
Telephone: 703-557-0622

Iron and Steel Scrap, Monthly

IRON AND STEEL SCRAP IN AUGUST 1971

Preliminary figures based on 74 percent return of reporting consumers, indicate August consumption of iron and steel scrap was down 22 percent compared to July, according to the Bureau of Mines, U.S. Department of the Interior. During the same period production was down 30 percent; net receipts down 8 percent; and stocks up 2 percent.

The statistics reflect the decrease in steel production which followed conclusion of labor contract negotiations in the steel industry. Because of steel inventory building in anticipation of a steel strike, scrap consumption had remained above that in 1970 through July. Apparently the resulting excesses in steel inventory contributed to the large decrease in August scrap consumption.

The West Coast dock strike served only to aggravate the decline in 1971 scrap export trade which has been far below 1970 record exports. Exports in July were 22 percent below those of June, and 58 percent below those of July 1970. Total exports through July were down 41 percent from those of the comparable period in 1970. Largest importers of U.S. scrap in July were the United Kingdom and Canada, each of which took 16 percent of total U.S. exports. Next largest exports were to Spain which received 14 percent.

The Iron Age composite price for No. 1 heavy melting steel scrap (Chicago, Pittsburgh, and Philadelphia) at the end of August was \$31.83, down \$8.34 from the August 1970 price of \$40.17. The end of August No. 2 bundle price of \$23.17 was \$5.00 below its \$28.17 price 1 year earlier.

Preliminary August figures indicate pig iron production and consumption during the month were down 39 percent and 40 percent respectively, from those of July. Stocks remained essentially unchanged.

Prepared in the Division of Ferrous Metals, October 22, 1971.

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

	FINAL JULY 1971 FIGURES					Total year through July 1971 <u>3/</u>	Preliminary total for month of August 1971 <u>4/</u>
	Mfgs. of steel ingots and castings <u>1/</u>	Mfgs. of steel castings <u>2/</u>	Iron foundries and miscellaneous users	Total for month of July 1971			
ISCRAP:							
Receipts-----	2,166,939	115,238	595,142	2,877,319	23,886,294	2,595,000	
Production-----	3,591,808	59,925	359,861	4,011,594	32,943,151	2,823,000	
Consumption by grades:							
Carbon steel-							
Low phosphorus plate and punchings-----	29,605	41,252	57,913	128,770	1,465,984	144,000	
Cut structural and plate-----	24,348	11,842	47,772	83,962	794,410	101,000	
No. 1 heavy melting steel-----	1,903,111	14,077	12,961	1,930,149	17,141,970	1,051,000	
No. 2 heavy melting steel-----	229,275	108	15,906	245,289	1,901,128	192,000	
No. 1 and electric furnace bundles-----	459,488	5,947	23,964	489,399	3,795,898	416,000	
No. 2 and all other bundles-----	227,473	1,617	27,812	256,902	2,102,283	238,000	
Turnings and borings-----	148,183	4,175	41,813	194,171	1,541,204	140,000	
Slag scrap (Fe content)-----	269,628	147	1,480	271,255	1,972,645	173,000	
Shredded or fragmented <u>5/</u> -----	78,873	3,178	16,071	98,122	885,602	101,000	
All other carbon steel scrap-----	1,129,742	56,097	100,470	1,286,309	10,444,720	1,085,000	
Stainless steel-----	51,436	1,768	73	53,277	510,301	41,000	
Alloy steel (except stainless)-----	165,743	7,795	4,196	177,734	1,685,967	178,000	
Cast iron (include borings)-----	370,112	17,676	550,783	938,571	8,581,449	940,000	
Other grades of scrap-----	56,109	7,535	34,845	98,489	770,620	97,000	
Consumption Total-----	5,143,126	173,214	936,059	6,252,399	53,594,181	4,897,000	
Shipments-----	446,415	2,621	12,031	461,067	3,283,882	381,000	
Stocks end of month-----	6,719,304	248,308	812,796	7,780,408	-----	7,920,000	
PIG IRON:							
Receipts-----	300,294	7,012	180,549	487,855	4,224,265	395,000	
Production-----	6,785,988	-----	-----	6,785,988	54,984,897	4,123,000	
Consumption-----	6,591,130	5,124	154,403	6,750,657	55,076,625	4,041,000	
Shipments-----	494,182	54	477	494,713	4,169,167	434,000	
Stocks end of month-----	1,594,344	14,918	279,015	1,888,277	-----	1,193,000	

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 total due to revisions after publication of monthly data.
4/ Estimate based on 74 percent return of consumers reports - cut off date 9/29/71.
5/ Does not include shredded scrap that consumers may have reported under different grade classification.

TABLE 2. - U.S. salient iron and steel scrap and pig iron statistics, July 1971
(Short tons)

State	Receipts	Production	Consumption	Shipments	Stocks end of month	Pig iron consumption
Alabama-----	103,876	186,663	267,503	2,498	306,153	290,376
Arizona-----	W	W	W	W	W	-----
Arkansas-----	-----	-----	W	-----	W	-----
California-----	98,272	106,410	216,357	6,333	264,751	167,166
Colorado-----	29,045	42,402	67,351	-----	33,398	88,955
Connecticut-----	5,758	3,475	8,653	650	11,069	1,313
Delaware-----	W	W	W	-----	W	W
Florida-----	W	W	W	W	W	W
Georgia-----	17,075	6,901	20,738	-----	52,109	453
Illinois-----	351,543	343,860	642,419	42,691	762,573	516,563
Indiana-----	183,095	621,649	686,130	113,678	1,222,027	1,100,728
Iowa-----	26,998	9,541	36,295	W	49,519	1,240
Kansas-----	2,780	2,037	4,765	-----	6,102	70
Kentucky-----	53,161	70,044	115,438	14,165	134,566	149,008
Louisiana-----	W	W	W	W	W	-----
Maine-----	W	W	W	-----	W	W
Maryland-----	11,706	178,011	174,505	-----	228,578	W
Massachusetts-----	1,348	2,044	3,266	W	3,063	743
Michigan-----	309,098	322,462	624,803	12,969	342,247	646,639
Minnesota-----	18,350	17,509	32,649	W	86,339	38,423
Mississippi-----	W	W	W	-----	W	-----
Missouri-----	74,978	21,780	101,206	W	148,984	581
Montana-----	W	-----	W	-----	W	-----
Nebraska-----	W	W	W	W	W	W
Nevada-----	W	-----	W	-----	W	W
New Hampshire-----	W	W	W	-----	W	W
New Jersey-----	29,152	9,418	44,240	593	44,808	3,688
New York-----	59,778	112,310	130,710	34,601	342,912	281,309
North Carolina-----	5,833	W	10,099	-----	2,436	W
Ohio-----	517,718	718,253	1,125,935	93,682	1,117,246	1,158,073
Oklahoma-----	18,991	4,373	28,783	-----	25,249	350
Oregon-----	10,315	W	10,962	W	16,355	W
Pennsylvania-----	585,216	933,406	1,231,628	108,606	1,722,518	1,563,641
Rhode Island-----	3,951	1,314	3,995	W	6,687	160
South Carolina-----	1,666	W	2,400	-----	1,866	W
Tennessee-----	23,246	14,312	42,064	361	13,354	9,147
Texas-----	138,578	102,913	254,556	1,736	257,351	5,775
Utah-----	W	W	W	W	W	W
Vermont-----	646	407	969	-----	1,950	288
Virginia-----	8,928	11,609	26,575	W	27,202	W
Washington-----	34,368	7,734	45,081	597	85,128	32
West Virginia-----	49,758	68,479	114,524	-----	108,333	188,751
Wisconsin-----	23,044	23,750	47,761	1,045	30,767	6,060
Undistributed-----	79,048	68,528	130,039	26,862	324,763	531,125
Total-----	2,877,319	4,011,594	6,252,399	461,067	7,780,408	6,750,657

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

TABLE 3. - U.S. consumption of iron and steel scrap by grades, July 1971
(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 bundles	No. 2 & all other bundles	Turnings & borings	Shredded or fragmentized	All other carbon steel			
Alabama-----	13,162	101,071	31,086	1,399	176	50,190	1,864	60,156	8,399
Arizona-----	W	W	-----	-----	-----	W	W	-----	W
Arkansas-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
California-----	3,409	47,714	11,895	2,414	6,150	91,373	680	38,841	13,881
Colorado-----	3,148	41,976	-----	2,562	3,469	681	269	3,149	12,097
Connecticut-----	2,836	324	41	-----	112	125	3,083	1,978	W
Delaware-----	W	W	-----	W	-----	W	W	-----	-----
Florida-----	W	-----	-----	-----	-----	-----	-----	-----	-----
Georgia-----	206	11,912	3,947	-----	43	3,759	-----	871	-----
Illinois-----	42,276	265,037	39,481	21,492	12,901	170,243	7,971	75,878	7,140
Indiana-----	6,763	373,254	33,158	21,437	-----	146,101	5,868	44,020	55,529
Iowa-----	3,593	3,728	4,643	9,062	889	1,841	-----	9,266	3,273
Kansas-----	1,699	-----	-----	-----	W	W	-----	342	-----
Kentucky-----	-----	72,073	-----	4,032	234	17,062	3,777	8,263	9,997
Louisiana-----	W	-----	-----	-----	-----	-----	-----	-----	-----
Maine-----	W	-----	-----	-----	-----	-----	-----	-----	-----
Maryland-----	888	W	-----	W	-----	W	4,763	16,669	24,525
Massachusetts-----	359	8	-----	W	-----	340	14	2,372	W
Michigan-----	24,834	117,216	21,262	5,832	15,610	213,688	7,058	186,269	33,034
Minnesota-----	1,923	14,206	W	W	-----	2,520	W	5,376	430
Mississippi-----	-----	W	W	-----	W	W	-----	-----	-----
Missouri-----	458	76,282	-----	W	W	1,897	979	11,435	747
Montana-----	-----	-----	-----	-----	-----	-----	-----	-----	W
Nebraska-----	W	-----	-----	-----	-----	W	-----	-----	W
Nevada-----	W	-----	-----	-----	-----	-----	-----	-----	-----
New Hampshire-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
New Jersey-----	2,762	9,676	6,455	W	W	9,212	473	15,060	43
New York-----	3,387	44,845	2,857	4,377	1,050	21,841	6,062	22,394	23,897
North Carolina-----	-----	8,451	-----	-----	-----	W	-----	1,018	-----
Ohio-----	41,415	432,828	60,108	63,020	13,762	196,996	59,162	197,632	61,012
Oklahoma-----	W	W	-----	-----	-----	-----	-----	W	W
Oregon-----	-----	-----	W	-----	W	W	-----	-----	-----
Pennsylvania-----	28,039	663,134	16,284	36,494	4,171	168,795	117,374	116,426	80,911
Rhode Island-----	-----	W	-----	-----	-----	806	W	W	W
South Carolina-----	-----	-----	-----	-----	-----	-----	-----	2,040	-----
Tennessee-----	5,865	W	W	-----	-----	W	-----	24,609	4,845
Texas-----	6,614	101,703	3,579	15,039	10,360	60,760	3,920	44,318	8,263
Utah-----	W	W	-----	-----	W	W	W	-----	-----
Vermont-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Virginia-----	3,917	W	W	-----	W	5,124	W	13,707	-----
Washington-----	2,427	26,336	2,271	101	7,098	790	1,531	3,383	W
West Virginia-----	160	17,705	9,017	133	342	73,567	652	1,872	-----
Wisconsin-----	10,647	1,129	-----	1,174	363	11,690	161	20,096	2,501
Undistributed-----	1,945	234,229	10,818	5,603	21,392	36,908	5,350	11,131	19,220
U.S. Total-----	212,732	2,664,837	256,902	194,171	98,122	1,286,309	231,011	938,571	369,744

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

FOREIGN TRADE

Exports of iron and steel scrap totaled 424,995 short tons in July compared with 546,769 tons in June. Exports of pig iron during July totaled 5,322 tons and 5,341 tons in June. Imports of scrap totaled 22,186 short tons in July compared with 28,134 tons in June. Of the scrap imported during July, 20,343 short tons came from Canada and 1,843 tons from other sources. Imports of pig iron totaled 35,728 short tons in July and 38,858 tons in June. In addition to the foregoing imports of pig iron during July there were 837 tons of sponge iron, valued at \$127,503 imported, of which 762 tons came from Canada and 75 tons from Mexico.

TABLE 4. - U.S. exports of iron and steel scrap 1/, by countries

Country	JULY 1971		Year to date	
	Short tons	Value	Short tons	Value
Canada-----	66,776	\$1,816,686	481,220	\$13,603,239
China (Taiwan)-----	31,165	923,874	299,663	9,612,697
France-----	2	810	7,652	290,203
Italy-----	47,882	2,310,355	338,333	13,411,146
Japan-----	50,037	1,652,584	1,129,919	37,930,141
Korea-----	19,528	598,070	168,257	6,992,300
Mexico-----	30,955	1,049,423	307,621	11,346,559
Spain-----	59,405	2,231,338	364,273	13,818,064
Sweden-----	2,346	433,297	13,655	3,035,138
United Kingdom-----	67,480	1,912,714	233,670	8,673,122
Venezuela-----	39,284	769,722	120,160	3,332,910
Other Countries-----	10,135	919,638	173,721	8,033,877
Total-----	424,995	14,618,511	3,638,144	130,079,396

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

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

Grades of scrap	JULY 1971		Year to date	
	Short tons	Value	Short tons	Value
No. 1 heavy melting steel scrap-----	94,031	\$3,193,736	1,098,264	\$41,856,135
No. 2 heavy melting steel scrap-----	40,145	1,199,551	414,441	13,880,005
No. 1 bundles-----	17,262	782,038	115,287	4,467,208
No. 2 bundles-----	100,195	1,655,884	588,047	14,160,270
Borings, shovelings and turnings-----	18,870	398,526	187,030	4,438,639
Stainless steel-----	3,728	1,487,069	21,639	6,196,305
Shredded steel scrap-----	93,986	3,713,626	595,988	22,999,497
Iron scrap (excluding borings and shovelings)	13,227	312,935	345,261	10,569,428
All other steel scrap <u>1/-</u>	43,551	1,875,146	272,187	11,511,909
Total-----	424,995	14,618,511	3,638,144	130,079,396
Ships, boats, and other vessels for breaking up (for scrapping)-----	7,953	225,531	293,449	5,301,899
Total-----	432,948	14,844,042	3,931,593	135,381,295

1/ Includes tin plate and terne plate.