



# 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 OCTOBER 1966

An increase of 2 percent in total consumption of both scrap and pig iron occurred in October, reflecting small but steady gains each month since July, according to the Bureau of Mines, U.S. Department of the Interior. Scrap comprised 50 percent of the total metallics consumed during the month.

Steel production during the month showed a 2 percent rise, while scrap usage in the steelmaking furnaces increased by 3 percent. Scrap remained at 29 percent of the metallics charged to the basic oxygen converters, 41 percent to the open hearth furnaces, and comprised 80 percent of the metallics to the cupola furnaces.

A plant with a capacity to reduce to shredded metal the equivalent of about 200,000 junk cars per year was dedicated in the Boston area by the Governor of Massachusetts during October. Announcements were made of plans for large plants of this type to be installed in other industrialized areas of the country.

Table 1.-Production, receipts, consumption, and consumers' stocks of ferrous scrap and pig iron, May 1966 through October 1966  
(Short tons)

| Date       | Scrap for consumption |                                |           | Consumption |           | Consumers' stocks at end of month |                        |
|------------|-----------------------|--------------------------------|-----------|-------------|-----------|-----------------------------------|------------------------|
|            | Home scrap produced   | Purchased scrap received (net) | Total     | Scrap       | Pig iron  | Scrap                             | Pig iron <sup>1/</sup> |
| May-----   | 4,910,297             | 3,304,146                      | 8,214,443 | 8,230,992   | 8,299,359 | 7,491,487                         | 2,179,356              |
| June-----  | 4,733,953             | 3,049,126                      | 7,783,079 | 7,797,387   | 7,841,787 | 7,483,232                         | 2,276,750              |
| July-----  | 4,380,182             | 2,641,443                      | 7,021,625 | 6,795,002   | 7,596,088 | 7,708,651                         | 2,464,119              |
| Aug.-----  | 4,713,635             | 3,048,905                      | 7,762,540 | 7,497,833   | 7,733,564 | 7,982,108                         | 2,452,364              |
| Sept.----- | 4,786,632             | 2,908,244                      | 7,694,876 | 7,677,176   | 7,797,554 | 8,004,897                         | 2,516,154              |
| Oct.-----  | 4,752,045             | 2,308,621                      | 7,838,258 | 7,809,510   | 7,943,480 | 8,035,247                         | 2,652,262              |

<sup>1/</sup> Suppliers' stocks included with consumers' stocks.

<sup>2/</sup> Excludes 503,924 short tons of scrap shipped, transferred, or otherwise disposed of during the month.

Prepared March 31, 1967, by F. E. Brantley, Physical Scientist.

Large imports of pig iron from the U.S.S.R., Czechoslovakia, East Germany, and Roumania during the first part of the year prompted complaints which resulted in action by the Treasury Department and Commissioner of Customs to start proceedings for investigation, under the antidumping regulations.

The daily consumption rate of scrap during the month average 251,920 short tons, or 2 percent greater than the 1965 average. The monthend inventory showed an apparent 32-day supply.

Table 2.-Production and receipts of ferrous scrap by major consuming industries' plants  
May 1966 through October 1966  
(Short tons)

| Date           | Home scrap produced                      |                               |                                                | Purchased scrap received (net) 1/        |                               |                                                |
|----------------|------------------------------------------|-------------------------------|------------------------------------------------|------------------------------------------|-------------------------------|------------------------------------------------|
|                | Mfrs. of<br>steel ingots<br>and castings | Mfrs. of<br>steel<br>castings | Iron foundries<br>and miscel-<br>laneous users | Mfrs. of<br>steel ingots<br>and castings | Mfrs. of<br>steel<br>castings | Iron foundries<br>and miscel-<br>laneous users |
| May-----       | 4,192,699                                | 136,323                       | 581,275                                        | 2,308,854                                | 200,171                       | 795,121                                        |
| June-----      | 4,003,505                                | 142,101                       | 588,347                                        | 2,091,238                                | 202,229                       | 755,659                                        |
| July-----      | 3,817,145                                | 100,056                       | 462,981                                        | 1,894,941                                | 164,127                       | 582,375                                        |
| August-----    | 4,062,470                                | 130,585                       | 520,580                                        | 2,195,737                                | 181,854                       | 671,314                                        |
| September----- | 4,034,011                                | 136,648                       | 615,973                                        | 2,005,738                                | 185,907                       | 716,599                                        |
| October-----   | 4,016,191                                | 137,779                       | 598,075                                        | 2,148,390                                | 191,336                       | 746,487                                        |

1/ Excludes scrap shipped, transferred or otherwise disposed of during the month.

Table 3.-Consumers' stocks, production, receipts, consumption and shipments of iron  
and steel scrap, by grades, October 1966  
(Short tons)

| Grades of scrap                        | Stocks at<br>beginning<br>of month 1/ | Home scrap<br>produced | Purchased<br>scrap<br>received 1/ | Consump-<br>tion | Ship-<br>ments | Stocks at<br>end of<br>month |
|----------------------------------------|---------------------------------------|------------------------|-----------------------------------|------------------|----------------|------------------------------|
| Steel scrap, excludes rerolling rails: |                                       |                        |                                   |                  |                |                              |
| Carbon-----                            | 6,098,412                             | 3,489,377              | 2,974,052                         | 6,087,616        | 358,629        | 6,115,596                    |
| Alloy, excludes stainless-----         | 341,179                               | 250,589                | 51,621                            | 304,727          | 11,925         | 326,737                      |
| Stainless-----                         | 125,231                               | 52,897                 | 35,959                            | 85,950           | 3,199          | 124,938                      |
| Cast iron, includes borings-----       | 1,441,677                             | 959,182                | 528,505                           | 1,331,217        | 130,171        | 1,467,976                    |
| Total-----                             | 8,006,499                             | 4,752,045              | 3,590,137                         | 7,809,510        | 503,924        | 8,035,247                    |

1/ Revised. 1/ Purchased scrap received from dealers and all others.

Table 4.-Home scrap produced by source, by type of manufacturers, during October 1966  
(Short tons)

|                                                 | Source of scrap     |                |                         | Total     |
|-------------------------------------------------|---------------------|----------------|-------------------------|-----------|
|                                                 | Recirculating<br>1/ | Obsolete<br>2/ | Other including<br>slag |           |
| Manufacturers of steel ingots and castings----- | 3,508,328           | 306,065        | 201,798                 | 4,016,191 |
| Manufacturers of steel castings-----            | 135,915             | 1,710          | 154                     | 137,779   |
| Iron foundries and miscellaneous users-----     | 586,046             | 11,070         | 959                     | 598,075   |
| Total-----                                      | 4,230,289           | 318,845        | 202,911                 | 4,752,045 |

1/ Includes home, plant, or recycled iron and steel scrap.

2/ Includes molds, stools, machinery, and buildings; excludes rerolling rails.

Table 5.-Consumption of iron and steel scrap at major consuming industries' plants  
during October 1966, and consumption year to date, by grades  
(Short tons)

| Grades of scrap                        | Mfrs. of<br>steel ingots<br>and castings | Mfrs. of<br>steel<br>castings | Iron foundries<br>and miscel-<br>laneous users | Total<br>consump-<br>tion | Total<br>consumption<br>year to date |
|----------------------------------------|------------------------------------------|-------------------------------|------------------------------------------------|---------------------------|--------------------------------------|
| Steel scrap, excludes rerolling rails: |                                          |                               |                                                |                           |                                      |
| Carbon-----                            | 5,332,383                                | 273,063                       | 482,170                                        | 6,087,616                 | 59,682,548                           |
| Alloy, excludes stainless-----         | 276,621                                  | 12,663                        | 15,443                                         | 304,727                   | 2,893,665                            |
| Stainless-----                         | 79,895                                   | 2,914                         | 3,141                                          | 85,950                    | 809,376                              |
| Cast iron, includes borings-----       | 458,687                                  | 34,453                        | 838,077                                        | 1,331,217                 | 13,578,835                           |
| Total-----                             | 6,147,586                                | 323,093                       | 1,338,831                                      | 7,809,510                 | 76,964,424                           |

Table 6.-Stocks of iron and steel scrap and pig iron on hand at major consuming industries' plants  
at end of month  
(Short tons)

| Date               | Scrap stocks                             |                               |                                                |           | Pig iron stocks                          |                               |                                                |           |
|--------------------|------------------------------------------|-------------------------------|------------------------------------------------|-----------|------------------------------------------|-------------------------------|------------------------------------------------|-----------|
|                    | Mfrs. of<br>steel ingots<br>and castings | Mfrs. of<br>steel<br>castings | Iron foundries<br>and miscel-<br>laneous users | Total     | Mfrs. of<br>steel ingots<br>and castings | Mfrs. of<br>steel<br>castings | Iron foundries<br>and miscel-<br>laneous users | Total     |
| May 31, 1966----   | 6,116,407                                | 361,496                       | 1,013,584                                      | 7,491,487 | 1,800,625                                | 30,838                        | 347,893                                        | 2,179,356 |
| June 30, 1966----  | 6,130,455                                | 359,300                       | 993,477                                        | 7,483,232 | 1,915,572                                | 31,211                        | 329,967                                        | 2,276,750 |
| July 31, 1966----  | 6,329,076                                | 373,065                       | 1,006,510                                      | 7,708,651 | 2,022,756                                | 30,092                        | 411,271                                        | 2,464,119 |
| Aug. 31, 1966----  | 6,625,462                                | 377,857                       | 978,789                                        | 7,982,108 | 1,992,241                                | 29,402                        | 430,721                                        | 2,452,364 |
| Sept. 30, 1966---- | 6,678,829                                | 373,956                       | 952,112                                        | 8,004,897 | 2,049,583                                | 27,055                        | 439,516                                        | 2,516,154 |
| Oct. 31, 1966----  | 6,701,446                                | 379,010                       | 954,791                                        | 8,035,247 | 2,187,807                                | 27,991                        | 436,464                                        | 2,652,262 |

Table 7.-Pig iron stocks, production, receipts, consumption and shipments  
(Short tons)

| Date                | Stocks at<br>beginning<br>of month <u>r</u> / | Produced<br>during the<br>month | Received<br>during the<br>month | Consumed<br>during the<br>month | Shipped to<br>others during<br>the month | Stocks at<br>end of<br>month |
|---------------------|-----------------------------------------------|---------------------------------|---------------------------------|---------------------------------|------------------------------------------|------------------------------|
| September 1966----- | 2,453,342                                     | 7,746,813                       | 808,767                         | 7,797,554                       | 695,214                                  | 2,516,154                    |
| October 1966-----   | 2,520,799                                     | 8,112,912                       | 684,161                         | 7,943,480                       | 722,130                                  | 2,652,262                    |

r/ Revised.

Table 8.-Consumers' receipts and total consumption of iron and steel scrap,  
by grades, during October 1966  
(Short tons)

| Grades of scrap<br>(Excludes rerolling rails) | Receipts during the month |                |           | Total<br>consumption |
|-----------------------------------------------|---------------------------|----------------|-----------|----------------------|
|                                               | From<br>dealers           | From<br>others | Total     |                      |
| Carbon steel:                                 |                           |                |           |                      |
| Low phosphorus plate and punchings---         | 260,513                   | 65,061         | 325,574   | 396,365              |
| Cut structurals and plate-----                | 106,261                   | 2,256          | 108,517   | 119,976              |
| Steel car wheels-----                         | 12,287                    | 164            | 12,451    | 13,874               |
| No. 1 heavy melting-----                      | 531,668                   | 196,516        | 728,184   | 2,540,133            |
| No. 1 and electric furnace bundles---         | 405,671                   | 179,471        | 585,142   | 616,987              |
| No. 2 and all other bundles-----              | 370,610                   | 54,024         | 424,634   | 530,037              |
| Turnings and borings-----                     | 237,549                   | 9,199          | 246,748   | 265,612              |
| Slag scrap (Fe content)-----                  | 20,387                    | 53,613         | 74,000    | 246,153              |
| All other carbon steel scrap-----             | 372,722                   | 96,080         | 468,802   | 1,358,479            |
| Alloy steel, excludes stainless-----          | 35,718                    | 15,903         | 51,621    | 304,727              |
| Stainless steel-----                          | 30,373                    | 5,586          | 35,959    | 85,950               |
| Cast iron: Borings-----                       | 61,542                    | 21,031         | 82,573    | 108,819              |
| All other cast iron scrap-----                | 337,939                   | 107,993        | 445,932   | 1,222,398            |
| Total-----                                    | 2,783,240                 | 806,897        | 3,590,137 | 7,809,510            |

Table 9.-Consumers' production, receipts, consumption and stocks of iron and steel scrap, and consumption of pig iron in the United States by districts and States, October 1966 (Short tons)

| District and State                              | Home scrap produced | Total purchased scrap received <sup>1/</sup> | Consumption by grades                    |                                  |                 |                              |             | Scrap stocks | Pig iron consumption |
|-------------------------------------------------|---------------------|----------------------------------------------|------------------------------------------|----------------------------------|-----------------|------------------------------|-------------|--------------|----------------------|
|                                                 |                     |                                              | Carbon steel (excludes re-rolling rails) | Alloy steel (excludes stainless) | Stainless steel | Cast iron (includes borings) | Total scrap |              |                      |
| New England:                                    |                     |                                              |                                          |                                  |                 |                              |             |              |                      |
| Connecticut                                     | 21,225              | 28,066                                       | 20,171                                   | 937                              | 2,771           | 24,629                       | 48,508      | 50,656       | 12,810               |
| Maine                                           | 1,287               | 3,134                                        | 1,010                                    | -----                            | -----           | 2,796                        | 3,806       | 2,886        | -----                |
| Total                                           | 22,512              | 31,200                                       | 21,181                                   | 937                              | 2,771           | 27,425                       | 52,314      | 53,482       | 13,690               |
| Middle Atlantic:                                |                     |                                              |                                          |                                  |                 |                              |             |              |                      |
| New Jersey                                      | 21,152              | 40,971                                       | 38,908                                   | 888                              | 392             | 22,989                       | 63,117      | 79,539       | 7,503                |
| New York                                        | 240,393             | 175,545                                      | 323,960                                  | 7,604                            | 9,040           | 54,500                       | 395,184     | 434,312      | 523,275              |
| Pennsylvania                                    | 313,227             | 241,432                                      | 415,912                                  | 64,822                           | 3,457           | 54,132                       | 538,323     | 615,058      | 582,948              |
| Pennsylvania (West) <sup>2/</sup>               | 767,763             | 383,462                                      | 737,177                                  | 78,626                           | 37,090          | 143,159                      | 996,062     | 923,074      | 1,312,697            |
| Total                                           | 1,342,535           | 841,410                                      | 1,515,957                                | 151,940                          | 49,979          | 274,810                      | 1,992,686   | 2,051,983    | 2,426,023            |
| East North Central:                             |                     |                                              |                                          |                                  |                 |                              |             |              |                      |
| Illinois                                        | 437,185             | 359,051                                      | 655,419                                  | 17,628                           | 5,248           | 113,080                      | 791,375     | 935,052      | 598,497              |
| Indiana                                         | 610,939             | 296,574                                      | 721,009                                  | 7,753                            | 2,280           | 97,370                       | 828,422     | 826,190      | 1,038,817            |
| Michigan                                        | 412,028             | 387,775                                      | 528,660                                  | 3,336                            | 6,058           | 251,349                      | 789,403     | 435,215      | 698,884              |
| Ohio (East) <sup>3/</sup>                       | 647,518             | 474,977                                      | 863,121                                  | 90,269                           | 10,969          | 109,440                      | 1,073,728   | 802,470      | 1,177,231            |
| Ohio (West)                                     | 164,417             | 179,830                                      | 177,536                                  | 857                              | -----           | 94,584                       | 273,048     | 209,852      | 213,732              |
| Wisconsin                                       | 56,745              | 45,175                                       | 50,644                                   | 412                              | 392             | 46,658                       | 98,106      | 52,504       | 17,613               |
| Total                                           | 2,328,832           | 1,743,382                                    | 2,996,389                                | 120,265                          | 24,947          | 712,481                      | 3,854,082   | 3,261,283    | 3,744,774            |
| West North Central:                             |                     |                                              |                                          |                                  |                 |                              |             |              |                      |
| Iowa                                            | 24,290              | 59,641                                       | 45,460                                   | -----                            | -----           | 22,771                       | 68,231      | 77,289       | 6,446                |
| Kansas                                          | 4,482               | 6,582                                        | 9,545                                    | -----                            | -----           | 3,680                        | 13,225      | 6,983        | 543                  |
| Minnesota                                       | 21,023              | 19,573                                       | 35,449                                   | 972                              | -----           | 9,191                        | 44,980      | 61,191       | 42,597               |
| Missouri                                        | 24,072              | 68,476                                       | 76,208                                   | -----                            | -----           | 14,594                       | 91,508      | 138,666      | 3,374                |
| Total                                           | 73,867              | 134,272                                      | 166,662                                  | 972                              | -----           | 50,236                       | 217,944     | 304,129      | 52,960               |
| South Atlantic:                                 |                     |                                              |                                          |                                  |                 |                              |             |              |                      |
| Delaware and Maryland                           | 226,476             | 42,693                                       | 186,665                                  | 1,774                            | 6,639           | 16,679                       | 211,757     | 393,470      | 467,085              |
| Florida and Georgia                             | 10,255              | 49,931                                       | 49,931                                   | -----                            | -----           | 3,209                        | 53,140      | 50,547       | 1,452                |
| North Carolina and South Carolina               | 5,800               | 18,732                                       | 10,198                                   | -----                            | -----           | 12,260                       | 23,368      | 13,764       | 1,232                |
| Virginia and West Virginia                      | 84,783              | 92,176                                       | 161,666                                  | 1,758                            | -----           | 21,001                       | 183,615     | 128,519      | 198,865              |
| Total                                           | 326,714             | 193,997                                      | 408,460                                  | 3,532                            | -----           | 53,149                       | 471,880     | 588,700      | 671,634              |
| East South Central:                             |                     |                                              |                                          |                                  |                 |                              |             |              |                      |
| Alabama                                         | 164,716             | 123,151                                      | 210,368                                  | 8,504                            | -----           | 53,760                       | 272,632     | 353,268      | 325,671              |
| Kentucky                                        | 85,590              | 92,884                                       | 122,206                                  | 9,431                            | -----           | 39,242                       | 171,114     | 239,196      | 154,564              |
| Total                                           | 250,306             | 216,035                                      | 332,574                                  | 17,935                           | -----           | 93,002                       | 443,746     | 592,464      | 480,235              |
| West South Central:                             |                     |                                              |                                          |                                  |                 |                              |             |              |                      |
| Arkansas, Louisiana, Oklahoma                   | 7,315               | 18,324                                       | 23,301                                   | 2,720                            | -----           | 3,535                        | 26,854      | 32,970       | 1,245                |
| Texas                                           | 125,482             | 120,912                                      | 204,719                                  | -----                            | -----           | 47,277                       | 255,113     | 297,224      | 121,452              |
| Total                                           | 132,797             | 139,236                                      | 228,020                                  | 2,720                            | -----           | 50,812                       | 281,967     | 330,194      | 122,697              |
| Rocky Mountain:                                 |                     |                                              |                                          |                                  |                 |                              |             |              |                      |
| Arizona, Colorado, Idaho, Montana, Nevada, Utah | 118,543             | 53,245                                       | 136,313                                  | 3,457                            | -----           | 13,679                       | 153,449     | 374,071      | 241,670              |
| Total                                           | 118,543             | 53,245                                       | 136,313                                  | 3,457                            | -----           | 13,679                       | 153,449     | 374,071      | 241,670              |
| Pacific Coast:                                  |                     |                                              |                                          |                                  |                 |                              |             |              |                      |
| California and Hawaii                           | 139,261             | 147,113                                      | 214,466                                  | 1,056                            | 205             | 48,261                       | 263,988     | 334,920      | 188,615              |
| Oregon and Washington                           | 16,678              | 70,247                                       | 67,594                                   | 1,913                            | 585             | 7,362                        | 77,454      | 144,021      | 1,182                |
| Total                                           | 155,939             | 217,360                                      | 282,060                                  | 2,969                            | 790             | 55,623                       | 341,442     | 478,941      | 189,797              |
| U.S. total                                      | 4,752,045           | 3,590,137                                    | 6,087,616                                | 304,727                          | 85,950          | 1,331,217                    | 7,809,510   | 8,035,247    | 7,943,480            |

<sup>1/</sup> Includes 503,924 short tons that was shipped, transferred or otherwise disposed of during the month.  
<sup>2/</sup> Pennsylvania is divided into East and West by the eastern boundary of the following counties: McKean, Cameron, Clearfield, Cambria, and Somerset.  
<sup>3/</sup> Ohio is divided into East and West by the eastern boundary of the following counties: Ottawa, Sandusky, Seneca, Crawford, Morrow, Delaware, Franklin, Pickaway, Ross, Pike, and Scioto.  
<sup>4/</sup> Figures withheld to avoid disclosing individual company confidential data; included in U.S. total.

CONSUMPTION OF IRON AND STEEL SCRAP AND PIG IRON

Consumption of scrap in October totaled 7,809,510 short tons which was at an average daily rate of 251,920 tons or 2 percent greater than for the year 1965.

In October, open-hearth furnaces used 40 percent of the total scrap, and 57 percent of the pig iron compared with 42 and 59 percent, respectively, in September; electric furnaces in October used 11 percent of the combined total of iron and steel scrap and pig iron charged to all furnaces, with open-hearth using 48 percent. During 1965, these percentages were 10 and 59 percent, respectively. Blast furnaces used 6 percent of the total scrap; the corresponding percentage for the year 1965 was 6.

During October, steelmaking furnaces (open-hearth, Bessemer, basic oxygen converter, and electric) accounted for 75 percent of the total scrap, and 92 percent of the pig iron consumed, compared with 75 and 91 percent, respectively, during September. In 1965, steelmaking furnaces used 76 percent of the total scrap, and 91 percent of the pig iron. The remainder was used in ironmaking furnaces, principally the cupola. Consumption by type of furnace during October is shown in the following table:

Table 10.-Consumption of iron and steel scrap, and pig iron, by type of manufacturers and furnaces during October 1966  
(Short tons)

| Type of furnace<br>or equipment       | Steel ingots and<br>castings <sup>1/</sup> |           | Steel castings<br><sup>2/</sup> |          | Iron foundries and<br>miscellaneous users |          | Total     |           |
|---------------------------------------|--------------------------------------------|-----------|---------------------------------|----------|-------------------------------------------|----------|-----------|-----------|
|                                       | Scrap                                      | Pig iron  | Scrap                           | Pig iron | Scrap                                     | Pig iron | Scrap     | Pig iron  |
| Basic oxygen converters <sup>3/</sup> | 1,120,825                                  | 2,721,851 | -----                           | -----    | -----                                     | -----    | 1,120,825 | 2,721,851 |
| Bessemer converters                   | 234                                        | 22,005    | -----                           | -----    | -----                                     | 639      | 5,445     | 22,644    |
| Open-hearth furnaces                  | 3,065,390                                  | 4,487,035 | 468                             | 8,396    | 4,743                                     | -----    | 3,122,146 | 4,495,431 |
| Electric furnaces <sup>4/</sup>       | 1,383,870                                  | 23,472    | 56,756                          | 3,159    | -----                                     | 4,287    | 1,629,236 | 30,918    |
| Total steelmaking furnaces            | 5,570,319                                  | 7,234,363 | 271,731                         | 11,555   | 35,602                                    | 4,926    | 5,877,552 | 7,270,844 |
| Blast furnaces <sup>5/</sup>          | 452,118                                    | -----     | -----                           | -----    | -----                                     | -----    | 452,118   | -----     |
| Cupola furnaces                       | 117,326                                    | 21,625    | 33,145                          | 1,433    | 1,136,410                                 | 285,257  | 1,286,881 | 308,315   |
| Air furnaces                          | 3,834                                      | 1,158     | 18,217                          | 2,963    | 113,897                                   | 10,124   | 135,948   | 14,245    |
| Direct castings                       | -----                                      | 279,780   | -----                           | -----    | -----                                     | 70,296   | -----     | 350,076   |
| Ferroalloy                            | -----                                      | -----     | -----                           | -----    | 41,129                                    | -----    | 41,129    | -----     |
| Miscellaneous                         | 3,989                                      | -----     | -----                           | -----    | 11,793                                    | -----    | 15,782    | -----     |
| Total October 1966                    | 6,147,586                                  | 7,556,926 | 323,093                         | 15,951   | 1,338,831                                 | 370,603  | 7,809,510 | 7,943,480 |
| Total September 1966                  | 5,983,395                                  | 7,410,686 | 326,173                         | 15,400   | 1,367,608                                 | 371,468  | 7,677,176 | 7,797,554 |
| Total August 1966                     | 5,958,833                                  | 7,341,438 | 302,946                         | 16,338   | 1,236,054                                 | 375,788  | 7,497,833 | 7,733,564 |
| Total July 1966                       | 5,510,106                                  | 7,281,442 | 255,628                         | 11,286   | 1,029,268                                 | 303,360  | 6,795,002 | 7,596,088 |
| Total June 1966                       | 6,077,707                                  | 7,434,445 | 347,031                         | 16,758   | 1,372,649                                 | 390,584  | 7,797,387 | 7,841,787 |
| Total May 1966                        | 6,526,835                                  | 7,902,568 | 331,821                         | 15,279   | 1,372,336                                 | 381,512  | 8,230,992 | 8,299,359 |

<sup>1/</sup> Includes only those castings made by companies producing steel ingots. <sup>2/</sup> Excludes companies that produce both steel castings and steel ingots. <sup>3/</sup> Includes scrap and pig iron processed in metallurgical blast cupola and used in oxygen converters. <sup>4/</sup> Includes crucible furnaces. <sup>5/</sup> Includes consumption in all blast furnaces producing pig iron.

Table 11.-Consumption of iron and steel scrap and pig iron in open-hearth furnaces in the United States, by districts and States, during October 1966  
(Short tons)

| District and State                     | Scrap     | Pig iron  | Total charge |
|----------------------------------------|-----------|-----------|--------------|
| New England and Middle Atlantic:       |           |           |              |
| New York and Rhode Island-----         | 149,118   | 166,279   | 315,397      |
| Pennsylvania (East)-----               | 327,275   | 513,981   | 841,256      |
| Pennsylvania (West)-----               | 520,744   | 859,153   | 1,379,897    |
| Total-----                             | 997,137   | 1,539,413 | 2,536,550    |
| East North Central:                    |           |           |              |
| Illinois-----                          | 253,415   | 391,227   | 644,642      |
| Indiana-----                           | 571,614   | 592,784   | 1,164,398    |
| Michigan and Wisconsin-----            | 111,026   | 100,638   | 211,664      |
| Ohio (East)-----                       | 396,113   | 610,239   | 1,006,352    |
| Ohio (West)-----                       | 128,085   | 202,230   | 330,315      |
| Total-----                             | 1,460,253 | 1,897,118 | 3,357,371    |
| West North Central:                    |           |           |              |
| Minnesota and Missouri-----            | 35,405    | 40,600    | 76,005       |
| Total-----                             | 35,405    | 40,600    | 76,005       |
| South Atlantic:                        |           |           |              |
| Delaware, Maryland, West Virginia----- | 231,271   | 481,648   | 712,919      |
| Total-----                             | 231,271   | 481,648   | 712,919      |
| East and West South Central:           |           |           |              |
| Alabama, Kentucky, Texas-----          | 219,356   | 311,926   | 531,282      |
| Total-----                             | 219,356   | 311,926   | 531,282      |
| Rocky Mountain and Pacific Coast:      |           |           |              |
| California, Colorado, Utah-----        | 178,724   | 224,726   | 403,450      |
| Total-----                             | 178,724   | 224,726   | 403,450      |
| U.S. total-----                        | 3,122,146 | 4,495,431 | 7,617,577    |

# FOREIGN TRADE

Exports of iron and steel scrap totaled 629,772 short tons in October compared with 658,174 tons in September. Exports of pig iron during October totaled 730 tons and 2,012 tons in September. Imports of scrap totaled 15,066 short tons in October compared with 13,873 tons in September. Of the scrap imported during October, 14,887 short tons came from Canada and 179 tons from other sources. Imports of pig iron totaled 99,020 short tons in October and 206,221 tons in September. In addition to the foregoing imports of pig iron during October, there were 3,293 tons of sponge iron, valued at \$339,566, imported, of which 1,074 tons came from Canada and 2,219 tons from Sweden.

Table 12.-U.S. exports of iron and steel scrap, by countries

| Country            | October 1966 |            | Jan. through Oct. 1966 |             |
|--------------------|--------------|------------|------------------------|-------------|
|                    | Short tons   | Value      | Short tons             | Value       |
| Argentina-----     | 24           | \$2,900    | 22,214                 | \$668,605   |
| Canada-----        | 61,269       | 1,620,616  | 648,080                | 18,805,814  |
| France-----        | -----        | 840        | 8,707                  | 379,565     |
| Germany, West----- | -----        | -----      | 14,708                 | 532,162     |
| Italy-----         | 42,270       | 1,362,847  | 300,720                | 8,312,061   |
| Japan-----         | 412,817      | 11,854,903 | 2,442,000              | 67,067,544  |
| Korea-----         | 44,595       | 1,547,245  | 248,905                | 8,718,017   |
| Mexico-----        | 53,833       | 1,724,283  | 646,754                | 20,861,289  |
| Spain-----         | -----        | -----      | 84,473                 | 2,027,310   |
| Sweden-----        | 967          | 197,916    | 44,935                 | 2,243,241   |
| Taiwan-----        | 13,289       | 443,676    | 113,636                | 4,235,957   |
| All others-----    | 708          | 53,646     | 242,675                | 7,437,807   |
| Total-----         | 629,772      | 18,808,872 | 4,817,807              | 141,289,372 |

Table 13.-U.S. exports of iron and steel scrap, by grades

| Grades of scrap                     | October 1966 |             | Jan. through Oct. 1966 |              |
|-------------------------------------|--------------|-------------|------------------------|--------------|
|                                     | Short tons   | Value       | Short tons             | Value        |
| No. 1 heavy melting steel scrap---  | 271,816      | \$8,320,379 | 1,842,456              | \$57,959,321 |
| No. 2 heavy melting steel scrap---  | 110,927      | 3,003,943   | 782,939                | 21,298,566   |
| No. 1 bundles-----                  | 26,378       | 965,897     | 194,478                | 6,334,097    |
| No. 2 bundles-----                  | 138,011      | 3,052,801   | 1,069,226              | 22,956,707   |
| Borings, shovelings, and turnings-- | 24,911       | 521,688     | 297,675                | 6,335,478    |
| Iron scrap-----                     | 30,804       | 857,326     | 226,113                | 6,695,061    |
| Stainless steel scrap-----          | 4,995        | 1,282,245   | 25,468                 | 6,156,331    |
| All other scrap <u>1</u> /-----     | 21,930       | 804,593     | 379,452                | 13,553,811   |
| Total-----                          | 629,772      | 18,808,872  | 4,817,807              | 141,289,372  |

1/ Includes tin plate and terne plate.