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Economics and Statistics Administration
BUREAU OF THE CENSUS

Manufacturers' Shipments, Inventories, and Orders

July 1999

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All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in July increased \$7.3 billion or 2.1 percent to \$358.5 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 0.8 percent June increase and is the eleventh increase in the last fourteen months. Excluding transportation, new orders increased 2.1 percent, the fifth increase in the last six months. Year-to-date, new orders are 4.5 percent above the same period a year ago.

Shipments increased \$1.7 billion or 0.5 percent to \$356.4 billion, following a 1.2 percent June increase. This is the eleventh increase in the last fourteen months. Year-to-date, shipments are 4.1 percent above the same period a year ago.

Unfilled orders increased \$2.0 billion or 0.4 percent to \$520.1 billion, following a 0.7 percent June decrease. This is the first increase since March. The unfilled orders-to-shipments ratio was 2.55, down from 2.57 in June.

Inventories increased \$2.2 billion or 0.5 percent to \$464.9 billion. This is the largest increase since October 1998. The inventories-to-shipments ratio was 1.30, unchanged from June.

New Orders

New orders for manufactured durable goods in July increased \$7.1 billion or 3.6 percent to \$204.2 billion, the Department of Commerce, Bureau of the Census reported today. This is the eleventh increase in the last fourteen months and the largest since November 1997. Excluding transportation, new orders increased 4.1 percent.

Industrial machinery and equipment, led by computers and office equipment, had the largest increase, \$3.8 billion or 10.4 percent to \$40.2 billion. This is the largest increase since February 1985. Electronic and other electrical equipment increased \$1.7 billion or 4.7 percent to \$36.8 billion, mostly due to electronic components. This is the fourth increase in the last five months. Transportation equipment, up three consecutive months, increased \$1.0 billion or 2.1 percent to \$47.2 billion. Primary metals, up four consecutive months, increased \$0.3 billion or 2.3 percent to \$15.6 billion.

New orders for nondurable goods, up five of the last six months, increased \$0.2 billion or 0.1 percent to \$154.2 billion. An increase in petroleum and coal products more than offset a decrease in food and kindred products.

Shipments

Shipments of durable goods in July increased \$1.5 billion or 0.8 percent to \$202.5 billion. This is the twelfth increase in

the last fourteen months. Industrial machinery and equipment had the largest increase, \$2.1 billion or 5.5 percent to \$39.4 billion. This is the fifth increase in the last six months and the largest since July 1987. Electronic and other electrical equipment, up five consecutive months, increased \$0.9 billion or 2.6 percent to \$35.1 billion. Transportation equipment decreased \$1.3 billion or 2.7 percent to \$48.5 billion; led by motor vehicles and parts, all components decreased except shipbuilding and tanks.

Shipments of nondurable goods increased \$0.2 billion or 0.1 percent to \$153.9 billion. This is the fifth increase in the last six months. Petroleum and coal products, up six consecutive months, increased \$0.9 billion or 6.3 percent to \$14.6 billion. Food and kindred products decreased \$0.6 billion or 1.4 percent to \$41.5 billion.

Unfilled Orders

Unfilled orders for durable goods in July, up for the first time since March, increased \$1.7 billion or 0.3 percent to \$495.6 billion. Electronic and other electrical equipment, up eight consecutive months, had the largest increase, \$1.7 billion or 2.6 percent to \$67.9 billion. Industrial machinery and equipment, up seven of the last eight months, increased \$0.9 billion or 1.1 percent to \$79.1 billion. Primary metals, up six consecutive months, increased \$0.8 billion or 2.5 percent to \$31.4 billion. This is the largest increase since September 1997. Notwithstanding these increases, transportation equipment, down thirteen of the last fifteen months, decreased \$1.2 billion or 0.5 percent to \$230.5 billion.

Inventories

Inventories of durable goods in July increased \$1.8 billion or 0.6 percent to \$293.4 billion. This is the first increase since February.

Transportation equipment had the largest increase, \$0.9 billion or 1.2 percent to \$72.4 billion. This is the first increase since February. Instruments and related products increased \$0.3 billion or 1.2 percent to \$26.9 billion. Fabricated metal products increased \$0.3 billion or 0.9 percent to \$31.0 billion.

Inventories of nondurable goods, up four of the last five months, increased \$0.4 billion or 0.2 percent to \$171.5 billion.

By stage of fabrication, July finished goods increased 0.3 percent in durables and 0.4 percent in nondurables. Work in process increased 0.5 percent in durables and decreased 0.4 percent in nondurables. Materials and supplies increased 1.1 percent in durables and 0.4 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 ¹ | | | | | | |
|---|------------------------|------------------------|----------|----------------|----------|----------|--------------------------------------|------------------------|----------|-----------|----------------|--------------|-------------------|
| | Monthly | | | Percent Change | | | Monthly | | | | Percent change | Year to date | |
| | July 1999 ^P | June 1999 ^P | May 1999 | June-July | May-June | Apr.-May | July 1999 ^P | June 1999 ^P | May 1999 | July 1998 | | July 99/98 | 1999 ^P |
| All manufacturing industries | 356,442 | 354,702 | 350,624 | +0.5 | +1.2 | +0.9 | 319,970 | 380,057 | 349,625 | 302,131 | +5.9 | 2,411,222 | 2,316,560 |
| Manufacturing Industries | | | | | | | | | | | | | |
| with unfilled orders | 203,740 | 201,266 | 201,211 | +1.2 | 0.0 | +1.0 | 180,892 | 218,997 | 197,615 | 172,719 | +4.7 | 1,372,347 | 1,324,940 |
| without defense capital goods | 349,788 | 348,424 | 343,955 | +0.4 | +1.3 | +0.9 | 314,152 | 373,323 | 343,142 | 296,440 | +6.0 | 2,366,611 | 2,272,184 |
| Durable goods industries | 202,507 | 200,990 | 199,425 | +0.8 | +0.8 | +1.1 | 170,896 | 219,424 | 198,773 | 158,992 | +7.5 | 1,364,634 | 1,288,816 |
| With unfilled orders | 165,911 | 163,833 | 164,045 | +1.3 | -0.1 | +1.0 | 144,057 | 180,447 | 161,459 | 135,900 | +6.0 | 1,117,166 | 1,066,363 |
| Stone, clay, and glass products | 8,492 | 8,579 | 8,431 | -1.0 | +1.8 | +0.7 | 8,625 | 9,324 | 8,629 | 8,249 | +4.6 | 58,651 | 54,958 |
| Primary metals | 14,792 | 14,677 | 14,526 | +0.8 | +1.0 | +2.1 | 13,495 | 15,501 | 14,894 | 13,580 | -0.6 | 102,084 | 108,764 |
| Blast furnaces, steel mills | 5,628 | 5,615 | 5,626 | +0.2 | -0.2 | +2.1 | 5,144 | 5,933 | 5,780 | 5,460 | -5.8 | 39,467 | 44,636 |
| Iron and steel foundries | 1,533 | 1,536 | 1,504 | -0.2 | +2.1 | +0.6 | 1,282 | 1,636 | 1,581 | 1,240 | +3.4 | 10,718 | 10,611 |
| Nonferrous and other primary metals | 7,631 | 7,526 | 7,396 | +1.4 | +1.8 | +2.4 | 7,069 | 7,932 | 7,533 | 6,880 | +2.7 | 51,899 | 53,517 |
| Fabricated metal products | 20,395 | 20,544 | 20,411 | -0.7 | +0.7 | 0.0 | 18,196 | 21,800 | 20,751 | 18,129 | +0.4 | 141,704 | 136,862 |
| Industrial machinery and equipment | 39,360 | 37,308 | 37,519 | +5.5 | -0.6 | +0.1 | 34,055 | 44,097 | 36,517 | 32,255 | +5.6 | 260,187 | 257,495 |
| Engines and turbines | 2,565 | 2,470 | 2,498 | +3.8 | -1.1 | +3.9 | 1,873 | 2,913 | 2,510 | 1,608 | +16.5 | 16,349 | 15,177 |
| Farm and garden machinery | 1,763 | 1,763 | 1,807 | 0.0 | -2.4 | -5.3 | 1,434 | 1,805 | 2,149 | 1,669 | -14.1 | 14,841 | 16,355 |
| Construction, mining and material handling equipment | 3,817 | 3,869 | 3,814 | -1.3 | +1.4 | -3.2 | 3,554 | 4,359 | 3,833 | 4,188 | -15.1 | 27,990 | 30,380 |
| Metalworking machinery | 3,611 | 3,549 | 3,663 | +1.7 | -3.1 | +6.4 | 3,070 | 3,919 | 3,631 | 2,932 | +4.7 | 23,550 | 23,045 |
| Computer and office equipment | 13,141 | 11,164 | 11,536 | +17.7 | -3.2 | -2.0 | 10,639 | 14,920 | 10,002 | 8,687 | +22.5 | 77,149 | 71,793 |
| Electronic and other electrical equipment | 35,080 | 34,196 | 33,836 | +2.6 | +1.1 | +0.5 | 30,508 | 37,380 | 32,345 | 27,019 | +12.9 | 225,735 | 205,574 |
| Electrical transmission and distribution equipment and industrial apparatus | 3,938 | 3,712 | 3,817 | +6.1 | -2.8 | +2.3 | 3,581 | 4,075 | 3,735 | 3,392 | +5.6 | 26,093 | 25,305 |
| Household appliances | 2,416 | 2,347 | 2,343 | +2.9 | +0.2 | -2.5 | 2,267 | 2,729 | 2,341 | 2,041 | +11.1 | 16,480 | 14,453 |
| Electric lighting and wiring equipment | 2,437 | 2,509 | 2,378 | -2.9 | +5.5 | +4.3 | 2,052 | 2,612 | 2,343 | 1,882 | +9.0 | 15,957 | 15,131 |
| Household audio and video equipment | 1,126 | 1,078 | 1,092 | +4.5 | -1.3 | +0.8 | 998 | 990 | 946 | 898 | +11.1 | 6,718 | 6,400 |
| Communications equipment | 8,800 | 8,528 | 8,374 | +3.2 | +1.8 | +1.6 | 7,411 | 10,054 | 7,669 | 5,664 | +30.8 | 54,382 | 45,741 |
| Electronic components | 14,057 | 13,726 | 13,527 | +2.4 | +1.5 | -0.9 | 12,396 | 14,550 | 13,028 | 11,412 | +8.6 | 91,335 | 84,595 |
| Transportation equipment | 48,454 | 49,781 | 48,891 | -2.7 | +1.8 | +2.4 | 32,741 | 52,128 | 50,363 | 28,518 | +14.8 | 331,851 | 295,103 |
| Motor vehicles and parts | 34,141 | 34,813 | 32,717 | -1.9 | +6.4 | +1.6 | 20,447 | 36,080 | 34,588 | 16,637 | +22.9 | 227,899 | 199,960 |
| Aircraft, missiles, space vehicles, and parts | 10,933 | 11,317 | 12,741 | -3.4 | -11.2 | +4.0 | 9,331 | 12,080 | 12,353 | 9,374 | -0.5 | 80,556 | 74,270 |
| Shipbuilding and tanks | 979 | 910 | 999 | +7.6 | -8.9 | +5.5 | 903 | 971 | 979 | 832 | +8.5 | 6,577 | 6,291 |
| Instruments and related products | 14,460 | 14,611 | 14,309 | -1.0 | +2.1 | +0.7 | 12,976 | 16,166 | 13,940 | 12,608 | +2.9 | 98,441 | 96,255 |
| Search and navigation equipment | 3,248 | 3,200 | 3,200 | +1.5 | 0.0 | +2.9 | 2,915 | 3,461 | 3,062 | 2,753 | +5.9 | 21,689 | 20,722 |
| Measuring and controlling devices | 4,139 | 4,118 | 4,077 | +0.5 | +1.0 | -0.1 | 3,652 | 4,435 | 4,059 | 3,565 | +2.4 | 28,238 | 28,263 |
| Medical instruments and supplies | 4,729 | 4,943 | 4,761 | -4.3 | +3.8 | +1.1 | 4,250 | 5,565 | 4,551 | 4,076 | +4.3 | 32,844 | 30,822 |
| Photographic goods | 1,883 | 1,873 | 1,780 | +0.5 | +5.2 | -2.1 | 1,708 | 2,176 | 1,766 | 1,763 | -3.1 | 12,297 | 13,251 |
| All other durable goods | 21,474 | 21,294 | 21,502 | +0.8 | -1.0 | +1.7 | 20,300 | 23,028 | 21,334 | 18,634 | +8.9 | 145,981 | 133,805 |
| Nondurable goods industries | 153,935 | 153,712 | 151,199 | +0.1 | +1.7 | +0.6 | 149,074 | 160,633 | 150,852 | 143,139 | +4.1 | 1,046,588 | 1,027,744 |
| With unfilled orders | 37,829 | 37,433 | 37,166 | +1.1 | +0.7 | +0.9 | 36,835 | 38,550 | 36,156 | 36,819 | 0.0 | 255,181 | 258,577 |
| Food and kindred products | 41,485 | 42,055 | 41,494 | -1.4 | +1.4 | +1.9 | 39,850 | 43,209 | 41,560 | 39,068 | +2.0 | 285,945 | 279,490 |
| Meat products | 8,770 | 9,040 | 8,700 | -3.0 | +3.9 | +1.2 | 8,726 | 9,345 | 8,866 | 8,591 | +1.6 | 60,339 | 60,312 |
| Dairy products | 6,367 | 6,475 | 6,413 | -1.7 | +1.0 | +5.2 | 6,050 | 6,668 | 6,447 | 5,976 | +1.2 | 44,794 | 41,850 |
| Beverages | 6,351 | 6,324 | 6,260 | +0.4 | +1.0 | -0.9 | 6,682 | 7,183 | 6,675 | 6,378 | +4.8 | 44,135 | 42,571 |
| All other foods, except fats and oils | 18,280 | 18,398 | 18,317 | -0.6 | +0.4 | +2.3 | 16,675 | 18,195 | 17,768 | 16,177 | +3.1 | 123,679 | 120,238 |
| Tobacco products | 4,267 | 4,230 | 4,063 | +0.9 | +4.1 | -0.2 | 4,157 | 4,501 | 4,072 | 3,357 | +23.8 | 28,950 | 23,575 |
| Textile mill products | 6,544 | 6,447 | 6,533 | +1.5 | -1.3 | -0.4 | 6,043 | 7,019 | 6,610 | 6,292 | -4.0 | 44,754 | 47,261 |
| Broadwoven fabrics and other textiles | 3,711 | 3,732 | 3,761 | -0.6 | -0.8 | -0.6 | 3,235 | 4,034 | 3,829 | 3,596 | -10.0 | 25,895 | 28,890 |
| Paper and allied products | 13,611 | 13,460 | 13,394 | +1.1 | +0.5 | +0.1 | 13,333 | 14,038 | 13,258 | 13,580 | -1.8 | 93,942 | 97,124 |
| Pulp, paper, and paperboard mill products | 5,201 | 5,192 | 5,043 | +0.2 | +3.0 | -0.4 | 5,162 | 5,366 | 4,942 | 5,251 | -1.7 | 35,857 | 37,784 |
| Paperboard containers and boxes | 3,355 | 3,329 | 3,268 | +0.8 | +1.9 | -0.6 | 3,271 | 3,439 | 3,297 | 3,593 | -9.0 | 23,263 | 25,371 |
| Miscellaneous converted paper products | 5,055 | 4,939 | 5,083 | +2.3 | -2.8 | +1.0 | 4,900 | 5,233 | 5,019 | 4,736 | +3.5 | 34,822 | 33,969 |
| Chemicals and allied products | 34,313 | 34,483 | 33,580 | -0.5 | +2.7 | 0.0 | 32,686 | 36,988 | 33,721 | 30,935 | +5.7 | 236,785 | 230,098 |
| Industrial chemicals | 15,282 | 15,070 | 14,657 | +1.4 | +2.8 | +1.4 | 14,966 | 16,047 | 14,787 | 14,475 | +3.4 | 104,728 | 107,682 |
| Drugs, soaps, and toiletries | 15,213 | 15,446 | 15,100 | -1.5 | +2.3 | -1.6 | 14,174 | 16,369 | 14,050 | 13,008 | +9.0 | 102,313 | 92,169 |
| Petroleum and coal products | 14,565 | 13,703 | 13,045 | +6.3 | +5.0 | 0.0 | 15,142 | 14,467 | 13,758 | 12,428 | +21.8 | 87,978 | 86,853 |
| Rubber and plastics products | 13,354 | 13,609 | 13,484 | -1.9 | +0.9 | +0.3 | 12,324 | 14,495 | 13,865 | 12,150 | +1.4 | 95,112 | 92,339 |
| All other nondurable goods | 25,796 | 25,725 | 25,606 | +0.3 | +0.5 | +0.4 | 25,539 | 25,916 | 24,008 | 25,329 | +0.8 | 173,122 | 171,004 |

^P Preliminary. ^r Revised.

1. Data are reported on a calendar basis. Percent change is calculated for the day and calendar month variations.

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

| Industry | Seasonally adjusted | | | | | | Not seasonally adjusted ¹ | | | | | | |
|---|------------------------|------------------------|----------|----------------|----------|----------|--------------------------------------|------------------------|----------|-----------|----------------|--------------|-------------------|
| | Monthly | | | Percent Change | | | Monthly | | | | Percent change | Year to date | |
| | July 1999 ^p | June 1999 ^r | May 1999 | June-July | May-June | Apr.-May | July 1999 ^p | June 1999 ^r | May 1999 | July 1998 | | July 99/98 | 1999 ^p |
| All manufacturing industries | 358,466 | 351,128 | 348,259 | +2.1 | +0.8 | +1.0 | 329,117 | 370,797 | 344,067 | 306,253 | +7.5 | 2,422,386 | 2,316,293 |
| Manufacturing industries with unfilled orders | 205,764 | 197,692 | 198,846 | +4.1 | -0.6 | +1.1 | 190,039 | 209,737 | 192,057 | 176,841 | +7.5 | 1,383,511 | 1,324,673 |
| without defense capital goods | 351,807 | 345,919 | 342,240 | +1.7 | +1.1 | +0.7 | 323,966 | 365,884 | 339,113 | 302,334 | +7.2 | 2,379,767 | 2,276,239 |
| Durable goods industries | 204,232 | 197,084 | 196,609 | +3.6 | +0.2 | +1.0 | 178,663 | 209,554 | 192,553 | 162,637 | +9.9 | 1,372,615 | 1,288,050 |
| With unfilled orders | 167,636 | 159,927 | 161,229 | +4.8 | -0.8 | +0.9 | 151,824 | 170,577 | 155,239 | 139,545 | +8.8 | 1,125,147 | 1,065,597 |
| Stone, clay, and glass products | 8,466 | 8,527 | 8,388 | -0.7 | +1.7 | +1.5 | 8,610 | 9,266 | 8,566 | 8,361 | +3.0 | 58,691 | 55,343 |
| Primary metals | 15,555 | 15,206 | 14,811 | +2.3 | +2.7 | +0.3 | 14,339 | 15,295 | 14,691 | 12,753 | +12.4 | 104,764 | 106,514 |
| Blast furnaces, steel mills | 5,791 | 5,885 | 5,862 | -1.6 | +0.4 | +0.3 | 5,286 | 5,829 | 5,825 | 4,805 | +10.0 | 41,010 | 43,581 |
| Iron and steel foundries | 1,554 | 1,400 | 1,360 | +11.0 | +2.9 | -10.0 | 1,278 | 1,425 | 1,332 | 1,089 | +17.4 | 10,184 | 10,651 |
| Nonferrous and other primary metals | 8,210 | 7,921 | 7,589 | +3.6 | +4.4 | +2.4 | 7,775 | 8,041 | 7,534 | 6,859 | +13.4 | 53,570 | 52,282 |
| Fabricated metal products | 20,333 | 20,284 | 20,210 | +0.2 | +0.4 | +0.7 | 18,385 | 21,509 | 20,566 | 18,222 | +0.9 | 141,845 | 137,800 |
| Industrial machinery and equipment | 40,241 | 36,435 | 37,780 | +10.4 | -3.6 | -4.5 | 35,252 | 42,284 | 36,763 | 32,179 | +9.5 | 264,352 | 255,961 |
| Engines and turbines | 2,916 | 1,942 | 2,816 | +50.2 | -31.0 | -35.4 | 2,437 | 2,394 | 2,733 | 2,187 | +11.4 | 19,686 | 14,134 |
| Construction, mining and material handling equipment | 3,719 | 3,621 | 3,723 | +2.7 | -2.7 | -3.8 | 3,242 | 3,900 | 3,627 | 3,702 | -12.4 | 27,213 | 30,900 |
| Metalworking machinery | 3,888 | 3,427 | 3,682 | +13.5 | -6.9 | +2.0 | 3,347 | 3,797 | 3,650 | 2,980 | +12.3 | 24,062 | 23,216 |
| Computer and office equipment | 13,372 | 11,280 | 11,619 | +18.5 | -2.9 | +0.5 | 11,155 | 14,774 | 10,414 | 8,850 | +26.0 | 77,905 | 72,246 |
| Electronic and other electrical equipment | 36,819 | 35,158 | 34,067 | +4.7 | +3.2 | -0.9 | 37,406 | 35,607 | 30,303 | 32,182 | +16.2 | 238,020 | 212,722 |
| Electrical transmission and distribution equipment and industrial apparatus | 3,983 | 3,736 | 3,872 | +6.6 | -3.5 | +3.5 | 3,670 | 3,995 | 3,769 | 3,377 | +8.7 | 26,422 | 25,237 |
| Electric lighting and wiring equipment | 2,534 | 2,686 | 2,231 | -5.7 | +20.4 | -5.9 | 2,149 | 2,789 | 2,196 | 1,852 | +16.0 | 16,331 | 15,411 |
| Communications equipment | 8,925 | 8,640 | 8,372 | +3.3 | +3.2 | +2.1 | 7,530 | 10,145 | 7,674 | 5,332 | +41.2 | 55,528 | 48,437 |
| Electronic components | 15,526 | 14,305 | 14,101 | +8.5 | +1.4 | -1.9 | 19,010 | 12,566 | 11,459 | 17,083 | +11.3 | 101,937 | 89,004 |
| Transportation equipment | 47,215 | 46,253 | 45,728 | +2.1 | +1.1 | +9.9 | 31,384 | 47,846 | 46,165 | 27,428 | +14.4 | 319,684 | 290,816 |
| Aircraft, missiles, space vehicles, and parts | 10,580 | 9,117 | 10,377 | +16.0 | -12.1 | +43.7 | 8,649 | 9,138 | 9,237 | 8,432 | +2.6 | 71,251 | 71,609 |
| Shipbuilding and tanks | 668 | 275 | 579 | 142.9 | -52.5 | -9.4 | 576 | 432 | 548 | 285 | 102.1 | 6,428 | 5,346 |
| Instruments and related products | 14,183 | 13,887 | 14,370 | +2.1 | -3.4 | -3.1 | 12,749 | 14,925 | 14,055 | 12,623 | +1.0 | 98,109 | 94,721 |
| Search and navigation equipment | 2,901 | 3,091 | 3,107 | -6.1 | -0.5 | -12.1 | 2,231 | 3,363 | 2,835 | 2,129 | +4.8 | 21,327 | 19,164 |
| Measuring and controlling devices | 4,142 | 4,071 | 4,031 | +1.7 | +1.0 | -0.4 | 3,655 | 4,388 | 4,013 | 3,698 | -1.2 | 28,381 | 27,667 |
| Medical instruments and supplies | 4,780 | 4,400 | 5,006 | +8.6 | -12.1 | +0.1 | 4,690 | 4,498 | 4,970 | 4,809 | -2.5 | 32,850 | 32,016 |
| All other durable goods | 21,420 | 21,334 | 21,255 | +0.4 | +0.4 | +0.2 | 20,538 | 22,822 | 21,444 | 18,889 | +8.7 | 147,150 | 134,173 |
| Nondurable goods industries | 154,234 | 154,044 | 151,650 | +0.1 | +1.6 | +0.9 | 150,454 | 161,243 | 151,514 | 143,616 | +4.8 | 1,049,771 | 1,028,243 |
| With unfilled orders | 38,128 | 37,765 | 37,617 | +1.0 | +0.4 | +2.3 | 38,215 | 39,160 | 36,818 | 37,296 | +2.5 | 258,364 | 259,076 |

^p Preliminary. ^r Revised.

¹ 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 do 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 error which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further 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 July 99/98 |
| | July 1999 ^p | June 1999 ^r | May 1999 | June-July | May-June | Apr.-May | July 1999 ^p | June 1999 ^r | May 1999 | July 1998 | |
| All manufacturing industries | 520,088 | 518,064 | 521,638 | +0.4 | -0.7 | -0.5 | 524,150 | 515,003 | 524,263 | 531,291 | -1.3 |
| Manufacturing industries without defense capital goods | 426,177 | 424,158 | 426,663 | +0.5 | -0.6 | -0.4 | 430,429 | 420,615 | 428,054 | 433,397 | -0.7 |
| Durable goods industries | 495,613 | 493,888 | 497,794 | +0.3 | -0.8 | -0.6 | 498,021 | 490,254 | 500,124 | 505,568 | -1.5 |
| Stone, clay, and glass products | 6,056 | 6,082 | 6,134 | -0.4 | -0.8 | -0.7 | 6,111 | 6,126 | 6,184 | 6,561 | -6.9 |
| Primary metals | 31,432 | 30,669 | 30,140 | +2.5 | +1.8 | +1.0 | 31,527 | 30,683 | 30,889 | 32,088 | -1.7 |
| Blast furnaces, steel mills | 12,506 | 12,343 | 12,073 | +1.3 | +2.2 | +2.0 | 12,578 | 12,436 | 12,540 | 13,303 | -5.4 |
| Iron and steel foundries | 4,859 | 4,838 | 4,974 | +0.4 | -2.7 | -2.8 | 4,818 | 4,822 | 5,033 | 5,516 | -12.7 |
| Nonferrous and other primary metals | 14,067 | 13,488 | 13,093 | +4.3 | +3.0 | +1.5 | 14,131 | 13,425 | 13,316 | 13,269 | +6.5 |
| Fabricated metal products | 25,246 | 25,308 | 25,568 | -0.2 | -1.0 | -0.8 | 25,575 | 25,386 | 25,677 | 27,288 | -6.3 |
| Industrial machinery and equipment | 79,117 | 78,236 | 79,109 | +1.1 | -1.1 | +0.3 | 78,606 | 77,409 | 79,222 | 71,891 | +9.3 |
| Engines and turbines | 22,526 | 22,175 | 22,703 | +1.6 | -2.3 | +1.4 | 22,062 | 21,498 | 22,017 | 11,491 | +92.0 |
| Construction, mining and material handling equipment | 8,990 | 9,088 | 9,336 | -1.1 | -2.7 | -1.0 | 8,856 | 9,168 | 9,627 | 10,886 | -18.6 |
| Metalworking machinery | 6,958 | 6,681 | 6,803 | +4.1 | -1.8 | +0.3 | 6,958 | 6,681 | 6,803 | 7,320 | -4.9 |
| Computer and office equipment | 8,415 | 8,184 | 8,068 | +2.8 | +1.4 | +1.0 | 8,697 | 8,181 | 8,327 | 8,085 | +7.6 |
| Electronic and other electrical equipment | 67,884 | 66,145 | 65,183 | +2.6 | +1.5 | +0.4 | 70,091 | 63,193 | 64,966 | 60,454 | +15.9 |
| Electrical transmission and distribution equipment and industrial apparatus | 6,475 | 6,430 | 6,406 | +0.7 | +0.4 | +0.9 | 6,510 | 6,421 | 6,501 | 6,450 | +0.9 |
| Electric lighting and wiring equipment | 5,396 | 5,299 | 5,122 | +1.8 | +3.5 | -2.8 | 5,396 | 5,299 | 5,122 | 5,207 | +3.6 |
| Communications equipment | 18,238 | 18,113 | 18,001 | +0.7 | +0.6 | 0.0 | 18,203 | 18,084 | 17,993 | 17,027 | +6.9 |
| Electronic components | 31,912 | 30,443 | 29,864 | +4.8 | +1.9 | +2.0 | 34,257 | 27,643 | 29,627 | 25,949 | +32.0 |
| Transportation equipment | 230,506 | 231,745 | 235,273 | -0.5 | -1.5 | -1.3 | 230,417 | 231,774 | 236,056 | 250,230 | -7.9 |
| Aircraft, missiles, space vehicles, and parts | 194,810 | 195,163 | 197,363 | -0.2 | -1.1 | -1.2 | 194,703 | 195,385 | 198,327 | 215,459 | -9.6 |
| Shipbuilding and tanks | 19,117 | 19,428 | 20,063 | -1.6 | -3.2 | -2.1 | 19,173 | 19,500 | 20,039 | 17,485 | +9.7 |
| Instruments and related products | 46,946 | 47,223 | 47,947 | -0.6 | -1.5 | +0.1 | 46,853 | 47,080 | 48,321 | 48,595 | -3.6 |
| Search and navigation equipment | 26,114 | 26,461 | 26,570 | -1.3 | -0.4 | -0.3 | 26,066 | 26,750 | 26,848 | 27,685 | -5.8 |
| Measuring and controlling devices | 10,328 | 10,325 | 10,372 | 0.0 | -0.5 | -0.4 | 10,328 | 10,325 | 10,372 | 10,257 | +0.7 |
| Medical instruments and supplies | 9,652 | 9,601 | 10,144 | +0.5 | -5.4 | +2.5 | 9,592 | 9,152 | 10,219 | 9,618 | -0.3 |
| All other durable goods | 8,426 | 8,480 | 8,440 | -0.6 | +0.5 | -2.8 | 8,841 | 8,603 | 8,809 | 8,461 | +4.5 |
| Nondurable goods industries | 24,475 | 24,176 | 23,844 | +1.2 | +1.4 | +1.9 | 26,129 | 24,749 | 24,139 | 25,723 | +1.6 |

^p Preliminary. ^r 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 July 99/98 |
| | July 1999 ^p | June 1999 ^r | May 1999 | June-July | May-June | Apr-May | July 1999 ^p | June 1999 ^r | May 1999 | July 1998 | |
| All manufacturing industries | 464,865 | 462,690 | 463,742 | +0.5 | -0.2 | +0.1 | 466,414 | 460,432 | 467,701 | 469,220 | -0.6 |
| Manufacturing industries with unfilled orders | 309,013 | 307,649 | 308,646 | +0.4 | -0.3 | -0.2 | 311,822 | 307,382 | 312,492 | 316,461 | -1.5 |
| without defense capital goods | 446,254 | 444,400 | 445,316 | +0.4 | -0.2 | +0.1 | 447,383 | 442,120 | 449,042 | 450,000 | -0.6 |
| Durable goods industries | 293,396 | 291,645 | 292,403 | +0.6 | -0.3 | 0.0 | 294,972 | 290,135 | 295,610 | 297,154 | -0.7 |
| With unfilled orders | 268,510 | 266,959 | 268,064 | +0.6 | -0.4 | -0.1 | 270,581 | 266,314 | 271,390 | 274,042 | -1.3 |
| Stone, clay, and glass products | 9,449 | 9,395 | 9,388 | +0.6 | +0.1 | +1.6 | 9,508 | 9,511 | 9,644 | 9,176 | +3.6 |
| Primary metals | 23,706 | 23,674 | 23,758 | +0.1 | -0.4 | +0.5 | 23,812 | 23,498 | 23,716 | 24,851 | -4.2 |
| Blast furnaces, steel mills | 11,405 | 11,468 | 11,599 | -0.5 | -1.1 | +0.2 | 11,467 | 11,262 | 11,443 | 12,349 | -7.1 |
| Iron and steel foundries | 1,605 | 1,611 | 1,617 | -0.4 | -0.4 | +0.1 | 1,590 | 1,638 | 1,665 | 1,557 | +2.1 |
| Nonferrous and other primary metals | 10,696 | 10,595 | 10,542 | +1.0 | +0.5 | +0.8 | 10,755 | 10,598 | 10,608 | 10,945 | -1.7 |
| Fabricated metal products | 31,015 | 30,740 | 31,006 | +0.9 | -0.9 | +0.4 | 31,213 | 31,023 | 31,373 | 31,152 | +0.2 |
| Industrial machinery and equipment | 59,734 | 59,867 | 60,331 | -0.2 | -0.8 | -0.3 | 59,774 | 59,347 | 61,320 | 61,030 | -2.1 |
| Engines and turbines | 4,491 | 4,273 | 4,358 | +5.1 | -2.0 | +0.1 | 4,549 | 4,146 | 4,496 | 4,196 | +8.4 |
| Farm and garden machinery | 3,567 | 3,601 | 3,628 | -0.9 | -0.7 | -0.4 | 3,291 | 3,385 | 3,472 | 3,431 | -4.1 |
| Construction, mining and material handling equipment | 8,898 | 8,879 | 8,973 | +0.2 | -1.0 | -0.6 | 8,787 | 8,903 | 9,103 | 8,653 | +1.5 |
| Metalworking machinery | 8,017 | 8,112 | 8,055 | -1.2 | +0.7 | -0.3 | 8,239 | 8,100 | 8,206 | 7,980 | +3.2 |
| Computer and office equipment | 8,641 | 9,004 | 8,958 | -4.0 | +0.5 | 0.0 | 8,906 | 8,999 | 9,391 | 9,891 | -10.0 |
| Electronic and other electrical equipment | 41,174 | 40,997 | 40,825 | +0.4 | +0.4 | +0.7 | 41,779 | 41,032 | 41,720 | 40,866 | +2.2 |
| Electrical transmission and distribution equipment and industrial apparatus | 5,243 | 5,214 | 5,246 | +0.6 | -0.6 | -1.0 | 5,221 | 5,124 | 5,272 | 5,299 | -1.5 |
| Household appliances | 2,400 | 2,410 | 2,437 | -0.4 | -1.1 | +1.5 | 2,397 | 2,446 | 2,647 | 2,364 | +1.4 |
| Electric lighting and wiring equipment | 3,568 | 3,566 | 3,534 | +0.1 | +0.9 | +0.1 | 3,666 | 3,607 | 3,604 | 3,544 | +3.4 |
| Household audio and video equipment | 1,154 | 1,043 | 981 | +10.6 | +6.3 | +1.8 | 1,268 | 1,049 | 961 | 1,060 | +19.6 |
| Communications equipment | 10,727 | 10,731 | 10,670 | 0.0 | +0.6 | +1.1 | 10,887 | 10,624 | 11,002 | 10,491 | +3.8 |
| Electronic components | 14,440 | 14,453 | 14,479 | -0.1 | -0.2 | +1.5 | 14,566 | 14,521 | 14,721 | 14,448 | +0.8 |
| Transportation equipment | 72,450 | 71,596 | 71,788 | +1.2 | -0.3 | -0.9 | 72,721 | 70,500 | 71,987 | 75,256 | -3.4 |
| Motor vehicles and parts | 17,711 | 17,597 | 17,233 | +0.6 | +2.1 | +0.9 | 17,932 | 17,125 | 17,170 | 17,022 | +5.3 |
| Aircraft, missiles, space vehicles, and parts | 48,629 | 48,037 | 48,659 | +1.2 | -1.3 | -1.6 | 48,622 | 47,431 | 48,816 | 52,504 | -7.4 |
| Shipbuilding and tanks | 2,216 | 2,208 | 2,078 | +0.4 | +6.3 | -1.0 | 2,219 | 2,221 | 2,093 | 1,729 | +28.3 |
| Instruments and related products | 26,912 | 26,587 | 26,644 | +1.2 | -0.2 | -0.6 | 27,287 | 26,663 | 27,074 | 27,010 | +1.0 |
| Search and navigation equipment | 6,783 | 6,691 | 6,775 | +1.4 | -1.2 | -0.7 | 7,003 | 6,737 | 6,922 | 6,988 | +0.2 |
| Measuring and controlling devices | 8,084 | 8,023 | 7,971 | +0.8 | +0.7 | -0.1 | 8,194 | 8,102 | 8,038 | 8,127 | +0.8 |
| Medical instruments and supplies | 8,837 | 8,724 | 8,670 | +1.3 | +0.6 | -0.2 | 8,896 | 8,693 | 8,806 | 8,554 | +4.0 |
| Photographic goods | 2,461 | 2,424 | 2,506 | +1.5 | -3.3 | -2.0 | 2,450 | 2,403 | 2,576 | 2,634 | -7.0 |
| All other durable goods | 28,956 | 28,789 | 28,663 | +0.6 | +0.4 | +1.1 | 28,878 | 28,561 | 28,776 | 27,813 | +3.8 |
| Nondurable goods industries | 171,469 | 171,045 | 171,339 | +0.2 | -0.2 | +0.3 | 171,442 | 170,297 | 172,091 | 172,066 | -0.4 |
| With unfilled orders | 40,503 | 40,690 | 40,582 | -0.5 | +0.3 | -0.8 | 41,241 | 41,068 | 41,102 | 42,419 | -2.8 |
| Food and kindred products | 37,849 | 38,037 | 38,182 | -0.5 | -0.4 | +0.5 | 36,749 | 36,600 | 37,028 | 36,333 | +1.1 |
| Meat products | 4,280 | 4,254 | 4,211 | +0.6 | +1.0 | -0.1 | 4,305 | 4,329 | 4,327 | 4,087 | +5.3 |
| Dairy products | 3,893 | 3,875 | 3,885 | +0.5 | -0.3 | +0.2 | 4,023 | 3,938 | 3,978 | 3,926 | +2.5 |
| Beverages | 8,683 | 8,797 | 8,776 | -1.3 | +0.2 | +1.4 | 8,447 | 8,678 | 8,762 | 7,987 | +5.8 |
| All other foods, except fats and oils | 19,364 | 19,409 | 19,564 | -0.2 | -0.8 | +0.6 | 18,427 | 18,013 | 18,264 | 18,521 | -0.5 |
| Tobacco products | 5,149 | 5,208 | 5,308 | -1.1 | -1.9 | -0.7 | 4,645 | 4,750 | 5,054 | 5,210 | -10.8 |
| Textile mill products | 10,033 | 10,107 | 10,051 | -0.7 | +0.6 | -0.3 | 10,176 | 10,193 | 10,340 | 10,428 | -2.4 |
| Broadwoven fabrics and other textiles | 6,123 | 6,171 | 6,186 | -0.8 | -0.2 | -0.5 | 6,179 | 6,170 | 6,324 | 6,461 | -4.4 |
| Paper and allied products | 16,052 | 16,070 | 16,023 | -0.1 | +0.3 | +0.2 | 16,005 | 16,066 | 16,217 | 16,513 | -3.1 |
| Pulp, paper, and paperboard mill products | 6,420 | 6,473 | 6,513 | -0.8 | -0.6 | +0.2 | 6,350 | 6,428 | 6,557 | 6,648 | -4.5 |
| Paperboard containers and boxes | 3,965 | 3,942 | 3,926 | +0.6 | +0.4 | +0.1 | 3,985 | 3,943 | 3,955 | 4,327 | -7.9 |
| Miscellaneous converted paper products | 5,667 | 5,655 | 5,584 | +0.2 | +1.3 | +0.2 | 5,670 | 5,695 | 5,705 | 5,538 | +2.4 |
| Chemicals and allied products | 46,999 | 46,581 | 46,929 | +0.9 | -0.7 | +1.2 | 47,121 | 46,543 | 47,565 | 46,483 | +1.4 |
| Industrial chemicals | 19,439 | 19,113 | 19,234 | +1.7 | -0.6 | +0.6 | 19,480 | 18,956 | 19,254 | 20,393 | -4.5 |
| Drugs, soaps, and toiletries | 21,620 | 21,581 | 21,780 | +0.2 | -0.9 | +2.0 | 21,987 | 21,949 | 22,448 | 20,783 | +5.8 |
| Petroleum and coal products | 11,062 | 10,814 | 10,706 | +2.3 | +1.0 | +0.2 | 11,256 | 10,985 | 11,040 | 11,066 | +1.7 |
| Rubber and plastics products | 17,009 | 16,902 | 16,902 | +0.6 | 0.0 | +0.6 | 17,023 | 16,930 | 17,093 | 16,646 | +2.3 |
| All other nondurable goods | 27,316 | 27,326 | 27,238 | 0.0 | +0.3 | -1.1 | 28,467 | 28,230 | 27,754 | 29,387 | -3.1 |

^p Preliminary. ^r Revised.

**Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS
FOR TOPICAL SERIES¹
(Millions of dollars)**

| Industry | Seasonally adjusted | | | | | | Not seasonally adjusted ² | | | | | | |
|---|------------------------|------------------------|----------|----------------|----------|----------|--------------------------------------|------------------------|----------|-----------|----------------|--------------|-------------------|
| | Monthly | | | Percent Change | | | Monthly | | | | Percent change | Year to date | |
| | July 1999 ^p | June 1999 ^r | May 1999 | June-July | May-June | Apr.-May | July 1999 ^p | June 1999 ^r | May 1999 | July 1998 | | July 99/98 | 1999 ^p |
| SHIPMENTS | | | | | | | | | | | | | |
| All manufacturing industries | 356,442 | 354,702 | 350,624 | +0.5 | +1.2 | +0.9 | 319,970 | 380,057 | 349,625 | 302,131 | +5.9 | 2,411,222 | 2,316,560 |
| Market categories : | | | | | | | | | | | | | |
| Automotive equipment | 16,644 | 16,967 | 15,936 | -1.9 | +6.5 | +2.1 | 10,181 | 17,746 | 16,731 | 8,370 | +21.6 | 110,607 | 96,817 |
| Home goods and apparel | 19,898 | 19,645 | 19,986 | +1.3 | -1.7 | -1.6 | 18,566 | 20,592 | 18,947 | 17,945 | +3.5 | 134,868 | 128,558 |
| Consumer staples | 74,002 | 74,050 | 72,565 | -0.1 | +2.0 | +0.8 | 71,837 | 77,136 | 71,794 | 67,118 | +7.0 | 497,377 | 473,720 |
| Machinery and equipment | 68,961 | 68,232 | 68,250 | +1.1 | 0.0 | +1.1 | 57,104 | 77,374 | 66,726 | 52,850 | +8.0 | 462,561 | 435,993 |
| Business supplies | 26,785 | 26,505 | 26,309 | +1.1 | +0.7 | +1.7 | 25,421 | 27,806 | 26,149 | 24,196 | +5.1 | 181,153 | 176,003 |
| Construction materials and supplies | 23,365 | 23,303 | 22,860 | +0.3 | +1.9 | +0.5 | 23,167 | 25,145 | 23,314 | 21,640 | +7.1 | 158,151 | 149,214 |
| Defense products | 6,855 | 6,565 | 6,845 | +4.4 | -4.1 | +1.6 | 6,092 | 7,025 | 6,650 | 6,027 | +1.1 | 46,368 | 46,826 |
| Other materials, supplies and intermediate products | 119,932 | 119,435 | 117,873 | +0.4 | +1.3 | +0.9 | 107,602 | 127,233 | 119,314 | 103,985 | +3.5 | 820,137 | 809,429 |
| Durable goods industries : | | | | | | | | | | | | | |
| Nondefense capital goods ³ | 55,983 | 54,472 | 55,543 | +2.8 | -1.9 | +1.5 | 48,489 | 63,559 | 52,908 | 44,305 | +9.4 | 370,872 | 349,043 |
| Excluding aircraft and parts | 48,645 | 46,459 | 46,376 | +4.7 | +0.2 | +0.8 | 42,219 | 54,986 | 44,039 | 37,828 | +11.6 | 314,063 | 298,189 |
| Defense capital goods ⁴ | 6,654 | 6,278 | 6,669 | +6.0 | -5.9 | +2.2 | 5,818 | 6,734 | 6,483 | 5,691 | +2.2 | 44,611 | 44,376 |
| Durables excluding capital goods | 139,870 | 140,240 | 137,213 | -0.3 | +2.2 | +0.9 | 116,589 | 149,131 | 139,382 | 108,996 | +7.0 | 949,151 | 895,397 |
| Miscellaneous series : | | | | | | | | | | | | | |
| Producers' durable equipment | 132,806 | 131,602 | 130,255 | +0.9 | +1.0 | +0.7 | 106,249 | 145,448 | 129,697 | 97,546 | +8.9 | 891,732 | 831,760 |
| Household durable goods | 10,569 | 10,262 | 10,418 | +3.0 | -1.5 | -0.8 | 9,217 | 10,937 | 10,019 | 8,281 | +11.3 | 70,094 | 63,018 |
| Information technology industries | 28,938 | 26,666 | 26,715 | +8.5 | -0.2 | -0.5 | 24,290 | 32,606 | 24,411 | 20,382 | +19.2 | 178,514 | 164,417 |
| Health care equipment and products | 12,971 | 13,317 | 12,954 | -2.6 | +2.8 | -0.6 | 11,919 | 14,439 | 12,191 | 11,130 | +7.1 | 88,378 | 80,921 |
| NEW ORDERS | | | | | | | | | | | | | |
| All manufacturing industries | 358,466 | 351,128 | 348,259 | +2.1 | +0.8 | +1.0 | 329,117 | 370,797 | 344,067 | 306,253 | +7.5 | 2,422,386 | 2,316,293 |
| Market categories : | | | | | | | | | | | | | |
| Automotive equipment | 16,642 | 16,986 | 15,944 | -2.0 | +6.5 | +2.3 | 10,223 | 17,737 | 16,674 | 8,363 | +22.2 | 110,689 | 96,692 |
| Home goods and apparel | 19,968 | 19,580 | 19,610 | +2.0 | -0.2 | -3.6 | 18,862 | 20,340 | 18,730 | 17,919 | +5.3 | 135,850 | 128,418 |
| Consumer staples | 74,077 | 74,127 | 72,661 | -0.1 | +2.0 | +0.9 | 72,516 | 77,462 | 71,899 | 67,646 | +7.2 | 498,515 | 474,411 |
| Machinery and equipment | 68,172 | 64,842 | 66,065 | +5.1 | -1.9 | +1.4 | 56,880 | 72,751 | 64,815 | 52,752 | +7.8 | 457,776 | 438,751 |
| Business supplies | 26,824 | 26,481 | 26,387 | +1.3 | +0.4 | +1.9 | 25,811 | 27,784 | 26,448 | 24,501 | +5.3 | 182,302 | 176,878 |
| Construction materials and supplies | 23,521 | 23,502 | 22,723 | +0.1 | +3.4 | -0.2 | 23,343 | 25,340 | 23,173 | 21,569 | +8.2 | 159,157 | 149,862 |
| Defense products | 6,899 | 5,492 | 6,090 | +25.6 | -9.8 | +14.2 | 5,562 | 5,240 | 5,042 | 4,423 | +25.8 | 44,341 | 42,056 |
| Other materials, supplies and intermediate products | 122,363 | 120,118 | 118,779 | +1.9 | +1.1 | +0.8 | 115,920 | 124,143 | 117,286 | 109,080 | +6.3 | 833,756 | 809,225 |
| Durable goods industries : | | | | | | | | | | | | | |
| Nondefense capital goods ³ | 55,266 | 50,948 | 53,041 | +8.5 | -3.9 | +1.0 | 48,068 | 59,120 | 50,399 | 43,832 | +9.7 | 365,334 | 349,664 |
| Excluding aircraft and parts | 48,884 | 44,540 | 46,057 | +9.8 | -3.3 | -2.9 | 42,754 | 52,152 | 43,713 | 37,492 | +14.0 | 317,293 | 298,729 |
| Defense capital goods ⁴ | 6,659 | 5,209 | 6,019 | +27.8 | -13.5 | +19.0 | 5,151 | 4,913 | 4,954 | 3,919 | +31.4 | 42,619 | 40,054 |
| Durables excluding capital goods | 142,307 | 140,927 | 137,549 | +1.0 | +2.5 | +0.3 | 125,444 | 145,521 | 137,200 | 114,886 | +9.2 | 964,662 | 898,332 |
| Miscellaneous series : | | | | | | | | | | | | | |
| Producers' durable equipment | 131,880 | 128,463 | 127,656 | +2.7 | +0.6 | +1.0 | 106,722 | 140,467 | 127,219 | 97,641 | +9.3 | 886,797 | 833,597 |
| Household durable goods | 10,661 | 10,258 | 10,052 | +3.9 | +2.0 | -4.1 | 9,567 | 10,759 | 9,753 | 8,249 | +16.0 | 70,692 | 62,495 |
| Information technology industries | 29,129 | 26,823 | 26,703 | +8.6 | +0.4 | +0.3 | 24,781 | 32,474 | 24,731 | 20,212 | +22.6 | 180,737 | 166,770 |
| Health care equipment and products | 13,022 | 12,775 | 13,199 | +1.9 | -3.2 | -0.9 | 12,361 | 13,374 | 12,611 | 11,864 | +4.2 | 88,391 | 82,118 |

^p Preliminary. ^r Revised.

¹ Topical series are regroupings of the separate industry categories.

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

³ 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 air conditioning 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.

⁴ Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, 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' UNFULFILLED ORDERS AND TOTAL INVENTORIES
FOR TOPICAL SERIES¹
(Millions of dollars)**

| Industry | Seasonally adjusted | | | | | | Not seasonally adjusted | | | | |
|--|---------------------------|---------------------------|-------------|----------------|--------------|--------------|---------------------------|---------------------------|-------------|--------------|------------------------------------|
| | Monthly | | | Percent Change | | | Monthly | | | | Percent change July 99/98 |
| | July 1999 ^p | June 1999 ^r | May 1999 | June- July | May- June | Apr.- May | July 1999 ^p | June 1999 ^r | May 1999 | July 1998 | |
| UNFULFILLED ORDERS | | | | | | | | | | | |
| All manufacturing industries | 520,088 | 518,064 | 521,638 | +0.4 | -0.7 | -0.5 | 524,150 | 515,003 | 524,263 | 531,291 | -1.3 |
| Market categories : | | | | | | | | | | | |
| Automotive equipment | 2,503 | 2,505 | 2,486 | -0.1 | +0.8 | +0.3 | 2,487 | 2,445 | 2,454 | 2,361 | +5.3 |
| Home goods and apparel | 8,980 | 8,911 | 8,975 | +0.8 | -0.7 | -4.0 | 9,293 | 8,997 | 9,249 | 8,418 | +10.4 |
| Consumer staples | 2,769 | 2,693 | 2,616 | +2.8 | +2.9 | +3.8 | 3,400 | 2,721 | 2,396 | 2,739 | +24.1 |
| Machinery and equipment | 235,554 | 236,343 | 239,733 | -0.3 | -1.4 | -0.9 | 235,784 | 236,008 | 240,632 | 245,501 | -4.0 |
| Business supplies | 7,153 | 7,114 | 7,138 | +0.5 | -0.3 | +1.1 | 7,669 | 7,279 | 7,301 | 7,307 | +5.0 |
| Construction materials | | | | | | | | | | | |
| and supplies | 18,075 | 17,919 | 17,721 | +0.9 | +1.1 | -0.8 | 18,246 | 18,071 | 17,876 | 18,274 | -0.2 |
| Defense products | 89,105 | 89,061 | 90,134 | 0.0 | -1.2 | -0.8 | 88,888 | 89,418 | 91,203 | 92,775 | -4.2 |
| Other materials, supplies and and intermediate products | 155,949 | 153,518 | 152,835 | +1.6 | +0.4 | +0.6 | 158,383 | 150,064 | 153,152 | 153,916 | +2.9 |
| Durable goods industries : | | | | | | | | | | | |
| Nondefense capital goods ³ | 251,883 | 252,600 | 256,124 | -0.3 | -1.4 | -1.0 | 251,544 | 251,965 | 256,404 | 261,837 | -3.9 |
| Excluding aircraft and parts | 110,146 | 109,907 | 111,826 | +0.2 | -1.7 | -0.3 | 109,807 | 109,272 | 112,106 | 103,712 | +5.9 |
| Defense capital goods ⁴ | 93,911 | 93,906 | 94,975 | 0.0 | -1.1 | -0.7 | 93,721 | 94,388 | 96,209 | 97,894 | -4.3 |
| Durables excluding capital goods | 149,819 | 147,382 | 146,695 | +1.7 | +0.5 | +0.2 | 152,756 | 143,901 | 147,511 | 145,837 | +4.7 |
| Miscellaneous series : | | | | | | | | | | | |
| Producers' durable equipment | 274,418 | 275,344 | 278,483 | -0.3 | -1.1 | -0.9 | 274,569 | 274,096 | 279,077 | 284,951 | -3.6 |
| Household durable goods | 5,633 | 5,541 | 5,545 | +1.7 | -0.1 | -6.2 | 5,759 | 5,409 | 5,587 | 5,260 | +9.5 |
| Information technology industries | 41,056 | 40,865 | 40,708 | +0.5 | +0.4 | 0.0 | 41,339 | 40,848 | 40,980 | 40,323 | +2.5 |
| Health care equipment and products | 9,694 | 9,643 | 10,185 | +0.5 | -5.3 | +2.5 | 9,637 | 9,195 | 10,260 | 9,661 | -0.2 |
| TOTAL INVENTORIES | | | | | | | | | | | |
| All manufacturing industries | 464,865 | 462,690 | 463,742 | +0.5 | -0.2 | +0.1 | 466,414 | 460,432 | 467,701 | 469,220 | -0.6 |
| Market categories : | | | | | | | | | | | |
| Automotive equipment | 8,894 | 8,817 | 8,652 | +0.9 | +1.9 | +0.7 | 9,019 | 8,630 | 8,784 | 8,630 | +4.5 |
| Home goods and apparel | 31,576 | 31,431 | 31,342 | +0.5 | +0.3 | +0.7 | 32,463 | 32,272 | 32,261 | 32,501 | -0.1 |
| Consumer staples | 74,294 | 74,284 | 74,620 | 0.0 | -0.5 | +0.7 | 73,423 | 73,131 | 74,316 | 72,164 | +1.7 |
| Machinery and equipment | 116,992 | 116,397 | 116,955 | +0.5 | -0.5 | -0.6 | 117,122 | 115,171 | 118,666 | 119,920 | -2.3 |
| Business supplies | 28,248 | 28,174 | 28,174 | +0.3 | 0.0 | -0.7 | 28,561 | 28,205 | 28,391 | 28,621 | -0.2 |
| Construction materials | | | | | | | | | | | |
| and supplies | 29,397 | 29,218 | 29,130 | +0.6 | +0.3 | +1.1 | 29,567 | 29,319 | 29,421 | 28,666 | +3.1 |
| Defense products | 18,335 | 18,088 | 18,121 | +1.4 | -0.2 | +0.6 | 18,719 | 18,116 | 18,335 | 18,898 | -0.9 |
| Other materials, supplies and and intermediate products | 157,129 | 156,281 | 156,748 | +0.5 | -0.3 | +0.2 | 157,540 | 155,588 | 157,527 | 159,820 | -1.4 |
| Durable goods industries : | | | | | | | | | | | |
| Nondefense capital goods ³ | 108,270 | 107,909 | 108,806 | +0.3 | -0.8 | -0.9 | 108,560 | 106,922 | 110,486 | 112,277 | -3.3 |
| Excluding aircraft and parts | 71,840 | 71,729 | 72,117 | +0.2 | -0.5 | -0.1 | 72,464 | 71,343 | 73,833 | 72,464 | 0.0 |
| Defense capital goods ⁴ | 18,611 | 18,290 | 18,426 | +1.8 | -0.7 | +0.3 | 19,031 | 18,312 | 18,659 | 19,220 | -1.0 |
| Durables excluding capital goods | 166,515 | 165,446 | 165,171 | +0.6 | +0.2 | +0.5 | 167,381 | 164,901 | 166,465 | 165,657 | +1.0 |
| Miscellaneous series : | | | | | | | | | | | |
| Producers' durable equipment | 190,130 | 189,119 | 189,490 | +0.5 | -0.2 | -0.2 | 191,120 | 188,043 | 191,887 | 193,150 | -1.1 |
| Household durable goods | 16,328 | 16,239 | 16,348 | +0.5 | -0.7 | +1.1 | 16,622 | 16,411 | 16,722 | 16,351 | +1.7 |
| Information technology industries | 32,715 | 32,842 | 32,758 | -0.4 | +0.3 | +0.1 | 33,364 | 32,801 | 33,762 | 33,680 | -0.9 |
| Health care equipment and products | 20,538 | 20,402 | 20,452 | +0.7 | -0.2 | +1.1 | 20,794 | 20,566 | 20,945 | 19,812 | +5.0 |

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 | | | | Perce change July 99/98 |
| | July 1999 ^P | June 1999 ^F | May 1999 | June- July | May- June | Apr.- May | July 1999 ^P | June 1999 ^F | May 1999 | July 1998 | |
| MATERIALS AND SUPPLIES | | | | | | | | | | | |
| All manufacturing industries | 154,151 | 152,952 | 152,843 | +0.8 | +0.1 | +0.1 | 154,671 | 151,818 | 152,148 | 156,626 | -1.2 |
| Durable goods industries | 93,008 | 92,031 | 91,677 | +1.1 | +0.4 | 0.0 | 93,631 | 91,023 | 91,086 | 93,984 | -0.4 |
| Stone, clay, and glass products | 3,206 | 3,192 | 3,201 | +0.4 | -0.3 | +0.5 | 3,208 | 3,184 | 3,190 | 3,038 | +5.6 |
| Primary metals | 7,406 | 7,358 | 7,357 | +0.7 | 0.0 | -1.3 | 7,431 | 7,218 | 7,125 | 8,039 | -7.6 |
| Fabricated metal products | 10,552 | 10,440 | 10,403 | +1.1 | +0.4 | +0.8 | 10,597 | 10,427 | 10,280 | 10,804 | -1.9 |
| Industrial machinery and equipment | 19,956 | 19,999 | 19,997 | -0.2 | 0.0 | -1.2 | 20,095 | 19,913 | 20,147 | 20,141 | -0.2 |
| Electronic and other | | | | | | | | | | | |
| electrical equipment | 16,458 | 15,913 | 15,565 | +3.4 | +2.2 | +0.4 | 16,786 | 15,720 | 15,590 | 15,957 | +5.2 |
| Transportation equipment | 15,434 | 15,270 | 15,306 | +1.1 | -0.2 | +1.6 | 15,655 | 15,116 | 15,256 | 15,956 | -1.9 |
| Instruments and related products | 9,096 | 9,014 | 8,912 | +0.9 | +1.1 | -1.5 | 9,152 | 9,039 | 8,990 | 9,280 | -1.4 |
| Lumber, furniture and | | | | | | | | | | | |
| miscellaneous durable goods | 10,900 | 10,845 | 10,936 | +0.5 | -0.8 | +0.2 | 10,707 | 10,406 | 10,508 | 10,769 | -0.6 |
| Nondurable goods industries | 61,143 | 60,921 | 61,166 | +0.4 | -0.4 | +0.2 | 61,040 | 60,795 | 61,062 | 62,642 | -2.6 |
| Food and kindred products | 11,595 | 11,593 | 11,642 | 0.0 | -0.4 | +0.7 | 11,412 | 11,475 | 11,493 | 11,291 | +1.1 |
| Tobacco products | 4,558 | 4,595 | 4,662 | -0.8 | -1.4 | -0.8 | 4,209 | 4,292 | 4,529 | 4,597 | -8.4 |
| Textile mill products | 2,831 | 2,873 | 2,841 | -1.5 | +1.1 | +0.6 | 2,881 | 2,896 | 2,915 | 3,022 | -4.7 |
| Paper and allied products | 7,723 | 7,707 | 7,678 | +0.2 | +0.4 | -0.4 | 7,681 | 7,669 | 7,652 | 8,080 | -4.9 |
| Chemicals and allied products | 15,735 | 15,476 | 15,692 | +1.7 | -1.4 | +0.4 | 15,820 | 15,574 | 15,786 | 15,504 | +2.0 |
| Petroleum and coal products | 3,265 | 3,249 | 3,197 | +0.5 | +1.6 | +0.9 | 3,299 | 3,311 | 3,256 | 3,392 | -2.7 |
| Rubber and plastics products | 6,913 | 6,855 | 6,845 | +0.8 | +0.1 | +1.2 | 6,972 | 6,823 | 6,845 | 6,849 | +1.8 |
| Apparel, printing and publishing | | | | | | | | | | | |
| and leather goods | 8,523 | 8,573 | 8,609 | -0.6 | -0.4 | -0.7 | 8,766 | 8,755 | 8,586 | 9,907 | -11.5 |
| WORK IN PROCESS | | | | | | | | | | | |
| All manufacturing industries | 147,020 | 146,609 | 147,793 | +0.3 | -0.8 | -0.3 | 147,734 | 145,249 | 148,854 | 151,705 | -2.6 |
| Durable goods industries | 116,587 | 116,056 | 117,183 | +0.5 | -1.0 | -0.5 | 117,333 | 115,081 | 118,320 | 122,063 | -3.9 |
| Stone, clay, and glass products | 1,455 | 1,453 | 1,416 | +0.1 | +2.6 | +4.0 | 1,478 | 1,484 | 1,466 | 1,366 | +8.2 |
| Primary metals | 8,145 | 8,195 | 8,294 | -0.6 | -1.2 | +1.6 | 8,250 | 8,170 | 8,337 | 8,737 | -5.6 |
| Fabricated metal products | 8,973 | 8,966 | 8,984 | +0.1 | -0.2 | +0.1 | 9,073 | 8,987 | 9,043 | 9,182 | -1.2 |
| Industrial machinery and equipment | 21,819 | 21,709 | 22,011 | +0.5 | -1.4 | -0.6 | 21,903 | 21,530 | 22,365 | 22,743 | -3.7 |
| Electronic and other | | | | | | | | | | | |
| electrical equipment | 14,045 | 14,160 | 14,430 | -0.8 | -1.9 | +1.7 | 14,173 | 14,294 | 14,782 | 14,192 | -0.1 |
| Transportation equipment | 46,890 | 46,294 | 46,610 | +1.3 | -0.7 | -2.1 | 46,837 | 45,257 | 46,672 | 50,191 | -6.7 |
| Instruments and related products | 9,887 | 9,901 | 10,004 | -0.1 | -1.0 | +0.3 | 10,171 | 9,957 | 10,163 | 10,275 | -1.0 |
| Lumber, furniture and | | | | | | | | | | | |
| miscellaneous durable goods | 5,373 | 5,378 | 5,434 | -0.1 | -1.0 | +0.4 | 5,448 | 5,402 | 5,492 | 5,377 | +1.3 |
| Nondurable goods industries | 30,433 | 30,553 | 30,610 | -0.4 | -0.2 | +0.9 | 30,401 | 30,168 | 30,534 | 29,642 | +2.6 |
| Food and kindred products | 6,175 | 6,146 | 6,114 | +0.5 | +0.5 | -0.3 | 5,640 | 5,665 | 5,637 | 5,217 | +8.1 |
| Tobacco products | 82 | 82 | 82 | 0.0 | 0.0 | -1.2 | 78 | 75 | 74 | 114 | -31.6 |
| Textile mill products | 2,476 | 2,490 | 2,511 | -0.6 | -0.8 | 0.0 | 2,490 | 2,464 | 2,527 | 2,690 | -7.4 |
| Paper and allied products | 1,665 | 1,671 | 1,641 | -0.4 | +1.8 | +0.4 | 1,673 | 1,691 | 1,667 | 1,596 | +4.8 |
| Chemicals and allied products | 9,160 | 9,292 | 9,541 | -1.4 | -2.6 | +5.2 | 9,325 | 9,397 | 9,788 | 8,869 | +5.1 |
| Petroleum and coal products | 2,598 | 2,577 | 2,573 | +0.8 | +0.2 | +0.1 | 2,613 | 2,586 | 2,664 | 2,594 | +0.7 |
| Rubber and plastics products | 2,299 | 2,316 | 2,294 | -0.7 | +1.0 | -0.6 | 2,264 | 2,260 | 2,277 | 2,174 | +4.1 |
| Apparel, printing and publishing | | | | | | | | | | | |
| and leather goods | 5,978 | 5,979 | 5,854 | 0.0 | +2.1 | -3.1 | 6,318 | 6,030 | 5,900 | 6,388 | -1.1 |
| FINISHED GOODS | | | | | | | | | | | |
| All manufacturing industries | 163,694 | 163,129 | 163,106 | +0.3 | 0.0 | +0.5 | 164,009 | 163,365 | 166,699 | 160,889 | +1.9 |
| Durable goods industries | 83,801 | 83,558 | 83,543 | +0.3 | 0.0 | +0.8 | 84,008 | 84,031 | 86,204 | 81,107 | +3.6 |
| Stone, clay, and glass products | 4,788 | 4,750 | 4,771 | +0.8 | -0.4 | +1.7 | 4,822 | 4,843 | 4,988 | 4,772 | +1.0 |
| Primary metals | 8,155 | 8,121 | 8,107 | +0.4 | +0.2 | +1.0 | 8,131 | 8,110 | 8,254 | 8,075 | +0.7 |
| Fabricated metal products | 11,490 | 11,334 | 11,619 | +1.4 | -2.5 | +0.2 | 11,543 | 11,609 | 12,050 | 11,166 | +3.4 |
| Industrial machinery and equipment | 17,959 | 18,159 | 18,323 | -1.1 | -0.9 | +1.2 | 17,776 | 17,904 | 18,808 | 18,146 | -2.0 |
| Electronic and other | | | | | | | | | | | |
| electrical equipment | 10,671 | 10,924 | 10,830 | -2.3 | +0.9 | -0.2 | 10,820 | 11,018 | 11,348 | 10,717 | +1.0 |
| Transportation equipment | 10,126 | 10,032 | 9,872 | +0.9 | +1.6 | +1.1 | 10,229 | 10,127 | 10,059 | 9,109 | +12.3 |
| Instruments and related products | 7,929 | 7,672 | 7,728 | +3.3 | -0.7 | -0.8 | 7,964 | 7,667 | 7,921 | 7,455 | +6.8 |
| Lumber, furniture and | | | | | | | | | | | |
| miscellaneous durable goods | 12,683 | 12,566 | 12,293 | +0.9 | +2.2 | +2.2 | 12,723 | 12,753 | 12,776 | 11,667 | +9.1 |
| Nondurable goods industries | 79,893 | 79,571 | 79,563 | +0.4 | 0.0 | +0.2 | 80,001 | 79,334 | 80,495 | 79,782 | +0.3 |
| Food and kindred products | 20,079 | 20,298 | 20,426 | -1.1 | -0.6 | +0.7 | 19,697 | 19,460 | 19,898 | 19,825 | -0.6 |
| Tobacco products | 509 | 531 | 564 | -4.1 | -5.9 | +0.9 | 358 | 383 | 451 | 499 | -28.3 |
| Textile mill products | 4,726 | 4,744 | 4,699 | -0.4 | +1.0 | -1.1 | 4,805 | 4,833 | 4,898 | 4,716 | +1.9 |
| Paper and allied products | 6,664 | 6,692 | 6,704 | -0.4 | -0.2 | +0.8 | 6,651 | 6,706 | 6,898 | 6,837 | -2.7 |
| Chemicals and allied products | 22,104 | 21,813 | 21,696 | +1.3 | +0.5 | +0.2 | 21,976 | 21,572 | 21,991 | 22,110 | -0.6 |
| Petroleum and coal products | 5,199 | 4,988 | 4,936 | +4.2 | +1.1 | -0.2 | 5,344 | 5,088 | 5,120 | 5,080 | +5.2 |
| Rubber and plastics products | 7,797 | 7,731 | 7,763 | +0.9 | -0.4 | +0.6 | 7,787 | 7,847 | 7,971 | 7,623 | +2.2 |
| Apparel, printing and publishing | | | | | | | | | | | |
| and leather goods | 12,815 | 12,774 | 12,775 | +0.3 | 0.0 | -0.4 | 13,383 | 13,445 | 13,268 | 13,092 | +2.2 |

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 ¹ | | | |
|---|-----------------------------|------------------------|----------|-----------|--|------------------------|----------|-----------|
| | July 1999 ^P | June 1999 ^r | May 1999 | Apr. 1999 | July 1999 ^P | June 1999 ^r | May 1999 | Apr. 1999 |
| All manufacturing industries | 1.30 | 1.30 | 1.32 | 1.33 | 2.55 | 2.57 | 2.59 | 2.63 |
| Durable goods industries | 1.45 | 1.45 | 1.47 | 1.48 | 2.99 | 3.01 | 3.03 | 3.08 |
| Stone, clay, and glass products | 1.11 | 1.10 | 1.11 | 1.10 | 0.74 | 0.74 | 0.76 | 0.77 |
| Primary metals | 1.60 | 1.61 | 1.64 | 1.66 | 2.12 | 2.09 | 2.07 | 2.10 |
| Fabricated metal products | 1.52 | 1.50 | 1.52 | 1.51 | 1.31 | 1.31 | 1.33 | 1.34 |
| Industrial machinery and equipment | 1.52 | 1.60 | 1.61 | 1.61 | 2.10 | 2.20 | 2.22 | 2.22 |
| Electronic and other electrical equipment | 1.17 | 1.20 | 1.21 | 1.20 | 1.94 | 1.93 | 1.93 | 1.93 |
| Transportation equipment | 1.50 | 1.44 | 1.47 | 1.52 | 9.02 | 8.78 | 8.65 | 8.98 |
| Instruments and related products | 1.86 | 1.82 | 1.86 | 1.89 | 3.25 | 3.23 | 3.35 | 3.37 |
| Nondurable goods industries | 1.11 | 1.11 | 1.13 | 1.14 | 0.65 | 0.65 | 0.64 | 0.63 |
| Food and kindred products | 0.91 | 0.90 | 0.92 | 0.93 | (X) | (X) | (X) | (X) |
| Tobacco products | 1.21 | 1.23 | 1.31 | 1.31 | (X) | (X) | (X) | (X) |
| Textile mill products | 1.53 | 1.57 | 1.54 | 1.54 | (NA) | (NA) | (NA) | (NA) |
| Paper and allied products | 1.18 | 1.19 | 1.20 | 1.19 | (NA) | (NA) | (NA) | (NA) |
| Chemicals and allied products | 1.37 | 1.35 | 1.40 | 1.38 | (X) | (X) | (X) | (X) |
| Petroleum and coal products | 0.76 | 0.79 | 0.82 | 0.82 | (X) | (X) | (X) | (X) |
| Rubber and plastics products | 1.27 | 1.24 | 1.25 | 1.25 | (X) | (X) | (X) | (X) |

^P Preliminary. ^r Revised. (X) Not applicable. (NA) Not available.

¹ 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 | | |
|---|------------------------|-----------------------------|---------------------|------------------------|-----------------------------|---------------------|------------------------|-----------------------------|---------------------|------------------------|-----------------------------|---------------------|
| | July ¹ 1999 | July ² 1994-1998 | July 1998-June 1999 | July ¹ 1999 | July ² 1994-1998 | July 1998-June 1999 | July ¹ 1999 | July ² 1994-1998 | July 1998-June 1999 | July ¹ 1999 | July ² 1994-1998 | July 1998-June 1999 |
| All manufacturing industries | (X) | 0.2 | 0.1 | (X) | 0.2 | 0.2 | (X) | 0.1 | 0.1 | (X) | 0.0 | 0.0 |
| Durable goods industries | 0.1 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | -0.1 | 0.1 | 0.1 | (X) | 0.1 | 0.1 |
| Stone, clay, and glass products | (X) | 0.4 | 0.4 | (X) | 1.1 | 0.5 | (X) | 0.7 | 0.4 | (X) | 0.1 | 0.2 |
| Primary metals | -0.3 | 0.1 | 0.2 | -0.1 | 0.4 | 0.9 | 0.1 | 0.2 | 0.4 | (X) | 0.1 | 0.0 |
| Fabricated metal products | (X) | 0.3 | 0.3 | (X) | 0.3 | 0.5 | (X) | 0.2 | 0.3 | (X) | 0.1 | 0.1 |
| Industrial machinery and equipment | 1.9 | 0.3 | 0.4 | 2.0 | 0.2 | 0.3 | 0.1 | 0.1 | 0.2 | (X) | 0.1 | 0.1 |
| Electronic and other electrical equipment | -0.9 | 0.6 | 0.5 | -1.2 | 0.7 | 1.2 | -0.2 | 0.4 | 0.6 | (X) | 0.1 | 0.2 |
| Transportation equipment | 0.0 | 1.0 | 0.7 | 0.1 | 1.0 | 1.1 | 0.0 | 0.1 | 0.1 | (X) | 0.2 | 0.2 |
| Instruments and related products | (X) | 0.3 | 0.6 | (X) | 1.1 | 1.3 | (X) | 0.2 | 0.3 | (X) | 0.2 | 0.1 |
| Nondurable goods industries | (X) | 0.0 | 0.1 | (X) | 0.0 | 0.1 | (X) | 0.1 | 0.2 | (X) | 0.0 | 0.1 |
| Food and kindred products | (X) | 0.3 | 0.2 | (X) | (X) | (X) | (X) | (X) | (X) | (X) | 0.1 | 0.1 |
| Tobacco products | (X) | 0.0 | 0.0 | (X) | (X) | (X) | (X) | (X) | (X) | (X) | 0.0 | 0.1 |
| Textile mill products | (X) | 0.5 | 0.4 | (X) | (NA) | (NA) | (X) | (NA) | (NA) | (X) | 0.1 | 0.1 |
| Paper and allied products | (X) | 0.2 | 0.2 | (X) | (NA) | (NA) | (X) | (NA) | (NA) | (X) | 0.1 | 0.1 |
| Chemicals and allied products | (X) | 0.3 | 0.2 | (X) | (X) | (X) | (X) | (X) | (X) | (X) | 0.1 | 0.1 |
| Petroleum and coal products | (X) | 0.1 | 0.6 | (X) | (X) | (X) | (X) | (X) | (X) | (X) | 0.2 | 0.6 |
| Rubber and plastics products | (X) | 0.2 | 0.2 | (X) | (X) | (X) | (X) | (X) | (X) | (X) | 0.1 | 0.2 |
| Capital goods industries : | | | | | | | | | | | | |
| Nondefense | 1.1 | 0.2 | 0.3 | 1.2 | 0.3 | 0.5 | 0.0 | 0.1 | 0.1 | (X) | 0.1 | 0.1 |
| Defense | 0.0 | 0.7 | 0.5 | 0.0 | 3.1 | 4.1 | 0.0 | 0.2 | 0.3 | (X) | 0.2 | 0.1 |

(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.

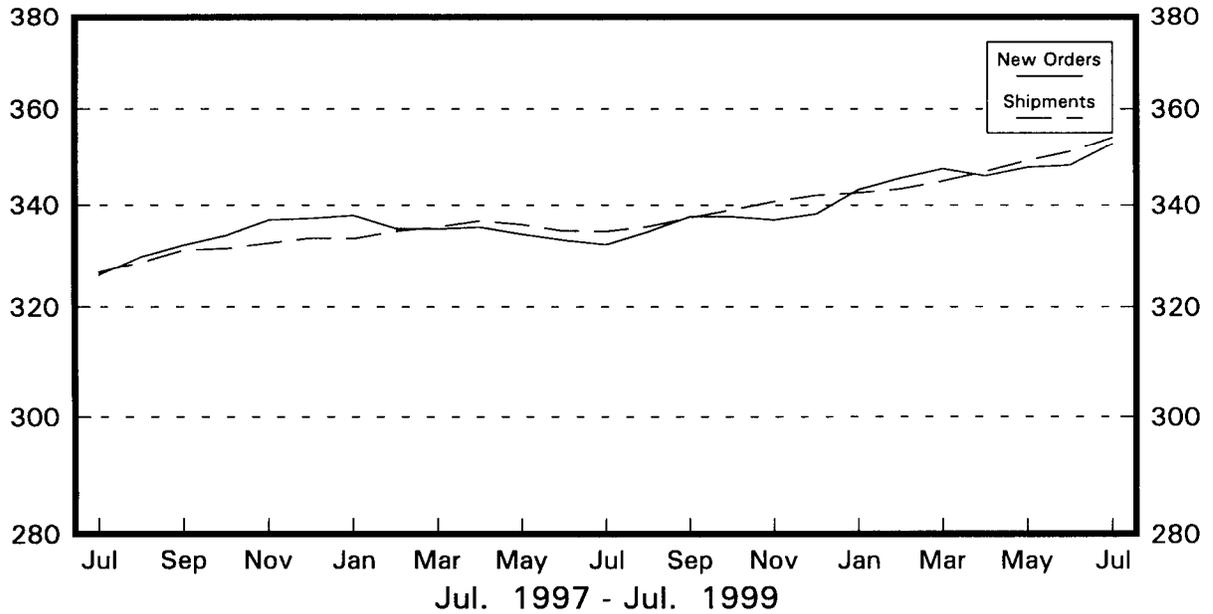
¹ The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

² Average for this month for the last five years.

Total Manufacturing

New Orders and Shipments
Three Month Moving Averages

Billions of Dollars

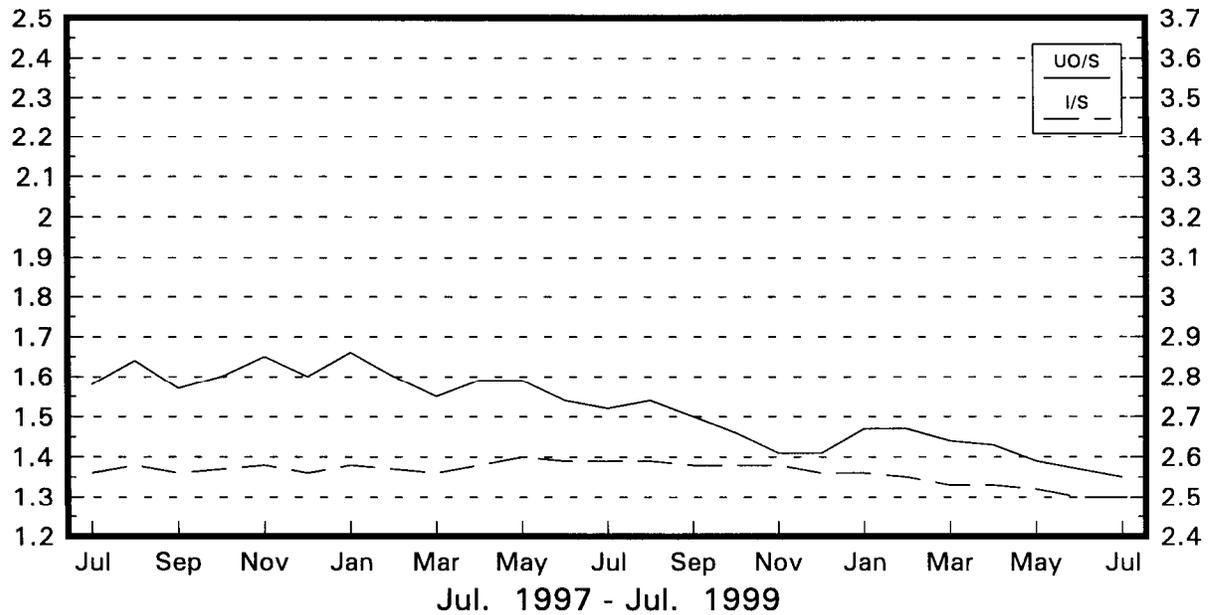


Total Manufacturing

Ratio of Unfilled Orders and
Inventories to Shipments

I/S Ratios

UO/S Ratios

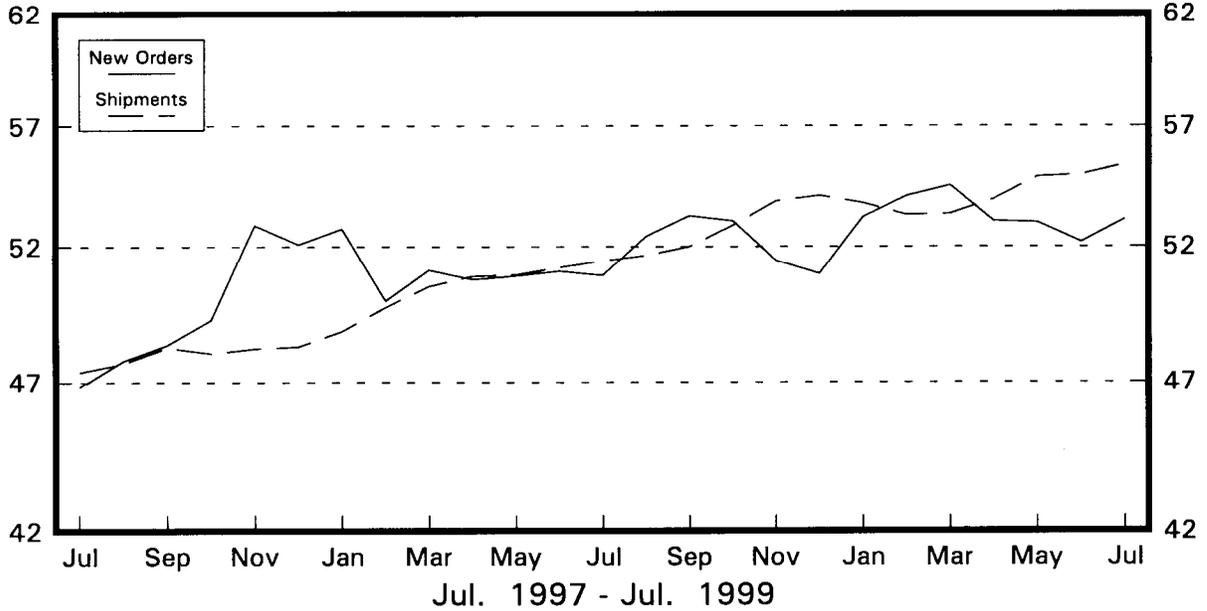


Note: All Charts based on seasonally adjusted current dollars.

Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages

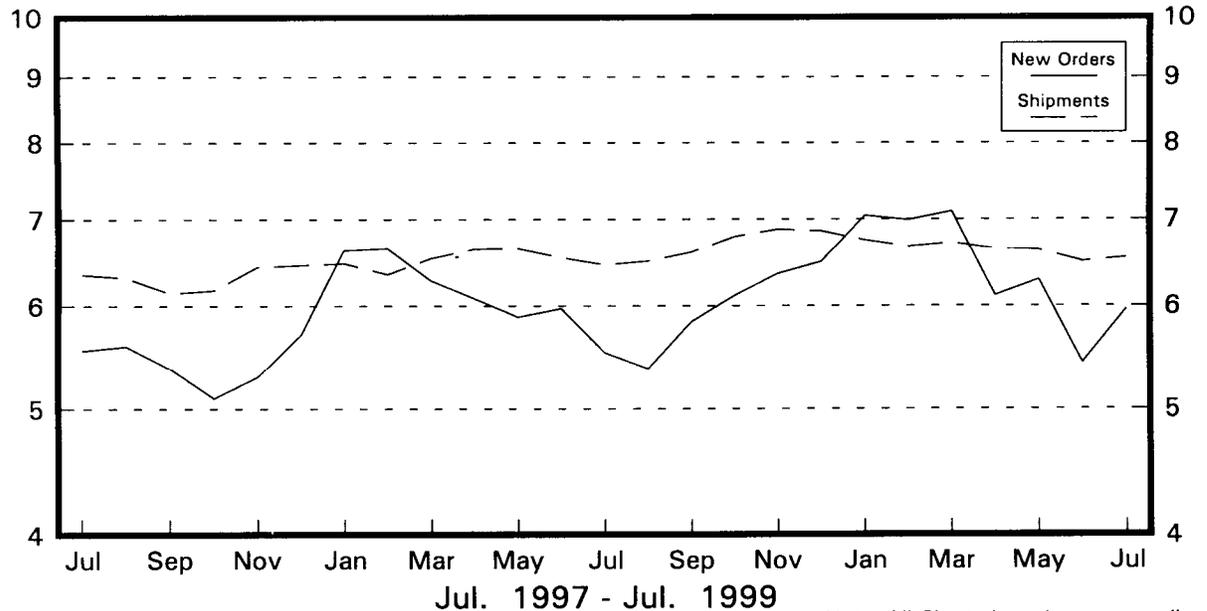
Billions of Dollars



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages

Billions of Dollars



Note: All Charts based on seasonally adjusted current dollars.