



# Manufacturers' Shipments, Inventories, and Orders

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All figures in text are in seasonally adjusted current dollars

## Summary

New orders for manufactured goods in October decreased \$0.9 billion or 0.2 percent to \$360.0 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 1.0 percent September decrease. Excluding transportation, new orders decreased 0.5 percent. Year-to-date, new orders are 5.4 percent above the same period a year ago.

Shipments increased \$1.5 billion or 0.4 percent to \$360.3 billion, following a 0.9 percent September decrease. This is the fifth increase in the last six months. Year-to-date, shipments are 4.8 percent above the same period a year ago.

Unfilled orders decreased \$0.3 billion to \$525.2 billion, following a 0.4 percent September increase. This is the first decrease since June. The unfilled orders-to-shipments ratio was 2.56, down from 2.58 in September.

Inventories increased \$1.4 billion or 0.3 percent to \$467.0 billion, following a 0.3 percent September increase. The inventories-to-shipments ratio was 1.30, unchanged from September.

## New Orders

New orders for manufactured durable goods in October decreased \$2.5 billion or 1.2 percent to \$201.9 billion, revised from the previously published 1.3 percent decrease.

Electronic and other electrical equipment had the largest decrease, \$4.0 billion or 10.4 percent to \$34.7 billion. This is the first decrease since May 1999 and the largest since July 1997. Industrial machinery and equipment increased \$0.7 billion or 1.7 percent to \$39.7 billion. Transportation equipment, up five of the last six months, increased \$0.6 billion or 1.3 percent to \$47.2 billion.

New orders for nondurable goods, up five of the last six months, increased \$1.6 billion or 1.0 percent to \$158.1 billion. Paper and allied products and chemicals and allied products had the largest increases.

## Shipments

Shipments of durable goods in October increased \$0.7 billion or 0.3 percent to \$202.6 billion, revised from the previously published 0.7 percent increase. This is the fifth increase in the last six months.

Industrial machinery and equipment had the largest increase, \$1.9 billion or 4.9 percent to \$39.6 billion. Transportation equipment decreased \$0.8 billion or 1.7 percent to \$47.7 billion. Electronic and other electrical equipment, down three consecutive months, decreased \$0.5 billion or 1.4 percent to \$34.8 billion.

Shipments of nondurable goods increased \$0.9 billion or 0.6 percent to \$157.7 billion. This is the sixth consecutive increase. Chemicals and allied products, up six consecutive months, increased \$0.5 billion or 1.3 percent to \$35.5 billion.

## Unfilled Orders

Unfilled orders for durable goods in October decreased \$0.7 billion or 0.1 percent to \$499.6 billion, revised from the previously published 0.5 percent decrease. This is the first decrease since June. Transportation equipment, down nine consecutive months, had the largest decrease, \$0.5 billion or 0.2 percent to \$225.7 billion. Instruments and related products, down five consecutive months, decreased \$0.3 billion or 0.7 percent to \$46.0 billion.

## Inventories

Inventories of durable goods in October increased \$0.3 billion or 0.1 percent to \$293.2 billion.

Electronic and other electrical equipment had the largest increase, \$0.4 billion or 1.1 percent to \$42.0 billion. This is the eighth increase in the last nine months and the largest since February. Transportation equipment, down seven of the last eight months, decreased \$0.3 billion or 0.5 percent to \$70.4 billion.

Inventories of nondurable goods, up seven of the last eight months, increased \$1.1 billion or 0.6 percent to \$173.9 billion. Food and kindred products had the largest increase, \$0.5 billion or 1.4 percent to \$38.7 billion.

By stage of fabrication, October finished goods increased 0.4 percent in durables and 1.0 percent in nondurables. Work in process increased 0.2 percent in durables and 1.1 percent in nondurables. Materials and supplies decreased 0.2 percent in durables and 0.1 percent in nondurables.

Our internet address is: <http://www.census.gov/indicator/www/m3>

**Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS**  
(Millions of dollars)

| Industry  | Seasonally adjusted    |                         |           |                |            |           | Not seasonally adjusted <sup>1</sup> |                         |           |           |                |                   |           |
|---|------------------------|-------------------------|-----------|----------------|------------|-----------|--------------------------------------|-------------------------|-----------|-----------|----------------|-------------------|-----------|
|   | Monthly                |                         |           | Percent Change |            |           | Monthly                              |                         |           |           | Percent change | Year to date      |           |
|   | Oct. 1999 <sup>a</sup> | Sept. 1999 <sup>a</sup> | Aug. 1999 | Sept.-Oct.     | Aug.-Sept. | July-Aug. | Oct. 1999 <sup>a</sup>               | Sept. 1999 <sup>a</sup> | Aug. 1999 | Oct. 1998 |                | 1999 <sup>b</sup> | 1998      |
| All manufacturing industries . . . . .  | 360,255                | 358,709                 | 361,844   | +0.4           | -0.9       | +1.3      | 370,154                              | 384,195                 | 363,407   | 350,525   | +5.6           | 3,529,290         | 3,368,786 |
| Manufacturing Industries  |                        |                         |           |                |            |           |                                      |                         |           |           |                |                   |           |
| with unfilled orders . . . . .  | 205,137                | 203,501                 | 206,643   | +0.8           | -1.5       | +1.2      | 208,301                              | 221,109                 | 204,760   | 200,633   | +3.8           | 2,006,706         | 1,930,545 |
| without defense capital goods . . .   | 353,783                | 352,254                 | 355,376   | +0.4           | -0.9       | +1.3      | 363,672                              | 377,344                 | 357,194   | 343,522   | +5.9           | 3,465,201         | 3,303,852 |
| Durable goods industries . . . . .  | 202,570                | 201,895                 | 205,709   | +0.3           | -1.9       | +1.2      | 207,029                              | 219,306                 | 203,223   | 199,125   | +4.0           | 1,994,545         | 1,883,035 |
| With unfilled orders . . . . .  | 167,377                | 165,775                 | 168,889   | +1.0           | -1.8       | +1.4      | 169,045                              | 181,172                 | 165,533   | 162,408   | +4.1           | 1,633,300         | 1,555,630 |
| Stone, clay, and glass products . . . .   | 8,868                  | 8,867                   | 8,859     | 0.0            | +0.1       | +3.3      | 9,450                                | 9,456                   | 9,358     | 8,757     | +7.9           | 86,931            | 80,747    |
| Primary metals . . . . .  | 15,168                 | 15,298                  | 15,204    | -0.8           | +0.6       | +2.0      | 15,547                               | 15,852                  | 15,298    | 14,935    | +4.1           | 148,860           | 154,062   |
| Blast furnaces, steel mills . . . . .   | 5,865                  | 5,814                   | 5,824     | +0.9           | -0.2       | +2.5      | 6,018                                | 5,949                   | 5,897     | 5,851     | +2.9           | 57,356            | 62,548    |
| Iron and steel foundries . . . . .  | 1,469                  | 1,540                   | 1,554     | -4.6           | -0.9       | -0.8      | 1,555                                | 1,634                   | 1,575     | 1,603     | -3.0           | 15,521            | 15,299    |
| Nonferrous and other primary metals . . . . .   | 7,834                  | 7,944                   | 7,826     | -1.4           | +1.5       | +2.2      | 7,974                                | 8,269                   | 7,826     | 7,481     | +6.6           | 75,983            | 76,215    |
| Fabricated metal products . . . . .   | 20,296                 | 20,377                  | 20,781    | -0.4           | -1.9       | +1.9      | 21,399                               | 21,576                  | 21,368    | 21,391    | 0.0            | 206,059           | 200,288   |
| Industrial machinery and equipment . .  | 39,601                 | 37,742                  | 38,691    | +4.9           | -2.5       | -1.9      | 38,387                               | 41,716                  | 36,108    | 35,476    | +8.2           | 376,440           | 367,689   |
| Engines and turbines . . . . .  | 2,616                  | 2,708                   | 2,732     | -3.4           | -0.9       | +6.5      | 2,523                                | 3,026                   | 2,467     | 2,250     | +12.1          | 24,352            | 21,903    |
| Farm and garden machinery . . . . .   | 1,572                  | 1,688                   | 1,753     | -6.9           | -3.7       | -0.5      | 1,402                                | 1,550                   | 1,416     | 1,624     | -13.7          | 19,195            | 21,285    |
| Construction, mining and material handling equipment . . . . .                        | 3,709                  | 3,793                   | 3,743     | -2.2           | +1.3       | -1.2      | 3,637                                | 3,868                   | 3,569     | 4,044     | -10.1          | 39,054            | 42,824    |
| Metalworking machinery . . . . .  | 4,070                  | 3,840                   | 3,712     | +6.0           | +3.4       | +2.1      | 4,553                                | 4,352                   | 3,553     | 3,882     | +17.3          | 35,992            | 34,206    |
| Computer and office equipment . . . .   | 12,975                 | 11,112                  | 11,972    | +16.8          | -7.2       | -8.8      | 11,497                               | 13,835                  | 10,849    | 9,633     | +19.4          | 113,332           | 105,035   |
| Electronic and other electrical equipment . . . . .                                   | 34,830                 | 35,307                  | 35,339    | -1.4           | -0.1       | -0.1      | 34,759                               | 40,421                  | 34,123    | 32,427    | +7.2           | 335,439           | 305,013   |
| Electrical transmission and distribution equipment and industrial apparatus . . . . . | 3,769                  | 3,933                   | 4,141     | -4.2           | -5.0       | +4.3      | 3,602                                | 4,499                   | 4,088     | 3,522     | +2.3           | 38,283            | 36,877    |
| Household appliances . . . . .  | 2,336                  | 2,221                   | 2,432     | +5.2           | -8.7       | +0.6      | 2,304                                | 2,344                   | 2,474     | 2,067     | +11.5          | 23,588            | 20,896    |
| Electric lighting and wiring equipment . . . . .                                      | 2,490                  | 2,535                   | 2,539     | -1.8           | -0.2       | +3.8      | 2,436                                | 2,871                   | 2,536     | 2,225     | +9.5           | 23,794            | 22,115    |
| Household audio and video equipment . . . . .   | 1,001                  | 1,061                   | 1,090     | -5.7           | -2.7       | -2.6      | 1,266                                | 1,278                   | 1,138     | 1,340     | -5.5           | 10,400            | 9,993     |
| Communications equipment . . . . .  | 8,492                  | 8,893                   | 8,723     | -4.5           | +1.9       | -1.5      | 7,872                                | 10,521                  | 7,679     | 6,995     | +12.5          | 80,573            | 67,860    |
| Electronic components . . . . .   | 14,574                 | 14,322                  | 14,071    | +1.8           | +1.8       | -1.4      | 14,828                               | 16,134                  | 13,894    | 13,649    | +8.6           | 136,506           | 125,969   |
| Transportation equipment . . . . .  | 47,730                 | 48,555                  | 50,980    | -1.7           | -4.8       | +4.4      | 50,956                               | 51,593                  | 51,079    | 51,680    | -1.4           | 485,435           | 440,489   |
| Motor vehicles and parts . . . . .  | 32,946                 | 33,908                  | 34,669    | -2.8           | -2.2       | +0.3      | 36,584                               | 35,918                  | 35,318    | 35,596    | +2.8           | 335,722           | 298,692   |
| Aircraft, missiles, space vehicles, and parts . . . . .                               | 11,496                 | 10,890                  | 12,808    | +5.6           | -15.0      | +17.7     | 11,037                               | 11,505                  | 12,132    | 12,335    | -10.5          | 115,198           | 109,881   |
| Shipbuilding and tanks . . . . .  | 995                    | 1,217                   | 1,056     | -18.2          | +15.2      | +7.6      | 959                                  | 1,303                   | 1,027     | 1,475     | -35.0          | 9,866             | 9,877     |
| Instruments and related products . . . .  | 14,863                 | 14,797                  | 14,474    | +0.4           | +2.2       | +0.9      | 14,590                               | 16,386                  | 13,975    | 13,698    | +6.5           | 143,250           | 139,013   |
| Search and navigation equipment . . . .   | 3,175                  | 3,119                   | 3,125     | +1.8           | -0.2       | -2.6      | 3,082                                | 3,424                   | 3,014     | 3,074     | +0.3           | 31,171            | 30,212    |
| Measuring and controlling devices . . .   | 4,379                  | 4,307                   | 4,257     | +1.7           | +1.2       | +2.2      | 4,319                                | 4,720                   | 4,217     | 3,838     | +12.5          | 41,511            | 40,277    |
| Medical instruments and supplies . . .  | 4,864                  | 4,975                   | 4,759     | -2.2           | +4.5       | +1.3      | 4,618                                | 5,569                   | 4,528     | 4,309     | +7.2           | 47,530            | 44,481    |
| Photographic goods . . . . .  | 1,944                  | 1,897                   | 1,835     | +2.5           | +3.4       | +1.2      | 2,081                                | 2,149                   | 1,719     | 2,032     | +2.4           | 18,157            | 19,477    |
| All other durable goods . . . . .   | 21,214                 | 20,952                  | 21,381    | +1.3           | -2.0       | -0.2      | 21,941                               | 22,306                  | 21,914    | 20,761    | +5.7           | 212,130           | 195,734   |
| Nondurable goods industries . . . . .   | 157,685                | 156,814                 | 156,135   | +0.6           | +0.4       | +1.4      | 163,125                              | 164,889                 | 160,184   | 151,400   | +7.7           | 1,534,745         | 1,485,751 |
| With unfilled orders . . . . .  | 37,760                 | 37,726                  | 37,754    | +0.1           | -0.1       | +0.2      | 39,256                               | 39,937                  | 39,227    | 38,225    | +2.7           | 373,406           | 374,915   |
| Food and kindred products . . . . .   | 42,292                 | 42,142                  | 41,767    | +0.4           | +0.9       | +1.1      | 43,815                               | 44,064                  | 42,498    | 42,783    | +2.4           | 416,049           | 407,241   |
| Meat products . . . . .   | 9,346                  | 9,211                   | 9,061     | +1.5           | +1.7       | +3.3      | 9,604                                | 9,457                   | 9,419     | 8,773     | +9.5           | 88,771            | 87,179    |
| Dairy products . . . . .  | 6,450                  | 6,538                   | 6,511     | -1.3           | +0.4       | +3.8      | 6,314                                | 6,759                   | 6,535     | 6,339     | -0.4           | 64,261            | 61,271    |
| Beverages . . . . .   | 6,445                  | 6,399                   | 6,333     | +0.7           | +1.0       | +0.3      | 6,455                                | 6,593                   | 6,815     | 6,114     | +5.6           | 63,937            | 61,619    |
| All other foods, except fats and oils . .   | 18,142                 | 18,201                  | 18,138    | -0.3           | +0.3       | -0.6      | 19,533                               | 19,462                  | 18,005    | 19,470    | +0.3           | 180,672           | 176,505   |
| Tobacco products . . . . .  | 4,435                  | 4,275                   | 4,257     | +3.7           | +0.4       | -0.2      | 4,522                                | 4,132                   | 4,319     | 3,659     | +23.6          | 41,923            | 34,367    |
| Textile mill products . . . . .   | 6,619                  | 6,502                   | 6,514     | +1.8           | -0.2       | -0.4      | 6,989                                | 7,130                   | 6,912     | 6,836     | +2.2           | 65,787            | 68,266    |
| Broadwoven fabrics and other textiles . . . . .                                       | 3,630                  | 3,609                   | 3,657     | +0.6           | -1.3       | -1.5      | 3,699                                | 3,963                   | 3,765     | 3,948     | -6.3           | 37,340            | 41,235    |
| Paper and allied products . . . . .   | 13,767                 | 13,777                  | 13,949    | -0.1           | -1.2       | +2.8      | 14,073                               | 14,250                  | 14,220    | 13,735    | +2.5           | 136,360           | 138,877   |
| Pulp, paper, and paperboard mill products . . . . .                                   | 5,243                  | 5,361                   | 5,470     | -2.2           | -2.0       | +4.3      | 5,333                                | 5,534                   | 5,605     | 5,235     | +1.9           | 52,329            | 53,658    |
| Paperboard containers and boxes . . .   | 3,638                  | 3,541                   | 3,570     | +2.7           | -0.8       | +5.3      | 3,793                                | 3,620                   | 3,669     | 3,545     | +7.0           | 34,349            | 36,109    |
| Miscellaneous converted paper products . . . . .                                      | 4,886                  | 4,875                   | 4,909     | +0.2           | -0.7       | -0.6      | 4,947                                | 5,096                   | 4,946     | 4,955     | -0.2           | 49,682            | 49,110    |
| Chemicals and allied products . . . . .   | 35,495                 | 35,040                  | 35,028    | +1.3           | 0.0        | +1.3      | 35,051                               | 36,521                  | 34,532    | 31,536    | +11.1          | 343,236           | 327,365   |
| Industrial chemicals . . . . .  | 15,957                 | 15,677                  | 15,296    | +1.8           | +2.5       | +0.2      | 15,886                               | 16,007                  | 15,274    | 14,397    | +10.3          | 151,889           | 151,725   |
| Drugs, soaps, and toiletries . . . . .  | 15,689                 | 15,481                  | 15,731    | +1.3           | -1.6       | +1.8      | 15,813                               | 17,153                  | 15,639    | 13,850    | +14.2          | 151,239           | 135,665   |
| Petroleum and coal products . . . . .   | 15,582                 | 15,663                  | 15,218    | -0.5           | +2.9       | +4.5      | 16,687                               | 16,642                  | 16,227    | 12,267    | +36.0          | 137,475           | 123,920   |
| Rubber and plastics products . . . . .  | 13,772                 | 13,701                  | 13,839    | +0.5           | -1.0       | +3.5      | 14,339                               | 14,291                  | 14,131    | 13,796    | +3.9           | 137,841           | 133,461   |
| All other nondurable goods . . . . .  | 25,723                 | 25,714                  | 25,563    | 0.0            | +0.6       | -1.1      | 27,649                               | 27,859                  | 27,345    | 26,788    | +3.2           | 256,074           | 252,254   |

<sup>a</sup> Preliminary. <sup>b</sup> Revised.

<sup>1</sup> Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision.

**Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS**  
(Millions of dollars)

| Industry  | Seasonally adjusted       |                            |              |                |                |               | Not seasonally adjusted <sup>1</sup> |                            |              |              |                                 |                   |           |
|---|---------------------------|----------------------------|--------------|----------------|----------------|---------------|--------------------------------------|----------------------------|--------------|--------------|---------------------------------|-------------------|-----------|
|   | Monthly                   |                            |              | Percent Change |                |               | Monthly                              |                            |              |              | Percent change<br>Oct.<br>99/98 | Year to date      |           |
|   | Oct.<br>1999 <sup>p</sup> | Sept.<br>1999 <sup>r</sup> | Aug.<br>1999 | Sept.-<br>Oct. | Aug.-<br>Sept. | July-<br>Aug. | Oct.<br>1999 <sup>p</sup>            | Sept.<br>1999 <sup>r</sup> | Aug.<br>1999 | Oct.<br>1998 |                                 | 1999 <sup>p</sup> | 1998      |
| All manufacturing industries . . . . .  | 360,004                   | 360,886                    | 364,440      | -0.2           | -1.0           | +1.3          | 374,020                              | 380,404                    | 365,069      | 347,900      | +7.5                            | 3,541,352         | 3,359,993 |
| Manufacturing industries  |                           |                            |              |                |                |               |                                      |                            |              |              |                                 |                   |           |
| with unfilled orders . . . . .  | 204,886                   | 205,678                    | 209,239      | -0.4           | -1.7           | +1.2          | 212,167                              | 217,318                    | 206,422      | 198,008      | +7.2                            | 2,018,768         | 1,921,752 |
| without defense capital goods . . . . .   | 352,250                   | 355,401                    | 359,392      | -0.9           | -1.1           | +1.7          | 365,933                              | 375,331                    | 361,402      | 342,165      | +6.9                            | 3,481,991         | 3,303,101 |
| Durable goods industries . . . . .  | 201,867                   | 204,349                    | 207,446      | -1.2           | -1.5           | +0.9          | 211,122                              | 216,720                    | 204,162      | 197,533      | +6.9                            | 2,004,496         | 1,876,221 |
| With unfilled orders . . . . .  | 166,674                   | 168,229                    | 170,626      | -0.9           | -1.4           | +1.1          | 173,138                              | 178,586                    | 166,472      | 160,816      | +7.7                            | 1,643,251         | 1,548,816 |
| Stone, clay, and glass products . . . . .   | 8,953                     | 8,955                      | 8,804        | 0.0            | +1.7           | +3.3          | 9,469                                | 9,518                      | 9,265        | 8,520        | +11.1                           | 86,926            | 80,749    |
| Primary metals . . . . .  | 15,370                    | 15,461                     | 15,659       | -0.6           | -1.3           | -0.5          | 15,021                               | 15,242                     | 15,558       | 13,123       | +14.5                           | 150,681           | 147,574   |
| Blast furnaces, steel mills . . . . .   | 5,930                     | 5,931                      | 6,065        | 0.0            | -2.2           | +3.3          | 5,767                                | 5,609                      | 5,990        | 4,798        | +20.2                           | 58,397            | 58,823    |
| Iron and steel foundries . . . . .  | 1,494                     | 1,445                      | 1,632        | +3.4           | -11.5          | +0.7          | 1,553                                | 1,450                      | 1,662        | 1,570        | -1.1                            | 14,905            | 15,163    |
| Nonferrous and other primary metals . . . . .   | 7,946                     | 8,085                      | 7,962        | -1.7           | +1.5           | -3.3          | 7,701                                | 8,183                      | 7,906        | 6,755        | +14.0                           | 77,379            | 73,588    |
| Fabricated metal products . . . . .   | 20,034                    | 20,168                     | 20,814       | -0.7           | -3.1           | +2.6          | 20,862                               | 21,143                     | 21,361       | 21,088       | -1.1                            | 205,151           | 199,882   |
| Industrial machinery and equipment . . . . .  | 39,745                    | 39,077                     | 39,110       | +1.7           | -0.1           | -2.8          | 39,121                               | 43,040                     | 36,479       | 34,785       | +12.5                           | 382,946           | 368,420   |
| Engines and turbines . . . . .  | 2,811                     | 3,793                      | 2,998        | -25.9          | +26.5          | +3.2          | 3,057                                | 4,585                      | 2,897        | 2,994        | +2.1                            | 30,216            | 26,694    |
| Construction, mining and material handling equipment . . . . .                        | 3,550                     | 3,586                      | 3,674        | -1.0           | -2.4           | -0.6          | 3,551                                | 3,612                      | 3,302        | 3,839        | -7.5                            | 37,671            | 42,147    |
| Metalworking machinery . . . . .  | 4,025                     | 3,962                      | 3,751        | +1.6           | +5.6           | -4.4          | 4,508                                | 4,474                      | 3,592        | 3,641        | +23.8                           | 36,633            | 33,951    |
| Computer and office equipment . . . . .   | 12,788                    | 11,017                     | 12,112       | +16.1          | -9.0           | -8.8          | 11,296                               | 13,589                     | 10,956       | 9,522        | +18.6                           | 113,638           | 105,288   |
| Electronic and other electrical equipment . . . . .                                   | 34,724                    | 38,734                     | 38,616       | -10.4          | +0.3           | +1.7          | 40,284                               | 40,871                     | 37,824       | 37,676       | +6.9                            | 357,336           | 314,502   |
| Electrical transmission and distribution equipment and industrial apparatus . . . . . | 3,907                     | 3,904                      | 4,452        | +0.1           | -12.3          | +10.0         | 3,836                                | 4,326                      | 4,436        | 3,641        | +5.4                            | 39,021            | 36,733    |
| Electric lighting and wiring equipment . . . . .                                      | 2,563                     | 2,242                      | 2,466        | +14.3          | -9.1           | -2.3          | 2,509                                | 2,578                      | 2,463        | 2,245        | +11.8                           | 23,854            | 22,194    |
| Communications equipment . . . . .  | 10,593                    | 10,261                     | 8,361        | +3.2           | +22.7          | -6.0          | 10,876                               | 11,516                     | 7,295        | 7,388        | +47.2                           | 85,263            | 71,029    |
| Electronic components . . . . .   | 12,027                    | 16,801                     | 17,604       | -28.4          | -4.6           | +5.5          | 16,755                               | 16,257                     | 17,722       | 18,111       | -7.5                            | 153,031           | 132,366   |
| Transportation equipment . . . . .  | 47,217                    | 46,593                     | 49,000       | +1.3           | -4.9           | +3.7          | 49,923                               | 49,046                     | 48,278       | 48,013       | +4.0                            | 466,675           | 432,431   |
| Aircraft, missiles, space vehicles, and parts . . . . .                               | 10,829                    | 9,480                      | 11,415       | +14.2          | -17.0          | +10.8         | 10,033                               | 9,687                      | 9,845        | 8,842        | +13.5                           | 100,657           | 102,025   |
| Shipbuilding and tanks . . . . .  | 992                       | 785                        | 577          | +26.4          | +36.0          | -15.1         | 940                                  | 892                        | 537          | 1,939        | -51.5                           | 8,796             | 9,958     |
| Instruments and related products . . . . .  | 14,533                    | 14,440                     | 14,111       | +0.6           | +2.3           | -0.4          | 14,265                               | 15,809                     | 13,632       | 13,397       | +6.5                            | 141,695           | 136,535   |
| Search and navigation equipment . . . . .   | 2,958                     | 2,883                      | 2,813        | +2.6           | +2.5           | -2.2          | 2,622                                | 3,161                      | 2,492        | 2,412        | +8.7                            | 29,567            | 27,416    |
| Measuring and controlling devices . . . . .   | 4,287                     | 4,334                      | 4,082        | -1.1           | +6.2           | -2.0          | 4,227                                | 4,747                      | 4,042        | 3,841        | +10.0                           | 41,411            | 39,638    |
| Medical instruments and supplies . . . . .  | 4,815                     | 4,823                      | 4,867        | -0.2           | -0.9           | +0.6          | 4,827                                | 5,236                      | 4,874        | 4,701        | +2.7                            | 47,780            | 46,104    |
| All other durable goods . . . . .   | 21,291                    | 20,921                     | 21,332       | +1.8           | -1.9           | -0.1          | 22,177                               | 22,051                     | 21,765       | 20,931       | +6.0                            | 213,136           | 196,128   |
| Nondurable goods industries . . . . .   | 158,137                   | 156,537                    | 156,994      | +1.0           | -0.3           | +1.7          | 162,898                              | 163,684                    | 160,907      | 150,367      | +8.3                            | 1,536,856         | 1,483,772 |
| With unfilled orders . . . . .  | 38,212                    | 37,449                     | 38,613       | +2.0           | -3.0           | +1.5          | 39,029                               | 38,732                     | 39,950       | 37,192       | +4.9                            | 375,517           | 372,936   |

<sup>p</sup> Preliminary. <sup>r</sup> Revised.

<sup>1</sup> Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net increase from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. For details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1 "Manufacturers' Shipments, Inventories, and Orders: 1987-1996."

**Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS**  
(Millions of dollars)

| Industry  | Seasonally adjusted       |                            |              |                |                |               | Not seasonally adjusted   |                            |              |              |                                 |
|---|---------------------------|----------------------------|--------------|----------------|----------------|---------------|---------------------------|----------------------------|--------------|--------------|---------------------------------|
|   | Monthly                   |                            |              | Percent Change |                |               | Monthly                   |                            |              |              | Percent change<br>Oct.<br>99/98 |
|   | Oct.<br>1999 <sup>p</sup> | Sept.<br>1999 <sup>r</sup> | Aug.<br>1999 | Sept.-<br>Oct. | Aug.-<br>Sept. | July-<br>Aug. | Oct.<br>1999 <sup>p</sup> | Sept.<br>1999 <sup>r</sup> | Aug.<br>1999 | Oct.<br>1998 |                                 |
| All manufacturing industries . . . . .  | 525,188                   | 525,439                    | 523,262      | 0.0            | +0.4           | +0.5          | 525,099                   | 521,233                    | 525,024      | 522,765      | +0.4                            |
| Manufacturing industries<br>without defense capital goods . . . . .                         | 432,498                   | 434,031                    | 430,884      | -0.4           | +0.7           | +0.9          | 434,114                   | 431,853                    | 433,866      | 428,591      | +1.3                            |
| Durable goods industries . . . . .  | 499,640                   | 500,343                    | 497,889      | -0.1           | +0.5           | +0.4          | 500,042                   | 495,949                    | 498,535      | 499,520      | +0.1                            |
| Stone, clay, and glass products . . . . .   | 6,142                     | 6,057                      | 5,969        | +1.4           | +1.5           | -0.9          | 6,066                     | 6,047                      | 5,985        | 6,178        | -1.8                            |
| Primary metals . . . . .  | 32,316                    | 32,114                     | 31,951       | +0.6           | +0.5           | +1.4          | 30,668                    | 31,194                     | 31,804       | 27,850       | +10.1                           |
| Blast furnaces, steel mills . . . . .   | 12,957                    | 12,892                     | 12,775       | +0.5           | +0.9           | +1.9          | 12,076                    | 12,327                     | 12,667       | 10,633       | +13.6                           |
| Iron and steel foundries . . . . .  | 4,901                     | 4,876                      | 4,971        | +0.5           | -1.9           | +1.6          | 4,736                     | 4,738                      | 4,922        | 5,340        | -11.3                           |
| Nonferrous and other primary<br>metals . . . . .  | 14,458                    | 14,346                     | 14,205       | +0.8           | +1.0           | +1.0          | 13,856                    | 14,129                     | 14,215       | 11,877       | +16.7                           |
| Fabricated metal products . . . . .   | 24,762                    | 25,024                     | 25,233       | -1.0           | -0.8           | +0.1          | 24,526                    | 25,063                     | 25,496       | 25,944       | -5.5                            |
| Industrial machinery and equipment . . . . .  | 80,957                    | 80,813                     | 79,478       | +0.2           | +1.7           | +0.5          | 80,947                    | 80,213                     | 78,889       | 74,156       | +9.2                            |
| Engines and turbines . . . . .  | 24,061                    | 23,866                     | 22,781       | +0.8           | +4.8           | +1.2          | 24,589                    | 24,055                     | 22,496       | 17,325       | +41.9                           |
| Construction, mining and<br>material handling equipment . . . . .                           | 8,560                     | 8,719                      | 8,926        | -1.8           | -2.3           | -0.8          | 8,250                     | 8,336                      | 8,592        | 9,689        | -14.9                           |
| Metalworking machinery . . . . .  | 7,087                     | 7,132                      | 7,010        | -0.6           | +1.7           | +0.6          | 7,087                     | 7,132                      | 7,010        | 6,894        | +2.8                            |
| Computer and office equipment . . . . .   | 8,197                     | 8,384                      | 8,479        | -2.2           | -1.1           | +1.7          | 8,247                     | 8,448                      | 8,694        | 7,885        | +4.6                            |
| Electronic and other<br>electrical equipment . . . . .                                      | 75,346                    | 75,452                     | 72,025       | -0.1           | +4.8           | +4.8          | 79,703                    | 74,178                     | 73,728       | 62,795       | +26.9                           |
| Electrical transmission and<br>distribution equipment and<br>industrial apparatus . . . . . | 6,927                     | 6,789                      | 6,818        | +2.0           | -0.4           | +4.8          | 6,919                     | 6,685                      | 6,858        | 6,374        | +8.6                            |
| Electric lighting and<br>wiring equipment . . . . .   | 5,082                     | 5,009                      | 5,302        | +1.5           | -5.5           | -1.4          | 5,082                     | 5,009                      | 5,302        | 5,006        | +1.5                            |
| Communications equipment . . . . .  | 21,263                    | 19,162                     | 17,794       | +11.0          | +7.7           | -2.0          | 21,747                    | 18,743                     | 17,748       | 17,500       | +24.3                           |
| Electronic components . . . . .   | 36,336                    | 38,883                     | 36,404       | -6.6           | +6.8           | +10.7         | 40,180                    | 38,253                     | 38,130       | 27,937       | +43.8                           |
| Transportation equipment . . . . .  | 225,709                   | 226,222                    | 228,184      | -0.2           | -0.9           | -0.9          | 223,824                   | 224,857                    | 227,404      | 246,459      | -9.2                            |
| Aircraft, missiles,<br>space vehicles, and parts . . . . .                                  | 191,116                   | 191,783                    | 193,193      | -0.3           | -0.7           | -0.7          | 189,467                   | 190,471                    | 192,289      | 210,264      | -9.9                            |
| Shipbuilding and tanks . . . . .  | 18,213                    | 18,216                     | 18,648       | 0.0            | -2.3           | -2.5          | 18,252                    | 18,271                     | 18,682       | 18,511       | -1.4                            |
| Instruments and related products . . . . .  | 45,999                    | 46,329                     | 46,686       | -0.7           | -0.8           | -0.8          | 45,630                    | 45,955                     | 46,532       | 47,651       | -4.2                            |
| Search and navigation equipment . . . . .   | 25,364                    | 25,581                     | 25,817       | -0.8           | -0.9           | -1.2          | 24,824                    | 25,284                     | 25,547       | 26,447       | -6.1                            |
| Measuring and controlling devices . . . . .   | 10,085                    | 10,177                     | 10,150       | -0.9           | +0.3           | -1.7          | 10,085                    | 10,177                     | 10,150       | 10,214       | -1.3                            |
| Medical instruments and supplies . . . . .  | 9,648                     | 9,697                      | 9,849        | -0.5           | -1.5           | +1.1          | 9,836                     | 9,627                      | 9,960        | 10,047       | -2.1                            |
| All other durable goods . . . . .   | 8,409                     | 8,332                      | 8,363        | +0.9           | -0.4           | -0.6          | 8,678                     | 8,442                      | 8,697        | 8,487        | +2.3                            |
| Nondurable goods industries . . . . .   | 25,548                    | 25,096                     | 25,373       | +1.8           | -1.1           | +3.5          | 25,057                    | 25,284                     | 26,489       | 23,245       | +7.8                            |

<sup>p</sup> Preliminary. <sup>r</sup> Revised.

See note at end of table 2 relating to survey error and revision.

**Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS**  
(Millions of dollars)

| Industry  | Seasonally adjusted       |                            |              |                |                |               | Not seasonally adjusted   |                            |              |              |                                 |
|---|---------------------------|----------------------------|--------------|----------------|----------------|---------------|---------------------------|----------------------------|--------------|--------------|---------------------------------|
|   | Monthly                   |                            |              | Percent Change |                |               | Monthly                   |                            |              |              | Percent change<br>Oct.<br>99/98 |
|   | Oct.<br>1999 <sup>p</sup> | Sept.<br>1999 <sup>r</sup> | Aug.<br>1999 | Sept.-<br>Oct. | Aug.-<br>Sept. | July-<br>Aug. | Oct.<br>1999 <sup>p</sup> | Sept.<br>1999 <sup>r</sup> | Aug.<br>1999 | Oct.<br>1998 |                                 |
| All manufacturing industries . . . . .  | 467,044                   | 465,669                    | 464,351      | +0.3           | +0.3           | -0.1          | 468,566                   | 465,082                    | 467,794      | 471,645      | -0.7                            |
| Manufacturing industries<br>with unfilled orders . . . . .                                  | 308,960                   | 308,999                    | 308,152      | 0.0            | +0.3           | -0.3          | 309,288                   | 308,986                    | 312,270      | 316,425      | -2.3                            |
| without defense capital goods . . . . .   | 448,472                   | 446,803                    | 445,755      | +0.4           | +0.2           | -0.2          | 449,827                   | 445,929                    | 448,795      | 452,403      | -0.6                            |
| Durable goods industries . . . . .  | 293,181                   | 292,901                    | 292,461      | +0.1           | +0.2           | -0.4          | 293,419                   | 292,311                    | 295,746      | 298,510      | -1.7                            |
| With unfilled orders . . . . .  | 268,311                   | 268,386                    | 267,761      | 0.0            | +0.2           | -0.3          | 268,803                   | 268,212                    | 271,238      | 275,050      | -2.3                            |
| Stone, clay, and glass products . . . . .   | 9,811                     | 9,724                      | 9,726        | +0.9           | 0.0            | +2.7          | 9,473                     | 9,549                      | 9,692        | 8,894        | +6.5                            |
| Primary metals . . . . .  | 23,819                    | 23,652                     | 23,660       | +0.7           | 0.0            | -0.1          | 23,778                    | 23,677                     | 23,786       | 24,694       | -3.7                            |
| Blast furnaces, steel mills . . . . .   | 11,294                    | 11,250                     | 11,317       | +0.4           | -0.6           | -0.7          | 11,366                    | 11,319                     | 11,411       | 12,350       | -8.0                            |
| Iron and steel foundries . . . . .  | 1,579                     | 1,576                      | 1,595        | +0.2           | -1.2           | -0.6          | 1,534                     | 1,541                      | 1,568        | 1,539        | -0.3                            |
| Nonferrous and other primary<br>metals . . . . .  | 10,946                    | 10,826                     | 10,748       | +1.1           | +0.7           | +0.5          | 10,878                    | 10,817                     | 10,807       | 10,805       | +0.7                            |
| Fabricated metal products . . . . .   | 31,338                    | 31,182                     | 31,028       | +0.5           | +0.5           | +0.1          | 31,077                    | 30,991                     | 31,049       | 30,767       | +1.0                            |
| Industrial machinery and equipment . . . . .  | 59,871                    | 60,139                     | 59,990       | -0.4           | +0.2           | +0.3          | 59,768                    | 59,763                     | 60,718       | 60,710       | -1.6                            |
| Engines and turbines . . . . .  | 4,533                     | 4,445                      | 4,468        | +2.0           | -0.5           | -0.5          | 4,655                     | 4,460                      | 4,684        | 4,067        | +14.5                           |
| Farm and garden machinery . . . . .   | 3,663                     | 3,614                      | 3,560        | +1.4           | +1.5           | +0.8          | 3,479                     | 3,363                      | 3,298        | 3,620        | -3.9                            |
| Construction, mining and<br>material handling equipment . . . . .                           | 8,854                     | 8,852                      | 8,840        | 0.0            | +0.1           | -0.4          | 8,768                     | 8,709                      | 8,740        | 8,832        | -0.7                            |
| Metalworking machinery . . . . .  | 8,162                     | 8,101                      | 8,006        | +0.8           | +1.2           | 0.0           | 8,234                     | 8,261                      | 8,353        | 7,920        | +4.0                            |
| Computer and office equipment . . . . .   | 8,579                     | 9,183                      | 9,169        | -6.6           | +0.2           | +4.6          | 8,581                     | 9,170                      | 9,715        | 9,230        | -7.0                            |
| Electronic and other<br>electrical equipment . . . . .                                      | 41,955                    | 41,518                     | 41,204       | +1.1           | +0.8           | 0.0           | 42,172                    | 41,195                     | 42,028       | 40,656       | +3.7                            |
| Electrical transmission and<br>distribution equipment and<br>industrial apparatus . . . . . | 5,318                     | 5,293                      | 5,253        | +0.5           | +0.8           | +0.2          | 5,349                     | 5,219                      | 5,264        | 5,353        | -0.1                            |
| Household appliances . . . . .  | 2,406                     | 2,393                      | 2,336        | +0.5           | +2.4           | -2.0          | 2,355                     | 2,281                      | 2,283        | 2,375        | -0.8                            |
| Electric lighting and<br>wiring equipment . . . . .   | 3,771                     | 3,694                      | 3,604        | +2.1           | +2.5           | +1.0          | 3,843                     | 3,663                      | 3,680        | 3,570        | +7.6                            |
| Household audio and<br>video equipment . . . . .  | 1,069                     | 1,066                      | 1,023        | +0.3           | +4.2           | -9.9          | 1,107                     | 1,140                      | 1,122        | 1,085        | +2.0                            |
| Communications equipment . . . . .  | 11,020                    | 10,921                     | 10,818       | +0.9           | +1.0           | +0.6          | 11,154                    | 10,950                     | 11,112       | 10,469       | +6.5                            |
| Electronic components . . . . .   | 14,724                    | 14,554                     | 14,561       | +1.2           | 0.0            | +0.6          | 14,728                    | 14,354                     | 14,814       | 14,177       | +3.9                            |
| Transportation equipment . . . . .  | 70,430                    | 70,749                     | 70,868       | -0.5           | -0.2           | -2.1          | 70,992                    | 71,147                     | 71,927       | 77,643       | -8.6                            |
| Motor vehicles and parts . . . . .  | 17,584                    | 17,420                     | 17,569       | +0.9           | -0.8           | -0.6          | 17,559                    | 17,492                     | 17,955       | 16,765       | +4.7                            |
| Aircraft, missiles,<br>space vehicles, and parts . . . . .                                  | 46,556                    | 47,276                     | 47,082       | -1.5           | +0.4           | -3.2          | 47,207                    | 47,687                     | 47,669       | 55,267       | -14.6                           |
| Shipbuilding and tanks . . . . .  | 2,226                     | 2,211                      | 2,266        | +0.7           | -2.4           | +1.9          | 2,169                     | 2,207                      | 2,278        | 1,786        | +21.4                           |
| Instruments and related products . . . . .  | 27,082                    | 27,098                     | 27,060       | -0.1           | +0.1           | +0.5          | 27,207                    | 27,106                     | 27,591       | 26,759       | +1.7                            |
| Search and navigation equipment . . . . .   | 6,988                     | 6,971                      | 6,789        | +0.2           | +2.7           | 0.0           | 6,960                     | 6,960                      | 6,974        | 6,708        | +3.8                            |
| Measuring and controlling devices . . . . .   | 8,220                     | 8,230                      | 8,267        | -0.1           | -0.4           | +1.8          | 8,201                     | 8,209                      | 8,402        | 7,982        | +2.7                            |
| Medical instruments and supplies . . . . .  | 8,772                     | 8,810                      | 8,842        | -0.4           | -0.4           | 0.0           | 8,873                     | 8,791                      | 9,008        | 8,585        | +3.4                            |
| Photographic goods . . . . .  | 2,351                     | 2,331                      | 2,406        | +0.9           | -3.1           | -1.1          | 2,422                     | 2,401                      | 2,454        | 2,751        | -12.0                           |
| All other durable goods . . . . .   | 28,875                    | 28,839                     | 28,925       | +0.1           | -0.3           | -0.2          | 28,952                    | 28,883                     | 28,955       | 28,387       | +2.0                            |
| Nondurable goods industries . . . . .   | 173,863                   | 172,768                    | 171,890      | +0.6           | +0.5           | +0.2          | 175,147                   | 172,771                    | 172,048      | 173,135      | +1.2                            |
| With unfilled orders . . . . .  | 40,649                    | 40,613                     | 40,391       | +0.1           | +0.5           | -0.2          | 40,485                    | 40,774                     | 41,032       | 41,375       | -2.2                            |
| Food and kindred products . . . . .   | 38,674                    | 38,139                     | 38,018       | +1.4           | +0.3           | 0.0           | 40,815                    | 38,860                     | 37,693       | 39,453       | +3.5                            |
| Meat products . . . . .   | 4,438                     | 4,380                      | 4,340        | +1.3           | +0.9           | +1.3          | 4,430                     | 4,315                      | 4,251        | 4,038        | +9.7                            |
| Dairy products . . . . .  | 3,937                     | 3,892                      | 3,909        | +1.2           | -0.4           | +0.9          | 3,937                     | 3,855                      | 3,979        | 3,803        | +3.5                            |
| Beverages . . . . .   | 8,663                     | 8,600                      | 8,726        | +0.7           | -1.4           | +0.4          | 8,879                     | 8,694                      | 8,540        | 8,450        | +5.1                            |
| All other foods, except fats and oils . . . . .   | 19,951                    | 19,651                     | 19,466       | +1.5           | +1.0           | -0.4          | 21,765                    | 20,524                     | 19,505       | 21,052       | +3.4                            |
| Tobacco products . . . . .  | 5,180                     | 5,177                      | 5,149        | +0.1           | +0.5           | -0.2          | 5,366                     | 5,014                      | 4,805        | 6,154        | -12.8                           |
| Textile mill products . . . . .   | 10,067                    | 10,112                     | 10,030       | -0.4           | +0.8           | 0.0           | 9,905                     | 9,975                      | 10,086       | 10,095       | -1.9                            |
| Broadwoven fabrics and<br>other textiles . . . . .  | 6,084                     | 6,113                      | 6,126        | -0.5           | -0.2           | +0.2          | 5,993                     | 5,991                      | 6,139        | 6,307        | -5.0                            |
| Paper and allied products . . . . .   | 16,125                    | 16,133                     | 15,928       | 0.0            | +1.3           | -0.5          | 15,892                    | 16,003                     | 15,887       | 16,260       | -2.3                            |
| Pulp, paper, and<br>paperboard mill products . . . . .                                      | 6,307                     | 6,324                      | 6,326        | -0.3           | 0.0            | -1.3          | 6,215                     | 6,260                      | 6,300        | 6,667        | -6.8                            |
| Paperboard containers and boxes . . . . .   | 4,245                     | 4,179                      | 4,053        | +1.6           | +3.1           | +2.0          | 4,168                     | 4,170                      | 4,041        | 4,108        | +1.5                            |
| Miscellaneous converted<br>paper products . . . . .   | 5,573                     | 5,630                      | 5,549        | -1.0           | +1.5           | -1.4          | 5,509                     | 5,573                      | 5,546        | 5,485        | +0.4                            |
| Chemicals and allied products . . . . .   | 46,764                    | 46,546                     | 46,619       | +0.5           | -0.2           | -0.5          | 46,275                    | 45,926                     | 46,588       | 45,792       | +1.1                            |
| Industrial chemicals . . . . .  | 19,203                    | 19,176                     | 19,214       | +0.1           | -0.2           | -1.0          | 18,957                    | 19,147                     | 19,218       | 19,632       | -3.4                            |
| Drugs, soaps, and toiletries . . . . .  | 21,758                    | 21,527                     | 21,512       | +1.1           | +0.1           | -0.1          | 21,723                    | 21,215                     | 21,787       | 20,566       | +5.6                            |
| Petroleum and coal products . . . . .   | 12,012                    | 11,887                     | 11,588       | +1.1           | +2.6           | +4.0          | 12,253                    | 12,106                     | 11,728       | 10,939       | +12.0                           |
| Rubber and plastics products . . . . .  | 17,714                    | 17,492                     | 17,261       | +1.3           | +1.3           | +1.2          | 17,379                    | 17,159                     | 17,085       | 16,278       | +6.8                            |
| All other nondurable goods . . . . .  | 27,327                    | 27,282                     | 27,297       | +0.2           | -0.1           | +0.1          | 27,262                    | 27,728                     | 28,176       | 28,164       | -3.2                            |

<sup>p</sup> Preliminary. <sup>r</sup> Revised.

See note at end of table 2 relating to survey error and revision.

**Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS  
FOR TOPICAL SERIES<sup>1</sup>  
(Millions of dollars)**

| Industry  | Seasonally adjusted    |                         |           |                |             |           | Not seasonally adjusted <sup>2</sup> |                         |           |           |                |              |                   |
|---|------------------------|-------------------------|-----------|----------------|-------------|-----------|--------------------------------------|-------------------------|-----------|-----------|----------------|--------------|-------------------|
|   | Monthly                |                         |           | Percent Change |             |           | Monthly                              |                         |           |           | Percent change | Year to date |                   |
|   | Oct. 1999 <sup>p</sup> | Sept. 1999 <sup>r</sup> | Aug. 1999 | Sept.- Oct.    | Aug.- Sept. | July-Aug. | Oct. 1999 <sup>p</sup>               | Sept. 1999 <sup>r</sup> | Aug. 1999 | Oct. 1998 |                | Oct. 99/98   | 1999 <sup>p</sup> |
| SHIPMENTS   |                        |                         |           |                |             |           |                                      |                         |           |           |                |              |                   |
| All manufacturing industries . . . . .                            | 360,255                | 358,709                 | 361,844   | +0.4           | -0.9        | +1.3      | 370,154                              | 384,195                 | 363,407   | 350,525   | +5.6           | 3,529,290    | 3,368,786         |
| Market categories :   |                        |                         |           |                |             |           |                                      |                         |           |           |                |              |                   |
| Automotive equipment . . . . .                                    | 16,102                 | 16,584                  | 16,909    | -2.9           | -1.9        | +0.6      | 17,935                               | 17,914                  | 17,352    | 17,281    | +3.8           | 163,807      | 145,378           |
| Home goods and apparel . . . . .                                  | 20,011                 | 19,711                  | 20,051    | +1.5           | -1.7        | +0.1      | 21,944                               | 22,023                  | 21,249    | 20,595    | +6.6           | 200,243      | 190,251           |
| Consumer staples . . . . .  | 76,033                 | 75,589                  | 75,085    | +0.6           | +0.7        | +1.5      | 78,353                               | 79,898                  | 76,810    | 71,153    | +10.1          | 732,396      | 689,727           |
| Machinery and equipment . . . . .                                 | 69,104                 | 67,932                  | 70,348    | +1.7           | -3.4        | +1.9      | 68,278                               | 75,318                  | 66,796    | 66,124    | +3.3           | 672,985      | 636,024           |
| Business supplies . . . . .                                       | 26,988                 | 26,898                  | 26,885    | +0.3           | 0.0         | +0.7      | 27,853                               | 28,057                  | 27,108    | 26,308    | +5.9           | 264,081      | 254,569           |
| Construction materials and supplies . . . . .                     | 23,314                 | 23,372                  | 23,594    | -0.2           | -0.9        | +0.9      | 24,299                               | 24,912                  | 24,830    | 22,944    | +5.9           | 232,162      | 218,107           |
| Defense products . . . . .  | 6,711                  | 6,719                   | 6,678     | -0.1           | +0.6        | -1.6      | 6,692                                | 7,134                   | 6,454     | 7,184     | -6.8           | 66,578       | 68,162            |
| Other materials, supplies and and intermediate products . . . . . | 121,992                | 121,904                 | 122,294   | +0.1           | -0.3        | +1.4      | 124,800                              | 128,939                 | 122,808   | 118,936   | +4.9           | 1,197,038    | 1,166,568         |
| Durable goods industries :  |                        |                         |           |                |             |           |                                      |                         |           |           |                |              |                   |
| Nondefense capital goods <sup>3</sup> . . . . .                   | 56,514                 | 54,891                  | 57,287    | +3.0           | -4.2        | +2.1      | 53,946                               | 61,867                  | 53,421    | 51,412    | +4.9           | 540,263      | 508,221           |
| Excluding aircraft and parts . . . . .                            | 48,448                 | 47,392                  | 47,915    | +2.2           | -1.1        | -1.8      | 46,403                               | 53,933                  | 44,621    | 43,008    | +7.9           | 459,178      | 432,924           |
| Defense capital goods <sup>4</sup> . . . . .                      | 6,472                  | 6,455                   | 6,468     | +0.3           | -0.2        | -1.8      | 6,482                                | 6,851                   | 6,213     | 7,003     | -7.4           | 64,089       | 64,934            |
| Durables excluding capital goods . . . . .                        | 139,584                | 140,549                 | 141,954   | -0.7           | -1.0        | +1.0      | 146,601                              | 150,588                 | 143,589   | 140,710   | +4.2           | 1,390,193    | 1,309,880         |
| Miscellaneous series :  |                        |                         |           |                |             |           |                                      |                         |           |           |                |              |                   |
| Producers' durable equipment . . . . .                            | 131,949                | 130,948                 | 134,795   | +0.8           | -2.9        | +1.2      | 134,676                              | 143,098                 | 131,678   | 129,912   | +3.7           | 1,301,226    | 1,218,169         |
| Household durable goods . . . . .                                 | 10,537                 | 10,277                  | 10,642    | +2.5           | -3.4        | +0.5      | 11,219                               | 11,518                  | 10,707    | 10,080    | +11.3          | 103,527      | 92,935            |
| Information technology industries . . . . .                       | 28,740                 | 27,163                  | 27,719    | +5.8           | -2.0        | -4.2      | 26,639                               | 32,303                  | 25,409    | 23,285    | +14.4          | 262,913      | 240,548           |
| Health care equipment and products . . . . .                      | 13,369                 | 13,366                  | 13,285    | 0.0            | +0.6        | +1.7      | 13,196                               | 14,854                  | 13,009    | 11,836    | +11.5          | 129,579      | 118,193           |
| NEW ORDERS  |                        |                         |           |                |             |           |                                      |                         |           |           |                |              |                   |
| All manufacturing industries . . . . .                            | 360,004                | 360,886                 | 364,440   | -0.2           | -1.0        | +1.3      | 374,020                              | 380,404                 | 365,069   | 347,900   | +7.5           | 3,541,352    | 3,359,993         |
| Market categories :   |                        |                         |           |                |             |           |                                      |                         |           |           |                |              |                   |
| Automotive equipment . . . . .                                    | 16,150                 | 16,559                  | 16,945    | -2.5           | -2.3        | +0.9      | 17,982                               | 17,825                  | 17,422    | 17,276    | +4.1           | 163,913      | 145,250           |
| Home goods and apparel . . . . .                                  | 20,204                 | 19,854                  | 20,041    | +1.8           | -0.9        | -0.2      | 22,122                               | 22,029                  | 21,071    | 20,725    | +6.7           | 201,231      | 190,337           |
| Consumer staples . . . . .  | 76,157                 | 75,552                  | 75,285    | +0.8           | +0.4        | +1.7      | 78,311                               | 79,561                  | 77,047    | 70,795    | +10.6          | 733,136      | 689,778           |
| Machinery and equipment . . . . .                                 | 68,532                 | 69,418                  | 69,020    | -1.3           | +0.6        | +1.5      | 68,041                               | 76,037                  | 65,412    | 63,425    | +7.3           | 666,943      | 639,970           |
| Business supplies . . . . .                                       | 27,066                 | 26,773                  | 27,116    | +1.1           | -1.3        | +1.4      | 27,733                               | 27,588                  | 27,393    | 25,897    | +7.1           | 264,785      | 254,720           |
| Construction materials and supplies . . . . .                     | 23,384                 | 23,017                  | 23,479    | +1.6           | -2.0        | -0.1      | 24,183                               | 24,440                  | 24,637    | 22,690    | +6.6           | 232,339      | 217,888           |
| Defense products . . . . .  | 8,040                  | 5,898                   | 5,254     | +36.3          | +12.3       | -21.7     | 8,432                                | 5,536                   | 3,950     | 6,119     | +37.8          | 62,172       | 60,188            |
| Other materials, supplies and and intermediate products . . . . . | 120,471                | 123,815                 | 127,300   | -2.7           | -2.7        | +2.6      | 127,216                              | 127,388                 | 128,137   | 120,973   | +5.2           | 1,216,833    | 1,161,862         |
| Durable goods industries :  |                        |                         |           |                |             |           |                                      |                         |           |           |                |              |                   |
| Nondefense capital goods <sup>3</sup> . . . . .                   | 56,444                 | 56,050                  | 56,423    | +0.7           | -0.7        | +2.5      | 54,402                               | 62,872                  | 52,455    | 48,453    | +12.3          | 534,799      | 509,946           |
| Excluding aircraft and parts . . . . .                            | 48,901                 | 48,990                  | 47,770    | -0.2           | +2.6        | -2.0      | 47,382                               | 55,377                  | 44,374    | 41,826    | +13.3          | 464,261      | 435,787           |
| Defense capital goods <sup>4</sup> . . . . .                      | 7,754                  | 5,485                   | 5,048     | +41.4          | +8.7        | -22.1     | 8,087                                | 5,073                   | 3,667     | 5,735     | +41.0          | 59,361       | 56,892            |
| Durables excluding capital goods . . . . .                        | 137,669                | 142,814                 | 145,975   | -3.6           | -2.2        | +1.4      | 148,633                              | 148,775                 | 148,040   | 143,345   | +3.7           | 1,410,336    | 1,309,383         |
| Miscellaneous series :  |                        |                         |           |                |             |           |                                      |                         |           |           |                |              |                   |
| Producers' durable equipment . . . . .                            | 130,903                | 132,641                 | 133,345   | -1.3           | -0.5        | +1.1      | 134,241                              | 143,722                 | 130,412   | 127,504   | +5.3           | 1,294,675    | 1,221,576         |
| Household durable goods . . . . .                                 | 10,728                 | 10,322                  | 10,545    | +3.9           | -2.1        | -1.0      | 11,559                               | 11,496                  | 10,575    | 10,266    | +12.6          | 104,312      | 92,780            |
| Information technology industries . . . . .                       | 28,891                 | 27,895                  | 27,202    | +3.6           | +2.5        | -6.1      | 26,778                               | 32,874                  | 24,857    | 23,198    | +15.4          | 265,101      | 242,545           |
| Health care equipment and products . . . . .                      | 13,320                 | 13,213                  | 13,393    | +0.8           | -1.3        | +1.4      | 13,405                               | 14,519                  | 13,354    | 12,228    | +9.6           | 129,832      | 119,818           |

<sup>p</sup> Preliminary. <sup>r</sup> Revised.

<sup>1</sup> Topical series are regroupings of the separate industry categories.

<sup>2</sup> Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

<sup>3</sup> Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and material handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and service industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; railroad equipment; and search and navigation equipment.

<sup>4</sup> Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tanks and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

**Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES  
FOR TOPICAL SERIES<sup>1</sup>  
(Millions of dollars)**

| Industry   | Seasonally adjusted       |                            |              |                |                |               | Not seasonally adjusted   |                            |              |              |                                 |
|--|---------------------------|----------------------------|--------------|----------------|----------------|---------------|---------------------------|----------------------------|--------------|--------------|---------------------------------|
|  | Monthly                   |                            |              | Percent Change |                |               | Monthly                   |                            |              |              | Percent change<br>Oct.<br>99/98 |
|  | Oct.<br>1999 <sup>p</sup> | Sept.<br>1999 <sup>r</sup> | Aug.<br>1999 | Sept.-<br>Oct. | Aug.-<br>Sept. | July-<br>Aug. | Oct.<br>1999 <sup>p</sup> | Sept.<br>1999 <sup>r</sup> | Aug.<br>1999 | Oct.<br>1998 |                                 |
| UNFILLED ORDERS  |                           |                            |              |                |                |               |                           |                            |              |              |                                 |
| All manufacturing industries . . . . .                               | 525,188                   | 525,439                    | 523,262      | 0.0            | +0.4           | +0.5          | 525,099                   | 521,233                    | 525,024      | 522,765      | +0.4                            |
| Market categories :  |                           |                            |              |                |                |               |                           |                            |              |              |                                 |
| Automotive equipment . . . . .                                       | 2,553                     | 2,505                      | 2,529        | +1.9           | -0.9           | +1.4          | 2,511                     | 2,464                      | 2,553        | 2,358        | +6.5                            |
| Home goods and apparel . . . . .                                     | 9,282                     | 9,089                      | 8,946        | +2.1           | +1.6           | -0.1          | 9,300                     | 9,122                      | 9,115        | 8,643        | +7.6                            |
| Consumer staples . . . . .   | 2,984                     | 2,860                      | 2,897        | +4.3           | -1.3           | +7.4          | 3,002                     | 3,045                      | 3,382        | 2,100        | +43.0                           |
| Machinery and equipment . . . . .                                    | 234,903                   | 235,476                    | 233,990      | -0.2           | +0.6           | -0.6          | 234,537                   | 234,774                    | 234,054      | 246,688      | -4.9                            |
| Business supplies . . . . .  | 7,326                     | 7,248                      | 7,373        | +1.1           | -1.7           | +3.2          | 7,224                     | 7,344                      | 7,813        | 6,584        | +9.7                            |
| Construction materials<br>and supplies . . . . .                     | 17,642                    | 17,572                     | 17,926       | +0.4           | -2.0           | -0.6          | 17,416                    | 17,532                     | 18,004       | 17,408       | 0.0                             |
| Defense products . . . . .   | 88,069                    | 86,740                     | 87,562       | +1.5           | -0.9           | -1.6          | 86,509                    | 84,769                     | 86,367       | 89,571       | -3.4                            |
| Other materials, supplies and<br>and intermediate products . . . . . | 162,429                   | 163,949                    | 162,039      | -0.9           | +1.2           | +3.2          | 164,600                   | 162,183                    | 163,736      | 149,413      | +10.2                           |
| Durable goods industries :   |                           |                            |              |                |                |               |                           |                            |              |              |                                 |
| Nondefense capital goods <sup>3</sup> . . . . .                      | 251,760                   | 251,830                    | 250,671      | 0.0            | +0.5           | -0.3          | 251,626                   | 251,170                    | 250,165      | 262,941      | -4.3                            |
| Excluding aircraft and parts . . . . .                               | 111,802                   | 111,349                    | 109,751      | +0.4           | +1.5           | -0.1          | 111,668                   | 110,689                    | 109,245      | 106,035      | +5.3                            |
| Defense capital goods <sup>4</sup> . . . . .                         | 92,690                    | 91,408                     | 92,378       | +1.4           | -1.1           | -1.5          | 90,985                    | 89,380                     | 91,158       | 94,174       | -3.4                            |
| Durables excluding capital goods . . . . .                           | 155,190                   | 157,105                    | 154,840      | -1.2           | +1.5           | +2.7          | 157,431                   | 155,399                    | 157,212      | 142,405      | +10.6                           |
| Miscellaneous series :   |                           |                            |              |                |                |               |                           |                            |              |              |                                 |
| Producers' durable equipment . . . . .                               | 273,220                   | 274,266                    | 272,573      | -0.4           | +0.6           | -0.5          | 273,004                   | 273,439                    | 272,815      | 286,521      | -4.7                            |
| Household durable goods . . . . .                                    | 5,747                     | 5,556                      | 5,511        | +3.4           | +0.8           | -1.7          | 5,946                     | 5,606                      | 5,628        | 5,628        | +5.7                            |
| Information technology industries . . . . .                          | 41,265                    | 41,114                     | 40,382       | +0.4           | +1.8           | -1.3          | 41,304                    | 41,165                     | 40,594       | 39,967       | +3.3                            |
| Health care equipment<br>and products . . . . .                      | 9,689                     | 9,738                      | 9,891        | -0.5           | -1.5           | +1.1          | 9,878                     | 9,669                      | 10,004       | 10,089       | -2.1                            |
| TOTAL INVENTORIES  |                           |                            |              |                |                |               |                           |                            |              |              |                                 |
| All manufacturing industries . . . . .                               | 467,044                   | 465,669                    | 464,351      | +0.3           | +0.3           | -0.1          | 468,566                   | 465,082                    | 467,794      | 471,645      | -0.7                            |
| Market categories :  |                           |                            |              |                |                |               |                           |                            |              |              |                                 |
| Automotive equipment . . . . .                                       | 8,894                     | 8,740                      | 8,786        | +1.8           | -0.5           | -1.0          | 8,837                     | 8,667                      | 9,023        | 8,319        | +6.2                            |
| Home goods and apparel . . . . .                                     | 31,606                    | 31,591                     | 31,452       | 0.0            | +0.4           | -0.2          | 31,215                    | 31,622                     | 32,030       | 31,774       | -1.8                            |
| Consumer staples . . . . .   | 75,639                    | 74,899                     | 74,649       | +1.0           | +0.3           | +0.3          | 77,803                    | 75,269                     | 74,512       | 75,293       | +3.3                            |
| Machinery and equipment . . . . .                                    | 115,981                   | 116,051                    | 115,663      | -0.1           | +0.3           | -1.1          | 116,448                   | 115,681                    | 117,242      | 122,161      | -4.7                            |
| Business supplies . . . . .  | 28,304                    | 28,390                     | 28,227       | -0.3           | +0.6           | 0.0           | 28,469                    | 28,727                     | 28,515       | 28,445       | +0.1                            |
| Construction materials<br>and supplies . . . . .                     | 30,050                    | 29,746                     | 29,592       | +1.0           | +0.5           | +0.5          | 29,843                    | 29,539                     | 29,662       | 28,663       | +4.1                            |
| Defense products . . . . .   | 18,252                    | 18,474                     | 18,238       | -1.2           | +1.3           | -0.5          | 18,397                    | 18,715                     | 18,589       | 18,898       | -2.7                            |
| Other materials, supplies and<br>and intermediate products . . . . . | 158,318                   | 157,778                    | 157,744      | +0.3           | 0.0            | +0.3          | 157,554                   | 156,862                    | 158,221      | 158,092      | -0.3                            |
| Durable goods industries :   |                           |                            |              |                |                |               |                           |                            |              |              |                                 |
| Nondefense capital goods <sup>3</sup> . . . . .                      | 107,015                   | 107,465                    | 107,353      | -0.4           | +0.1           | -1.0          | 107,651                   | 107,358                    | 109,022      | 114,349      | -5.9                            |
| Excluding aircraft and parts . . . . .                               | 72,483                    | 72,476                     | 72,409       | 0.0            | +0.1           | +0.6          | 72,669                    | 72,214                     | 73,773       | 71,880       | +1.1                            |
| Defense capital goods <sup>4</sup> . . . . .                         | 18,572                    | 18,866                     | 18,596       | -1.6           | +1.5           | -0.1          | 18,739                    | 19,153                     | 18,999       | 19,242       | -2.6                            |
| Durables excluding capital goods . . . . .                           | 167,594                   | 166,570                    | 166,512      | +0.6           | 0.0            | 0.0           | 167,029                   | 165,800                    | 167,725      | 164,919      | +1.3                            |
| Miscellaneous series :   |                           |                            |              |                |                |               |                           |                            |              |              |                                 |
| Producers' durable equipment . . . . .                               | 189,879                   | 189,913                    | 189,001      | 0.0            | +0.5           | -0.6          | 190,153                   | 189,491                    | 191,376      | 194,599      | -2.3                            |
| Household durable goods . . . . .                                    | 16,294                    | 16,289                     | 16,248       | 0.0            | +0.3           | -0.4          | 16,236                    | 16,288                     | 16,511       | 16,429       | -1.2                            |
| Information technology industries . . . . .                          | 33,073                    | 33,523                     | 33,484       | -1.3           | +0.1           | +1.9          | 33,219                    | 33,537                     | 34,575       | 32,841       | +1.2                            |
| Health care equipment<br>and products . . . . .                      | 20,554                    | 20,467                     | 20,489       | +0.4           | -0.1           | 0.0           | 20,634                    | 20,280                     | 20,800       | 19,723       | +4.6                            |

See footnotes at end of table 5.

See note at end of table 2 relating to survey error and revision.

**Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION,  
BY INDUSTRY GROUP**  
(Millions of dollars)

| Industry  | Seasonally adjusted       |                            |              |                |                |               | Not seasonally adjusted   |                            |              |              |                                    |
|---|---------------------------|----------------------------|--------------|----------------|----------------|---------------|---------------------------|----------------------------|--------------|--------------|------------------------------------|
|   | Monthly                   |                            |              | Percent Change |                |               | Monthly                   |                            |              |              | Percent<br>change<br>Oct.<br>99/98 |
|   | Oct.<br>1999 <sup>p</sup> | Sept.<br>1999 <sup>r</sup> | Aug.<br>1999 | Sept.-<br>Oct. | Aug.-<br>Sept. | July-<br>Aug. | Oct.<br>1999 <sup>p</sup> | Sept.<br>1999 <sup>r</sup> | Aug.<br>1999 | Oct.<br>1998 |                                    |
| MATERIALS AND SUPPLIES  |                           |                            |              |                |                |               |                           |                            |              |              |                                    |
| All manufacturing industries . . . . .                          | 153,884                   | 154,150                    | 153,426      | -0.2           | +0.5           | -0.3          | 154,542                   | 154,734                    | 153,694      | 156,447      | -1.2                               |
| Durable goods industries . . . . .                              | 92,769                    | 92,990                     | 92,531       | -0.2           | +0.5           | -0.4          | 93,336                    | 93,844                     | 93,290       | 93,872       | -0.6                               |
| Stone, clay, and glass products . . . . .                       | 3,269                     | 3,269                      | 3,246        | 0.0            | +0.7           | +1.3          | 3,270                     | 3,299                      | 3,276        | 3,113        | +5.0                               |
| Primary metals . . . . .  | 7,413                     | 7,428                      | 7,397        | -0.2           | +0.4           | +0.1          | 7,601                     | 7,575                      | 7,468        | 8,102        | -6.2                               |
| Fabricated metal products . . . . .                             | 10,646                    | 10,684                     | 10,583       | -0.4           | +1.0           | +0.4          | 10,632                    | 10,787                     | 10,618       | 10,711       | -0.7                               |
| Industrial machinery and equipment . . . . .                    | 19,808                    | 20,137                     | 19,875       | -1.6           | +1.3           | -0.4          | 19,764                    | 20,388                     | 20,159       | 19,621       | +0.7                               |
| Electronic and other<br>electrical equipment . . . . .          | 16,306                    | 16,205                     | 16,112       | +0.6           | +0.6           | -1.9          | 16,492                    | 16,268                     | 16,367       | 16,039       | +2.8                               |
| Transportation equipment . . . . .                              | 15,266                    | 15,259                     | 15,209       | 0.0            | +0.3           | -1.3          | 15,132                    | 15,300                     | 15,205       | 15,482       | -2.3                               |
| Instruments and related products . . . . .                      | 9,193                     | 9,124                      | 9,152        | +0.8           | -0.3           | +0.8          | 9,196                     | 9,145                      | 9,281        | 9,257        | -0.7                               |
| Lumber, furniture and<br>miscellaneous durable goods . . . . .  | 10,868                    | 10,884                     | 10,957       | -0.1           | -0.7           | +0.3          | 11,249                    | 11,082                     | 10,916       | 11,547       | -2.6                               |
| Nondurable goods industries . . . . .                           | 61,115                    | 61,160                     | 60,895       | -0.1           | +0.4           | -0.2          | 61,206                    | 60,890                     | 60,404       | 62,575       | -2.2                               |
| Food and kindred products . . . . .                             | 11,213                    | 11,367                     | 11,513       | -1.4           | -1.3           | -0.3          | 11,500                    | 11,170                     | 11,214       | 11,713       | -1.8                               |
| Tobacco products . . . . .                                      | 4,621                     | 4,588                      | 4,555        | +0.7           | +0.7           | -0.3          | 4,680                     | 4,455                      | 4,333        | 5,184        | -9.7                               |
| Textile mill products . . . . .                                 | 2,916                     | 2,911                      | 2,875        | +0.2           | +1.3           | +1.7          | 2,836                     | 2,866                      | 2,873        | 2,863        | -0.9                               |
| Paper and allied products . . . . .                             | 7,746                     | 7,803                      | 7,713        | -0.7           | +1.2           | 0.0           | 7,722                     | 7,807                      | 7,679        | 7,970        | -3.1                               |
| Chemicals and allied products . . . . .                         | 15,297                    | 15,239                     | 15,303       | +0.4           | -0.4           | -2.2          | 15,197                    | 15,212                     | 15,261       | 15,481       | -1.8                               |
| Petroleum and coal products . . . . .                           | 3,561                     | 3,456                      | 3,280        | +3.0           | +5.4           | +0.6          | 3,624                     | 3,439                      | 3,270        | 3,241        | +11.8                              |
| Rubber and plastics products . . . . .                          | 7,070                     | 7,108                      | 7,045        | -0.5           | +0.9           | +1.9          | 7,019                     | 7,113                      | 6,975        | 6,798        | +3.3                               |
| Apparel, printing and publishing<br>and leather goods . . . . . | 8,691                     | 8,688                      | 8,611        | 0.0            | +0.9           | +1.2          | 8,628                     | 8,828                      | 8,799        | 9,325        | -7.5                               |
| WORK IN PROCESS   |                           |                            |              |                |                |               |                           |                            |              |              |                                    |
| All manufacturing industries . . . . .                          | 146,124                   | 145,587                    | 145,232      | +0.4           | +0.2           | -1.3          | 147,837                   | 145,919                    | 147,284      | 154,277      | -4.2                               |
| Durable goods industries . . . . .                              | 115,596                   | 115,393                    | 115,260      | +0.2           | +0.1           | -1.3          | 116,361                   | 115,611                    | 117,387      | 123,982      | -6.1                               |
| Stone, clay, and glass products . . . . .                       | 1,569                     | 1,531                      | 1,516        | +2.5           | +1.0           | +3.2          | 1,498                     | 1,499                      | 1,535        | 1,282        | +16.8                              |
| Primary metals . . . . .  | 8,181                     | 8,094                      | 8,121        | +1.1           | -0.3           | -0.6          | 8,125                     | 8,080                      | 8,185        | 8,514        | -4.6                               |
| Fabricated metal products . . . . .                             | 9,121                     | 9,042                      | 8,970        | +0.9           | +0.8           | 0.0           | 9,195                     | 9,130                      | 9,083        | 9,159        | +0.4                               |
| Industrial machinery and equipment . . . . .                    | 21,584                    | 21,336                     | 21,582       | +1.2           | -1.1           | -1.2          | 21,721                    | 21,269                     | 22,067       | 22,946       | -5.3                               |
| Electronic and other<br>electrical equipment . . . . .          | 14,029                    | 13,987                     | 14,057       | +0.3           | -0.5           | -0.4          | 14,000                    | 13,909                     | 14,366       | 14,093       | -0.7                               |
| Transportation equipment . . . . .                              | 45,315                    | 45,614                     | 45,435       | -0.7           | +0.4           | -3.0          | 46,069                    | 45,934                     | 46,239       | 52,895       | -12.9                              |
| Instruments and related products . . . . .                      | 10,153                    | 10,161                     | 10,024       | -0.1           | +1.4           | +1.0          | 10,108                    | 10,079                     | 10,276       | 9,867        | +2.4                               |
| Lumber, furniture and<br>miscellaneous durable goods . . . . .  | 5,644                     | 5,628                      | 5,555        | +0.3           | +1.3           | +3.0          | 5,645                     | 5,711                      | 5,636        | 5,226        | +8.0                               |
| Nondurable goods industries . . . . .                           | 30,528                    | 30,194                     | 29,972       | +1.1           | +0.7           | -1.2          | 31,476                    | 30,308                     | 29,897       | 30,295       | +3.9                               |
| Food and kindred products . . . . .                             | 6,246                     | 6,116                      | 6,109        | +2.1           | +0.1           | -0.5          | 6,984                     | 6,125                      | 5,637        | 6,352        | +9.9                               |
| Tobacco products . . . . .                                      | 101                       | 87                         | 78           | +16.1          | +11.5          | -4.9          | 122                       | 86                         | 76           | 106          | +15.1                              |
| Textile mill products . . . . .                                 | 2,453                     | 2,448                      | 2,420        | +0.2           | +1.2           | -2.1          | 2,472                     | 2,462                      | 2,429        | 2,650        | -6.7                               |
| Paper and allied products . . . . .                             | 1,728                     | 1,711                      | 1,664        | +1.0           | +2.8           | +0.1          | 1,647                     | 1,689                      | 1,671        | 1,485        | +10.9                              |
| Chemicals and allied products . . . . .                         | 8,979                     | 8,918                      | 8,860        | +0.7           | +0.7           | -2.9          | 8,960                     | 8,801                      | 8,953        | 8,719        | +2.8                               |
| Petroleum and coal products . . . . .                           | 2,871                     | 2,901                      | 2,854        | -1.0           | +1.6           | +8.1          | 2,949                     | 2,975                      | 2,905        | 2,681        | +10.0                              |
| Rubber and plastics products . . . . .                          | 2,271                     | 2,281                      | 2,260        | -0.4           | +0.9           | -2.0          | 2,286                     | 2,282                      | 2,258        | 2,216        | +3.2                               |
| Apparel, printing and publishing<br>and leather goods . . . . . | 5,879                     | 5,732                      | 5,727        | +2.6           | +0.1           | -3.2          | 6,056                     | 5,888                      | 5,968        | 6,086        | -0.5                               |
| FINISHED GOODS  |                           |                            |              |                |                |               |                           |                            |              |              |                                    |
| All manufacturing industries . . . . .                          | 167,036                   | 165,932                    | 165,693      | +0.7           | +0.1           | +1.0          | 166,187                   | 164,429                    | 166,816      | 160,921      | +3.3                               |
| Durable goods industries . . . . .                              | 84,816                    | 84,518                     | 84,670       | +0.4           | -0.2           | +1.0          | 83,722                    | 82,856                     | 85,069       | 80,656       | +3.8                               |
| Stone, clay, and glass products . . . . .                       | 4,973                     | 4,924                      | 4,964        | +1.0           | -0.8           | +3.4          | 4,705                     | 4,751                      | 4,881        | 4,499        | +4.6                               |
| Primary metals . . . . .  | 8,225                     | 8,130                      | 8,142        | +1.2           | -0.1           | +0.1          | 8,052                     | 8,022                      | 8,133        | 8,078        | -0.3                               |
| Fabricated metal products . . . . .                             | 11,571                    | 11,456                     | 11,475       | +1.0           | -0.2           | -0.2          | 11,250                    | 11,074                     | 11,348       | 10,897       | +3.2                               |
| Industrial machinery and equipment . . . . .                    | 18,479                    | 18,666                     | 18,533       | -1.0           | +0.7           | +3.0          | 18,283                    | 18,106                     | 18,492       | 18,143       | +0.8                               |
| Electronic and other<br>electrical equipment . . . . .          | 11,620                    | 11,326                     | 11,035       | +2.6           | +2.6           | +3.3          | 11,680                    | 11,018                     | 11,295       | 10,524       | +11.0                              |
| Transportation equipment . . . . .                              | 9,849                     | 9,876                      | 10,224       | -0.3           | -3.4           | +0.8          | 9,791                     | 9,913                      | 10,483       | 9,266        | +5.7                               |
| Instruments and related products . . . . .                      | 7,736                     | 7,813                      | 7,884        | -1.0           | -0.9           | -0.6          | 7,903                     | 7,882                      | 8,034        | 7,635        | +3.5                               |
| Lumber, furniture and<br>miscellaneous durable goods . . . . .  | 12,363                    | 12,327                     | 12,413       | +0.3           | -0.7           | -2.0          | 12,058                    | 12,090                     | 12,403       | 11,614       | +3.8                               |
| Nondurable goods industries . . . . .                           | 82,220                    | 81,414                     | 81,023       | +1.0           | +0.5           | +1.0          | 82,465                    | 81,573                     | 81,747       | 80,265       | +2.7                               |
| Food and kindred products . . . . .                             | 21,215                    | 20,656                     | 20,396       | +2.7           | +1.3           | +0.3          | 22,331                    | 21,565                     | 20,842       | 21,388       | +4.4                               |
| Tobacco products . . . . .                                      | 458                       | 502                        | 516          | -8.8           | -2.7           | +1.2          | 564                       | 473                        | 396          | 864          | -34.7                              |
| Textile mill products . . . . .                                 | 4,698                     | 4,753                      | 4,735        | -1.2           | +0.4           | +0.2          | 4,597                     | 4,647                      | 4,784        | 4,582        | +0.3                               |
| Paper and allied products . . . . .                             | 6,651                     | 6,619                      | 6,551        | +0.5           | +1.0           | -1.3          | 6,523                     | 6,507                      | 6,537        | 6,805        | -4.1                               |
| Chemicals and allied products . . . . .                         | 22,488                    | 22,389                     | 22,456       | +0.4           | -0.3           | +1.7          | 22,118                    | 21,913                     | 22,374       | 21,592       | +2.4                               |
| Petroleum and coal products . . . . .                           | 5,580                     | 5,530                      | 5,454        | +0.9           | +1.4           | +4.0          | 5,680                     | 5,692                      | 5,553        | 5,017        | +13.2                              |
| Rubber and plastics products . . . . .                          | 8,373                     | 8,103                      | 7,956        | +3.3           | +1.8           | +1.6          | 8,074                     | 7,764                      | 7,852        | 7,264        | +11.2                              |
| Apparel, printing and publishing<br>and leather goods . . . . . | 12,757                    | 12,862                     | 12,959       | -0.8           | -0.7           | +0.8          | 12,578                    | 13,012                     | 13,409       | 12,753       | -1.4                               |

<sup>p</sup> Preliminary. <sup>r</sup> Revised.

See note at end of table 2 relating to survey error and revision.



**Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP**  
(Based on seasonally adjusted data)

| Industry  | Inventory / Shipments ratio |                         |           |           | Unfilled Orders / Shipments ratio <sup>1</sup> |                         |           |           |
|---|-----------------------------|-------------------------|-----------|-----------|--|-------------------------|-----------|-----------|
|   | Oct. 1999 <sup>p</sup>      | Sept. 1999 <sup>r</sup> | Aug. 1999 | July 1999 | Oct. 1999 <sup>p</sup>                         | Sept. 1999 <sup>r</sup> | Aug. 1999 | July 1999 |
| All manufacturing industries . . . . .              | 1.30                        | 1.30                    | 1.28      | 1.30      | 2.56   | 2.58                    | 2.53      | 2.55      |
| Durable goods industries . . . . .                  | 1.45                        | 1.45                    | 1.42      | 1.44      | 2.99   | 3.02                    | 2.95      | 2.98      |
| Stone, clay, and glass products . . . . .           | 1.11                        | 1.10                    | 1.10      | 1.10      | 0.72   | 0.71                    | 0.70      | 0.73      |
| Primary metals . . . . .                            | 1.57                        | 1.55                    | 1.56      | 1.59      | 2.13   | 2.10                    | 2.10      | 2.11      |
| Fabricated metal products . . . . .                 | 1.54                        | 1.53                    | 1.49      | 1.52      | 1.29   | 1.30                    | 1.29      | 1.31      |
| Industrial machinery and equipment . . . . .        | 1.51                        | 1.59                    | 1.55      | 1.52      | 2.13   | 2.24                    | 2.15      | 2.10      |
| Electronic and other electrical equipment . . . . . | 1.20                        | 1.18                    | 1.17      | 1.17      | 2.16   | 2.14                    | 2.04      | 1.94      |
| Transportation equipment . . . . .                  | 1.48                        | 1.46                    | 1.39      | 1.48      | 8.77   | 8.77                    | 8.23      | 8.96      |
| Instruments and related products . . . . .          | 1.82                        | 1.83                    | 1.87      | 1.88      | 3.09   | 3.13                    | 3.23      | 3.28      |
| Nondurable goods industries . . . . .               | 1.10                        | 1.10                    | 1.10      | 1.11      | 0.68   | 0.67                    | 0.67      | 0.65      |
| Food and kindred products . . . . .                 | 0.91                        | 0.91                    | 0.91      | 0.92      | (X)  | (X)                     | (X)       | (X)       |
| Tobacco products . . . . .                          | 1.17                        | 1.21                    | 1.21      | 1.21      | (X)  | (X)                     | (X)       | (X)       |
| Textile mill products . . . . .                     | 1.52                        | 1.56                    | 1.54      | 1.53      | (NA)   | (NA)                    | (NA)      | (NA)      |
| Paper and allied products . . . . .                 | 1.17                        | 1.17                    | 1.14      | 1.18      | (NA)   | (NA)                    | (NA)      | (NA)      |
| Chemicals and allied products . . . . .             | 1.32                        | 1.33                    | 1.33      | 1.36      | (X)  | (X)                     | (X)       | (X)       |
| Petroleum and coal products . . . . .               | 0.77                        | 0.76                    | 0.76      | 0.77      | (X)  | (X)                     | (X)       | (X)       |
| Rubber and plastics products . . . . .              | 1.29                        | 1.28                    | 1.25      | 1.27      | (X)  | (X)                     | (X)       | (X)       |

<sup>p</sup> Preliminary. <sup>r</sup> Revised. (X) Not applicable. (NA) Not available.

<sup>1</sup> Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

**Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES**  
(Based on seasonally adjusted data)

| Industry  | Shipments              |                             |                      | New orders             |                             |                      | Unfilled orders        |                             |                      | Inventories            |                             |                      |
|---|------------------------|-----------------------------|----------------------|------------------------|-----------------------------|----------------------|------------------------|-----------------------------|----------------------|------------------------|-----------------------------|----------------------|
|   | Oct. <sup>1</sup> 1999 | Oct. <sup>2</sup> 1994-1998 | Oct. 1998-Sept. 1999 | Oct. <sup>1</sup> 1999 | Oct. <sup>2</sup> 1994-1998 | Oct. 1998-Sept. 1999 | Oct. <sup>1</sup> 1999 | Oct. <sup>2</sup> 1994-1998 | Oct. 1998-Sept. 1999 | Oct. <sup>1</sup> 1999 | Oct. <sup>2</sup> 1994-1998 | Oct. 1998-Sept. 1999 |
| All manufacturing industries . . . . .              | (X)                    | 0.2                         | 0.1                  | (X)                    | 0.1                         | 0.2                  | (X)                    | 0.1                         | 0.1                  | (X)                    | 0.1                         | 0.0                  |
| Durable goods industries . . . . .                  | -0.4                   | 0.2                         | 0.1                  | 0.1                    | 0.2                         | 0.4                  | 0.4                    | 0.1                         | 0.1                  | (X)                    | 0.1                         | 0.0                  |
| Stone, clay, and glass products . . . . .           | (X)                    | 0.4                         | 0.4                  | (X)                    | 0.3                         | 0.4                  | (X)                    | 0.8                         | 0.5                  | (X)                    | 0.2                         | 0.2                  |
| Primary metals . . . . .                            | -0.1                   | 0.4                         | 0.2                  | 0.1                    | 0.8                         | 0.8                  | 0.3                    | 0.3                         | 0.4                  | (X)                    | 0.0                         | 0.0                  |
| Fabricated metal products . . . . .                 | (X)                    | 0.1                         | 0.2                  | (X)                    | 0.5                         | 0.5                  | (X)                    | 0.4                         | 0.3                  | (X)                    | 0.1                         | 0.1                  |
| Industrial machinery and equipment . . . . .        | -0.9                   | 0.4                         | 0.4                  | -1.1                   | 0.4                         | 0.3                  | 0.0                    | 0.2                         | 0.1                  | (X)                    | 0.1                         | 0.1                  |
| Electronic and other electrical equipment . . . . . | -0.3                   | 0.3                         | 0.4                  | 4.9                    | 0.9                         | 1.4                  | 3.4                    | 0.4                         | 0.7                  | (X)                    | 0.1                         | 0.2                  |
| Transportation equipment . . . . .                  | -0.6                   | 0.4                         | 0.5                  | -2.1                   | 0.9                         | 0.9                  | -0.3                   | 0.1                         | 0.1                  | (X)                    | 0.5                         | 0.2                  |
| Instruments and related products . . . . .          | (X)                    | 0.2                         | 0.5                  | (X)                    | 1.1                         | 1.1                  | (X)                    | 0.3                         | 0.3                  | (X)                    | 0.2                         | 0.1                  |
| Nondurable goods industries . . . . .               | (X)                    | 0.2                         | 0.1                  | (X)                    | 0.2                         | 0.1                  | (X)                    | 0.2                         | 0.2                  | (X)                    | 0.1                         | 0.1                  |
| Food and kindred products . . . . .                 | (X)                    | 0.5                         | 0.2                  | (X)                    | (X)                         | (X)                  | (X)                    | (X)                         | (X)                  | (X)                    | 0.2                         | 0.2                  |
| Tobacco products . . . . .                          | (X)                    | 0.1                         | 0.1                  | (X)                    | (X)                         | (X)                  | (X)                    | (X)                         | (X)                  | (X)                    | 0.0                         | 0.1                  |
| Textile mill products . . . . .                     | (X)                    | 0.2                         | 0.3                  | (X)                    | (NA)                        | (NA)                 | (X)                    | (NA)                        | (NA)                 | (X)                    | 0.1                         | 0.1                  |
| Paper and allied products . . . . .                 | (X)                    | 0.1                         | 0.2                  | (X)                    | (NA)                        | (NA)                 | (X)                    | (NA)                        | (NA)                 | (X)                    | 0.0                         | 0.1                  |
| Chemicals and allied products . . . . .             | (X)                    | 0.2                         | 0.2                  | (X)                    | (X)                         | (X)                  | (X)                    | (X)                         | (X)                  | (X)                    | 0.1                         | 0.1                  |
| Petroleum and coal products . . . . .               | (X)                    | 0.2                         | 0.5                  | (X)                    | (X)                         | (X)                  | (X)                    | (X)                         | (X)                  | (X)                    | 0.2                         | 0.5                  |
| Rubber and plastics products . . . . .              | (X)                    | 0.2                         | 0.2                  | (X)                    | (X)                         | (X)                  | (X)                    | (X)                         | (X)                  | (X)                    | 0.2                         | 0.2                  |
| Capital goods industries :                          |                        |                             |                      |                        |                             |                      |                        |                             |                      |                        |                             |                      |
| Nondefense . . . . .                                | -0.7                   | 0.3                         | 0.2                  | 1.6                    | 0.5                         | 0.5                  | 0.5                    | 0.1                         | 0.1                  | (X)                    | 0.3                         | 0.1                  |
| Defense . . . . .                                   | -3.3                   | 0.8                         | 0.6                  | -12.7                  | 4.2                         | 4.4                  | 0.3                    | 0.2                         | 0.3                  | (X)                    | 0.4                         | 0.2                  |

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

<sup>1</sup> The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

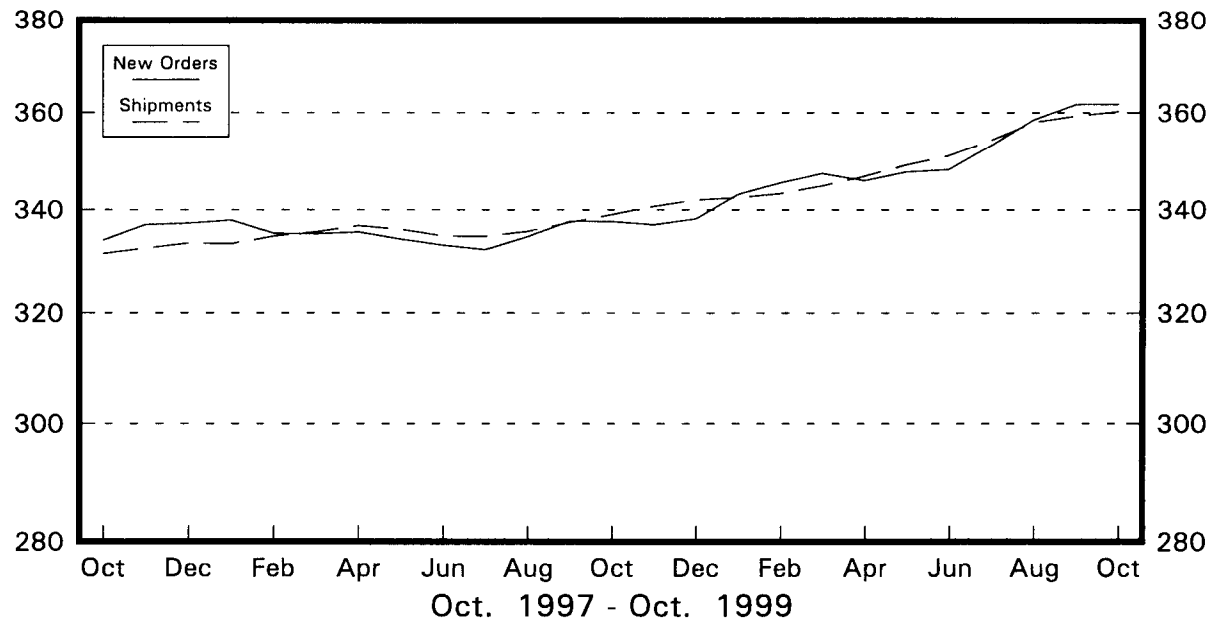
<sup>2</sup> Average for this month for the last five years.

See note at end of table 2 relating to survey error and revision.

## Total Manufacturing

New Orders and Shipments  
Three Month Moving Averages

Billions of Dollars

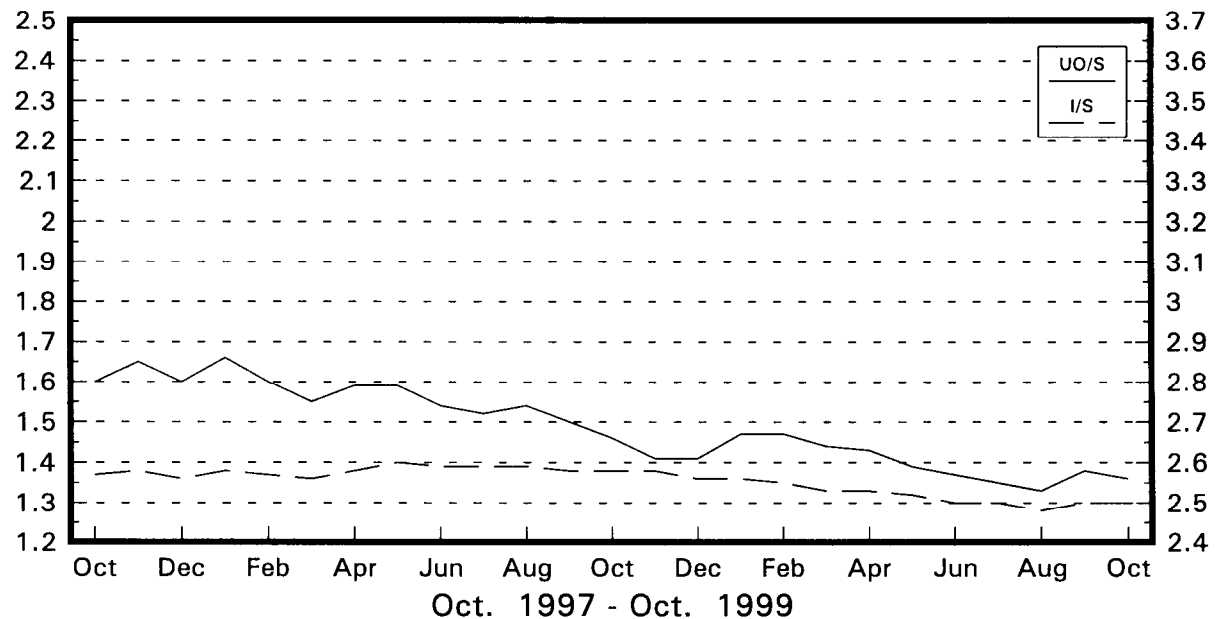


## Total Manufacturing

Ratio of Unfilled Orders and  
Inventories to Shipments

I/S Ratios

UO/S Ratios



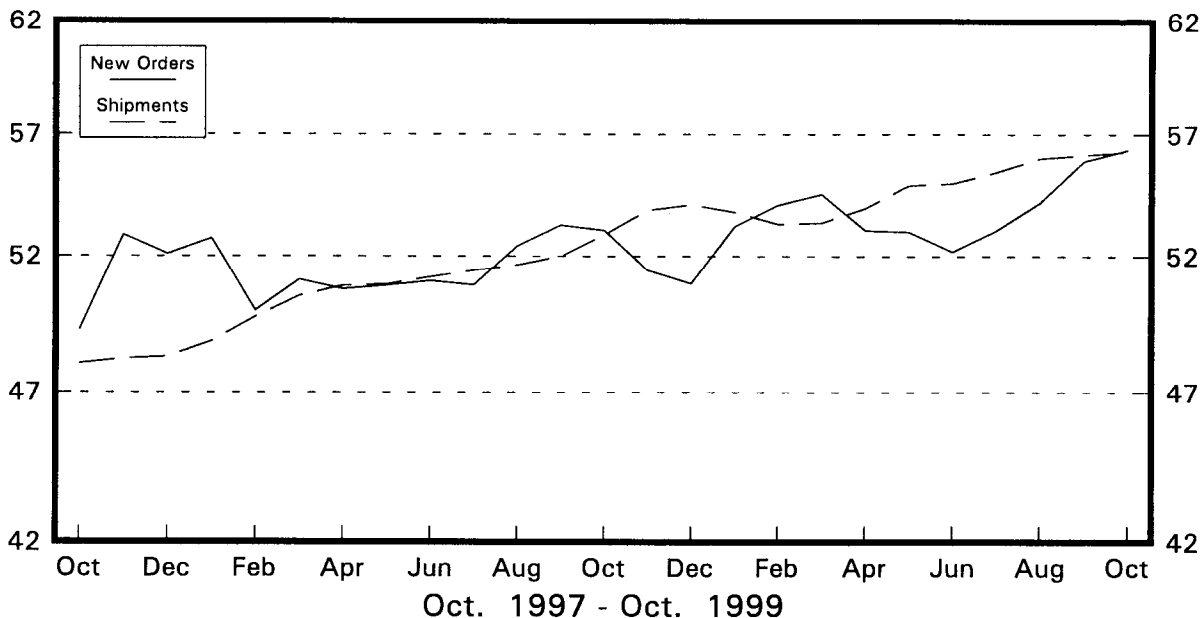
Note: All Charts based on seasonally adjusted current dollars.

# Nondefense Capital Goods

11

New Orders and Shipments  
Three Month Moving Averages

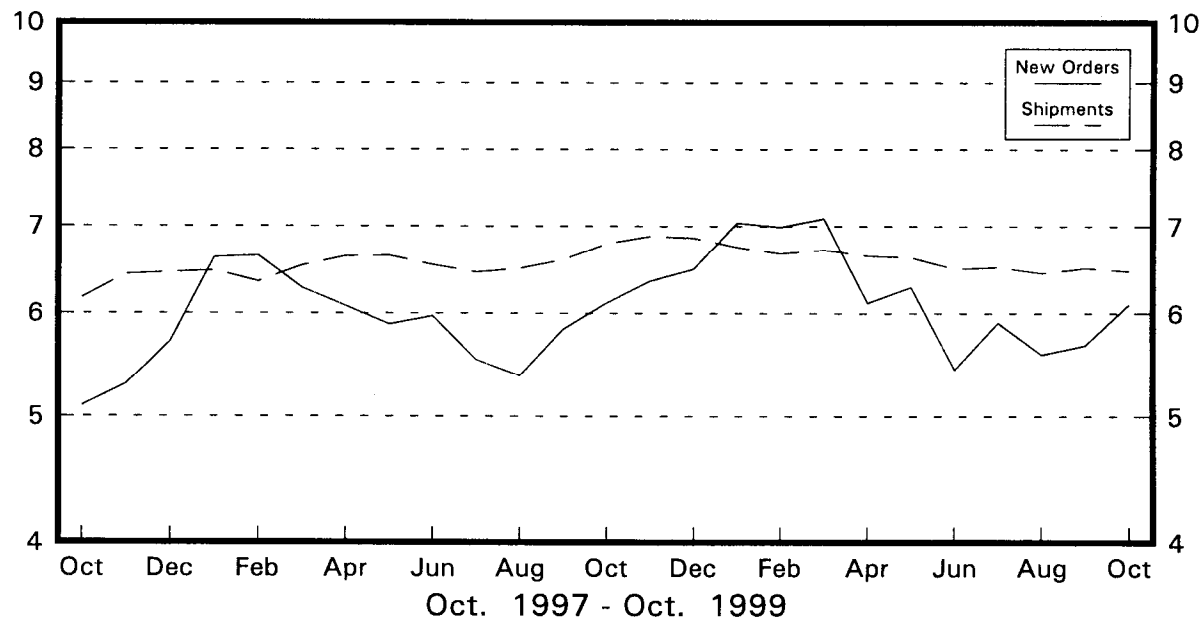
Billions of Dollars



# Defense Capital Goods

New Orders and Shipments  
Three Month Moving Averages

Billions of Dollars



Note: All Charts based on seasonally adjusted current dollars.