



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 NOVEMBER 1969

Reflecting a decrease in steel production from that of October, consumption of iron and steel scrap declined 6 percent, according to the Bureau of Mines, U.S. Department of the Interior. Pig iron production and consumption declined 3 and 4 percent, respectively, from that of the previous month. Decreases in consumption were reported for all grades of scrap. Exports of scrap declined 21 percent and scrap receipts 11 percent. Stocks of both iron and steel scrap and pig iron at the end of the month decreased from those of October. Scrap consumption, and pig iron production and consumption were at higher levels than those of 1968.

Average quoted prices for most grades of scrap iron and steel decreased from those of October, but still remained substantially higher than those of November, 1968. The average composite price for No. 1 heavy melting steel in the Pittsburgh, Chicago, and Philadelphia markets, as quoted in the American Metal Market for November, 1969, was \$32.91 per gross ton, compared with \$33.75 for October and \$24.48 in November, 1968. Two reasons cited for the strong scrap market were a firm market for steel and concern over the available supply of iron ore and pellets through the winter.

Important: Surveillance responsibility for iron and steel scrap has been transferred to the Twin Cities Office of Mineral Resources, P. O. Box 1660, Twin Cities Airport, Minnesota 55111. The surveillant is Frank L. Fisher, Physical Scientist.

Prepared March 17, 1970, in Mineral Resource Evaluation.

TABLE 1. - U.S. receipts, production, consumption, shipments and stocks of iron and steel scrap and pig iron, by type of manufacturer, November 1969 (Short tons)

	Manufacturers of steel ingots and castings 1/	Manufacturers of steel castings 2/	Iron foundries and miscellaneous users	Total	Total Year to date 3/
SCRAP:					
Receipts -----	2,573,882	163,863	723,201	3,460,949	39,633,987
Production -----	4,093,807	86,460	444,323	4,624,590	51,386,451
Consumption by grades:					
Carbon steel-					
Low phosphorous plate and punchings-	27,320	62,774	60,250	150,344	1,866,982
Cut structural and plate -----	31,523	14,398	78,289	124,210	1,421,691
No. 1 heavy melting steel -----	2,303,423	27,922	20,881	2,352,226	25,005,325
No. 2 heavy melting steel -----	538,328	323	17,519	556,170	5,957,268
No. 1 and electric furnace bundles -	605,453	6,868	36,888	649,209	6,983,650
No. 2 and all other bundles -----	304,551	2,370	44,689	351,610	3,915,018
Turnings and borings -----	229,451	6,903	41,658	278,012	2,806,988
Slag scrap (Fe content) -----	324,146	349	1,059	325,554	3,465,930
Shredded or fragmented -----	59,044	3,315	9,063	71,422	745,872
All other carbon steel scrap -----	1,313,192	70,540	132,296	1,516,028	16,365,604
Stainless steel -----	86,968	2,663	2,782	92,413	941,345
Alloy steel (except stainless) -----	241,377	10,454	9,105	260,936	2,998,198
Cast iron (include borings) -----	451,326	26,196	650,644	1,128,166	13,167,295
Other grades of scrap -----	36,179	11,618	39,294	87,091	985,875
Total consumption -----	6,552,281	246,693	1,144,417	7,943,391	86,627,041
Shipments -----	500,098	3,389	29,913	533,400	5,906,022
Stocks end of month -----	5,437,310	273,028	821,833	6,532,171	-----
PIG IRON:					
Receipts -----	428,308	6,946	333,707	768,961	8,024,172
Production -----	7,829,100	-	-	7,829,100	85,599,804
Consumption -----	7,604,112	7,354	311,871	7,923,337	86,520,493
Shipments -----	712,623	648	146	713,417	7,570,107
Stocks end of month -----	1,457,749	16,133	246,235	1,720,117	-----

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 publication of monthly data.

TABLE 2. - U.S. salient iron and steel scrap and pig iron statistics, November 1969
(Short tons)

State	Receipts	Production	Consumption	Shipments	Stocks end of month	Pig iron consumption
Alabama -----	138,609	159,797	289,377	14,327	209,933	334,196
Arizona -----	W	W	W	W	W	-
Arkansas -----	W	-	W	-	W	-
California -----	118,722	105,467	256,255	5,021	193,705	171,180
Colorado -----	W	W	W	-	W	W
Connecticut ----	9,453	5,411	13,787	395	13,683	1,422
Delaware -----	W	W	W	W	W	W
Florida -----	W	W	W	-	W	W
Georgia -----	W	W	W	W	W	W
Illinois -----	307,971	422,551	773,225	56,375	701,642	645,684
Indiana -----	292,787	658,553	925,601	66,610	523,023	1,044,148
Iowa -----	36,839	14,152	48,730	84	47,112	3,150
Kansas -----	5,515	3,266	8,062	W	4,752	219
Kentucky -----	54,628	70,038	123,250	14,782	108,646	W
Louisiana -----	W	W	W	W	W	W
Maine -----	W	W	W	-	W	W
Maryland -----	67,437	235,602	280,767	8,011	154,138	W
Massachusetts --	3,810	4,960	8,998	149	4,110	2,032
Michigan -----	352,053	356,194	705,912	57,104	395,569	742,101
Minnesota -----	22,635	20,247	39,686	201	80,656	W
Mississippi ----	W	W	W	-	W	-
Missouri -----	60,582	23,200	87,621	720	185,656	1,349
Montana -----	W	W	W	W	W	W
Nebraska -----	W	W	W	W	W	W
Nevada -----	W	-	W	-	W	W
New Hampshire --	W	W	W	-	W	W
New Jersey -----	44,607	13,577	60,015	1,722	56,332	6,553
New York -----	114,049	225,117	333,953	5,964	391,967	498,032
North Carolina --	14,537	4,724	18,350	-	21,560	2,658
Ohio -----	659,983	820,919	1,439,718	120,653	858,641	1,346,638
Oklahoma -----	19,235	4,157	22,029	67	35,585	1,084
Oregon -----	8,567	5,180	13,547	338	21,167	W
Pennsylvania --	647,445	1,044,010	1,578,755	144,947	1,731,405	1,941,903
Rhode Island --	7,945	4,441	8,978	60	17,718	760
South Carolina --	2,043	2,133	3,866	-	1,230	W
Tennessee -----	19,599	17,249	37,063	793	11,168	11,160
Texas -----	171,137	144,175	286,298	17,142	275,345	8,811
Utah -----	12,651	59,509	81,065	10,706	155,851	137,684
Vermont -----	1,237	668	1,775	-	2,197	516
Virginia -----	18,164	16,338	36,075	550	20,504	W
Washington -----	28,034	12,833	48,919	1,269	62,011	W
West Virginia --	72,057	81,392	153,591	211	91,563	234,146
Wisconsin -----	39,469	36,153	72,261	2,645	36,583	12,303
Undistributed--	109,146	52,577	185,862	2,554	118,719	775,603
Total U.S. ----	3,460,946	4,624,590	7,943,391	533,400	6,532,171	7,923,337

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

TABLE 3. - U.S. consumption of iron and steel scrap by grades, November 1969
(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	All other carbon steel scrap			
Alabama -----	20,597	91,402	63,127	767	528	47,291	8,584	51,210	5,871
Arizona -----	W	-	W	-	-	W	W	W	W
Arkansas -----	-	-	-	-	-	-	-	-	-
California -----	3,283	50,527	24,100	6,214	7,654	94,360	1,082	54,946	14,089
Colorado -----	W	W	-	W	-	-	W	W	W
Connecticut -----	3,816	860	38	-	-	603	4,296	3,842	-
Delaware -----	W	W	W	W	W	W	W	W	-
Florida -----	W	-	W	-	-	-	-	-	-
Georgia -----	W	W	W	-	-	W	-	W	-
Illinois -----	36,507	242,410	150,605	18,782	6,825	216,352	12,333	83,651	5,760
Indiana -----	10,896	481,413	102,204	37,568	-	133,652	9,120	78,093	72,655
Iowa -----	5,130	7,217	3,956	12,304	955	4,048	25	11,704	3,391
Kansas -----	-	-	-	-	W	W	-	-	W
Kentucky -----	-	63,451	11,877	7,359	-	22,690	6,704	9,209	1,960
Louisiana -----	W	-	-	-	-	W	-	-	-
Maine -----	W	-	-	-	-	-	-	W	-
Maryland -----	2,065	W	24,634	W	3,281	-	8,218	29,241	24,646
Massachusetts -----	1,558	50	W	W	-	-	W	5,962	W
Michigan -----	18,707	46,810	135,450	12,214	14,296	252,928	10,189	190,349	24,969
Minnesota -----	1,541	21,794	W	W	-	1,627	W	4,455	W
Mississippi -----	-	-	W	-	W	W	-	-	-
Missouri -----	3,846	57,068	W	W	W	2,362	1,167	13,655	1,117
Montana -----	-	W	-	-	-	-	-	W	W
Nebraska -----	W	-	-	-	-	W	-	W	W
Nevada -----	W	-	-	-	-	-	-	W	-
New Hampshire -----	-	W	-	-	-	-	-	-	-
New Jersey -----	5,550	2,769	16,285	W	W	10,020	614	22,341	396
New York -----	3,347	155,256	19,643	7,069	1,157	43,420	13,985	57,880	32,196
North Carolina -----	W	-	W	-	-	W	-	-	-
Ohio -----	81,406	493,417	174,116	83,983	27	248,870	91,223	195,581	71,095
Oklahoma -----	-	W	-	-	-	W	-	W	W
Oregon -----	-	W	W	-	-	W	W	W	-
Pennsylvania -----	27,781	740,219	133,072	44,383	-	206,975	170,478	161,310	94,537
Rhode Island -----	-	W	W	-	-	-	W	-	W
South Carolina -----	W	-	-	-	-	W	-	-	-
Tennessee -----	7,147	W	W	-	W	W	-	-	-
Texas -----	6,562	89,998	20,852	34,088	17,064	64,893	4,814	37,619	10,408
Utah -----	W	W	W	W	-	W	W	W	-
Vermont -----	-	W	-	-	-	-	-	W	-
Virginia -----	6,008	W	W	-	W	7,008	W	18,283	-
Washington -----	2,010	23,050	9,484	753	4,249	1,175	1,427	5,793	W
West Virginia -----	W	11,882	W	133	-	W	572	3,574	W
Wisconsin -----	18,949	869	-	1,598	-	13,108	273	28,162	9,302
Undistributed -----	7,848	327,934	111,376	10,797	15,386	144,646	8,245	40,264	33,821
U.S. Total -----	274,554	2,908,396	1,000,819	278,012	71,422	1,516,028	353,349	1,128,166	412,645

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

FOREIGN TRADE

Exports of iron and steel scrap totaled 809,902 short tons in November compared with 1,023,427 tons in October. Exports of pig iron during November totaled 7,318 tons and 579 tons in October. Imports of scrap totaled 39,191 short tons in November compared with 22,485 tons in October. Of the scrap imported during November, 38,587 short tons came from Canada and 604 tons from other sources. Imports of pig iron totaled 39,136 short tons in November and 37,910 tons in October. In addition to the foregoing imports of pig iron during November, there were 329 tons of sponge iron, valued at \$45,138 imported from Canada.

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

Country	November 1969		Year to date	
	Short tons	Value	Short tons	Value
Canada -----	77,458	\$1,929,509	561,881	\$13,516,824
Hong Kong -----	195	14,660	12,793	387,299
Italy -----	27,345	739,020	834,642	24,468,246
Japan -----	430,893	15,912,837	3,872,799	114,874,686
Korea -----	38,638	1,717,541	526,964	19,174,912
Mexico -----	37,141	1,355,895	531,539	18,175,349
Spain -----	120,677	4,175,346	1,002,694	26,793,600
Sweden -----	14,910	466,668	187,225	19,332,270
Taiwan -----	15,824	654,990	95,401	3,638,081
United Kingdom -----	304	9,227	291,116	9,520,583
West Germany -----	12,303	448,166	88,865	5,176,770
Other Countries -----	34,214	1,394,239	306,057	11,818,861
Total -----	809,902	28,818,098	8,311,976	266,877,481

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

Grades of scrap	November 1969		Year to date	
	Short tons	Value	Short tons	Value
No. 1 heavy melting steel scrap -----	283,551	\$10,526,914	3,174,574	\$104,276,843
No. 2 heavy melting steel scrap -----	109,983	3,528,213	909,548	26,487,501
No. 1 bundles -----	69,272	2,744,714	573,900	19,028,491
No. 2 bundles -----	36,764	894,765	917,042	18,844,869
Borings, shovelings & turnings -----	62,166	1,232,446	704,700	11,780,216
Iron scrap -----	77,712	2,863,303	579,973	18,939,017
Stainless steel scrap -----	258	76,569	73,472	22,223,240
All other scrap ^{1/} -----	170,196	6,951,174	1,378,767	45,297,304
Total -----	809,902	28,818,098	8,311,976	266,877,481

^{1/} Includes tin plate and terne plate.