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**U.S. DEPARTMENT OF COMMERCE  
OFFICE OF BUSINESS ECONOMICS**

# **SURVEY OF CURRENT BUSINESS**

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# The Business Situation



BUSINESS activity slowed down in October because of the General Motors strike. Total employment, retail trade and industrial production were lower, and personal income rose very little. If allowance is made for the loss in jobs, income and production in the auto industry and for the decline in retail auto sales, the situation appears quite favorable. Since the strike was fully settled in the second week of the current month, November should show a pickup. Whether a resumption of the underlying upward trend in total activity will be apparent is still not clear because of walkouts in several Ford plants.

## Third quarter GNP, income and profits

The regular estimates of third quarter GNP and preliminary estimates of national income and corporate profits appear in the tables on pages 30-32.<sup>1</sup> On the basis of more complete data than were available for last month's preliminary figures, the third quarter GNP is now estimated at \$628½ billion, a rise of \$10 billion over the second quarter. Both the overall amount and the broad pattern of change in final sales were not very different from the numbers presented in October. The inventory change, however, was revised upward; the rise in inventories during the month of September was the largest since

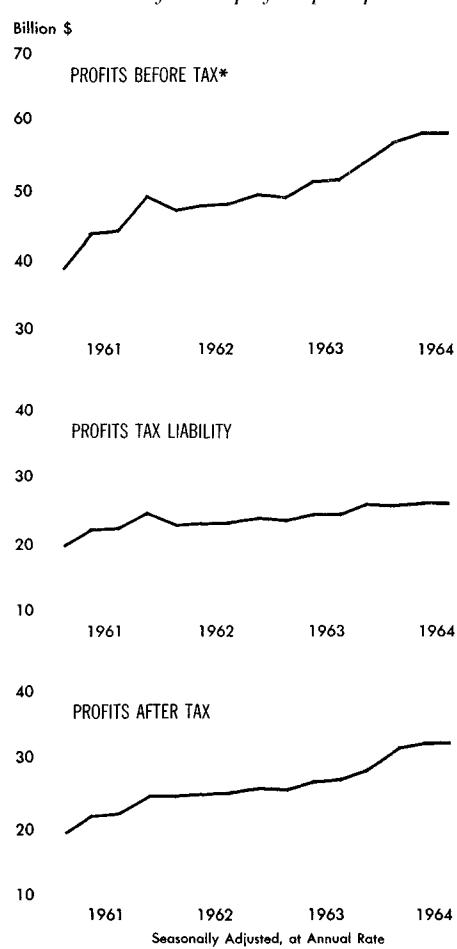
April and reflected increases in trade as well as in manufacturing stocks.

Over the quarter personal consump-

## Profits Little Changed in 3d Quarter

### OVER THE YEAR

- Before tax profits up 13 percent
- After tax profits up 20 percent



\* Excludes inventory valuation adjustment

U.S. Department of Commerce, Office of Business Economics

tion expenditures rose \$8½ billion, producers' durable equipment and non-residential construction were up almost \$1½ billion, as were State and local outlays, and net exports. Residential construction eased, Federal Government purchases were lower and the rate of inventory accumulation fell.

According to preliminary estimates corporate profits were little changed in the third quarter from the very high second quarter rate. As measured for national income purposes—before taxes and including the inventory valuation adjustment—profits exceeded \$58 billion at a seasonally adjusted annual rate. With prices continuing to show little change, the inventory valuation adjustment continued to be almost negligible and book profits also approximated \$58 billion.

The year-to-year changes are especially impressive: before taxes book profits are up \$6¾ billion, or 13 percent, while after tax earnings, which reflect the further effect of the corporate tax cut, are up \$5¼ billion, or about one-fifth.

## October personal income up, employment lower

With a substantial drop in payrolls of the automobile industry and many of its supplying plants, personal income increased only \$0.7 billion in October, to a seasonally adjusted annual rate of \$498.6 billion. Total payrolls were unchanged, however, because of moderate increases in payrolls in other private industries as a group, and a rather sharp advance in wages and salaries of State and local government

<sup>1</sup> Attention is called to the revision of second quarter 1964 Federal personal taxes and nontax receipts, which have been revised upward by \$1.2 billion on the basis of more complete information. (See tables.)

employees. Other types of income increased more than \$3/4 billion over the month.

For the most part the payroll changes were a reflection of employment changes. Employment in nonfarm establishments was down 65,000 over the month, with durable goods manufacturing off by 250,000.

The unemployment situation did not change much from September to October, according to the regular household survey. Although the survey was taken while the General Motors walkout was in progress, the figures were not especially affected by the strike, since those not working as a direct result of a work stoppage are classified as "with a job but not at work." The October unemployment rate was 5.2 percent, the same as the September figure; in general this ratio has been on a plateau since May.

#### **Retail trade reflects auto decline**

Retail store sales were strong in October, after allowance for the sharp drop in new car sales. While advance figures (seasonally adjusted) show that overall volume was off 3 percent from September, sales excluding those of auto dealers were up by a comparable percentage, after a dip in the previous month. If there was some diversion of spending from new cars to other types of goods last month it does not seem to have been very large. October retail sales, not counting the automotive group, did not appear to be unusually high gaged against the month-to-month changes since early this year.

Sales at nondurable goods outlets reached a new high in October, up about 2 percent from September, with good-sized increases in most kinds of business. Durable goods stores reported a 13-percent decline over the month. Sales of new domestic cars fell to 566,000

units, the lowest October total since 1961. This was an annual rate of 5½ million units, far below the third quarter average of 8¾ million. Partially offsetting the reduction in auto sales was an improvement in sales of furniture and appliance stores, which had changed little since early summer.

#### **Construction outlays lower**

Construction expenditures, which rose through the first three quarters of this year, now appear to be edging downward. Spending for new construction eased from September to October as a further gain in private nonresidential building outlays was more than offset by a drop in public activity and a continuation of the decline in private residential building. Total outlays for the month are estimated at a seasonally adjusted annual rate of \$65½ billion, down about 1 percent from the third quarter average.

Private nonresidential construction has been bolstered by the substantial increases in spending for industrial and commercial facilities. Outlays for industrial construction, now running at a \$3½ billion annual rate, are more than 15 percent above the first quarter 1964 average and are at their highest level since mid-1957. Commercial construction reached a new peak in October despite a further slight decline in construction of office buildings.

The downtrend in private residential construction reflects the decline in non-farm housing starts that has been underway since early this year. Private residential construction expenditures reached an annual rate of more than \$28 billion in March and have since dropped fairly steadily, to a \$25½ billion rate in October.

#### **Wholesale prices up a little**

Wholesale prices of industrial commodities rose 0.4 percent in October,

after remaining virtually unchanged for 6 months. The October rise brought the index a little above its beginning-of-year level. Advances were widespread, and a large part of the overall increase was attributable to higher metals prices. Quotations on steel reinforcing bars went up sharply in mid-month and prices of large-diameter steel pipe were raised toward month-end. Prices of tin, lead, copper, and zinc rose considerably.

#### **Consumer prices fairly steady**

The consumer price index rose 0.2 percent in September to 108.4 percent of the 1957-59 average, an increase about in line with the usual seasonal movement. After a rough allowance for seasonality, it appears that higher food and service costs were offset by declines in clothing and automobile prices.

Food costs advanced mainly because of higher prices for meats, poultry, and fish, which reached their high point of the year. Very heavy marketings of cattle dropped wholesale beef quotations during October, and it is likely that some reduction in retail prices also occurred.

Prices of commodities other than food were somewhat lower on balance in September. The introduction of fall apparel lines was not accompanied by price increases as large as those of other recent years. New car prices declined somewhat more than seasonally, as dealers made intensive efforts to reduce stocks of 1964 models, and used car prices edged down again under the pressure of mounting used car inventories. The new 1965 models, which did not affect the September index, were introduced at very slightly higher prices. It is possible that some firming in auto prices, both new and used, may have come about in October because of the strike.

# Government Programs in Fiscal 1965

IN fiscal year 1965 Federal Government purchases of goods and services—that part of Federal expenditures in the GNP—are expected to continue at the previous year's level, with offsetting changes occurring in the defense and nondefense outlays, according to the *Review of the 1965 Budget*, recently released by the Budget Bureau.

The expected stability of Federal purchases stands in contrast with a \$2½ billion rise last year, and annual increases that have averaged over \$3½ billion since fiscal 1961. Other types of Federal expenditures, primarily for transfer payments, grants to State and local governments, and interest, are expected to increase over \$2½ billion, thereby adding to purchasing power and spending in other sectors of the economy.

Table 1, based on the *Review of the 1965 Budget*, summarizes the fiscal

position of the Federal Government in terms of the administrative budget, the consolidated cash statement, and the national income and product accounts. (See note to this table for the principal differences.) Administrative budget expenditures are expected to total over \$97 billion, \$½ billion less than in fiscal 1964 and nearly \$¾ billion less than estimated in last January's budget. Receipts are estimated at \$91½ billion, over \$2 billion above fiscal year 1964 but \$1½ billion below the earlier estimate. The revision from the January estimate reflects the fact that under the Revenue Act of 1964, withholding rates were reduced one month later than had been assumed in January. In addition, certain structural tax changes assumed at that time were not incorporated in the Revenue Act.

On a consolidated cash statement basis, estimated expenditures of more than \$122 billion are expected to exceed receipts by about \$3½ billion. In terms of the national income and product accounts, expenditures in fiscal 1965 will rise about \$2¾ billion from fiscal 1964 levels to over \$121 billion, slightly less than the January estimate. Receipts, at \$118 billion, will fall short of expenditures by nearly \$3¾ billion, and will be more than \$¾ billion below the earlier estimate.

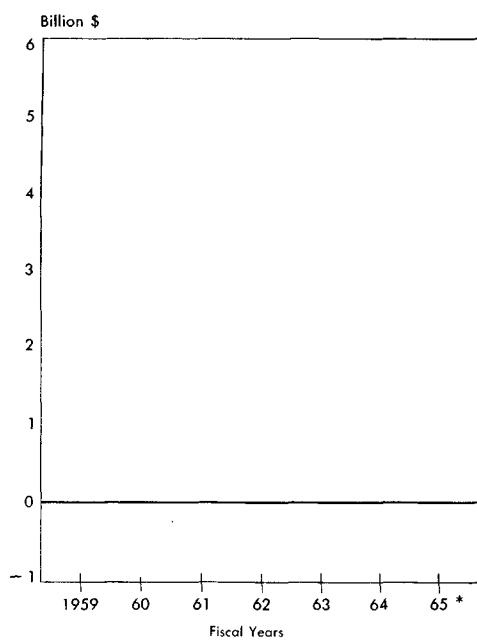
On all three bases, the estimated fiscal 1965 deficit is smaller than that in fiscal 1964. The anticipated 1964–65 decline in the Federal deficit on a national accounts basis, at about \$¾ billion, may be compared with a drop of over \$2½ billion in the administrative budget and one of close to \$1½ billion in the cash statement deficits. The smaller decrease in the national income and product deficit reflects the expected decline in expenditures for loans and other financial transactions which are excluded from the national income accounts. In addition, deliveries of military hard goods, which

lagged behind Budget expenditures in fiscal 1964, are expected to run ahead in fiscal 1965. Table 2 contains a reconciliation between the various budgets.

## Federal receipts up \$3½ billion

The \$3½ billion increase in Federal receipts on a national income basis for fiscal 1965 over the preceding year assumes a continued rise in personal income throughout the remainder of the fiscal year. Nevertheless, personal tax and nontax receipts will not contribute to the expansion of Federal revenues, because of the estimated \$9 billion tax cut. These taxes are projected to drop \$¾ billion from fiscal 1964 levels. The decline is not large because, in addition to the anticipated rise in personal income, refunds in 1965 on 1964 tax payments will be lower than usual and final settlements will be higher. This is largely because the decline in tax liability which became

### Change in Federal Purchases of Goods and Services



\* Estimated

U.S. Department of Commerce, Office of Business Economics

64-11-2

Table 1.—Federal Government Receipts and Expenditures, 1963–65

[Billions of dollars]

	Fiscal years			
	1963		1964	1965
	Actual	Jan. 1964 est- imate	Nov. 1964 est- imate	
<b>Administrative Budget:</b>				
Receipts	86.4	89.4	93.0	91.5
Expenditures	92.6	97.7	97.9	97.2
Surplus or deficit (—)	-6.3	-8.3	-4.9	-5.7
<b>Consolidated Cash Statement:</b>				
Receipts	109.7	115.4	119.7	118.8
Expenditures	113.8	120.1	122.7	122.2
Surplus or deficit (—)	-4.0	-4.7	-2.9	-3.5
<b>National Income and Product Account:</b>				
Receipts	109.6	114.7	118.8	118.0
Expenditures	112.3	118.5	121.5	121.2
Surplus or deficit (—)	-2.8	-3.9	-2.8	-3.2

NOTE.—The difference between the administrative budget and the cash budget is largely accounted for by the inclusion in the latter of trust fund transactions. The national income and product account includes trust fund transactions, but differs in definition from the cash budget in several important respects. Corporate profits taxes are recorded on an accrual rather than a cash collections basis; loan transactions are either omitted or involve differences in timing; the acquisition of financial and second-hand assets are excluded; and an adjustment for the lag between deliveries and payments for goods is incorporated.

Sources: *Review of the 1965 Budget*, and Office of Business Economics.

effective with the Revenue Act of 1964 is expected to be less than the drop in withholding tax collections under the new 14 percent withholding rate. Net

settlements in the first half of 1965 on calendar 1964 income are expected to total between \$1 billion and \$2 billion more than they customarily do.

**Table 2.—Reconciliation of Estimated Federal Receipts and Expenditures, Budget and National Income Accounts, Fiscal 1965**

RECEIPTS	[Billions of dollars]
<b>Budget receipts</b>	<b>91.5</b>
Less: Intragovernmental transactions.....	4.3
Receipts from exercise of monetary authority.....	.1
Plus: Trust fund receipts.....	31.7
<b>Equals: Federal receipts from the public (consolidated cash receipts)</b>	<b>118.8</b>
Adjustments for agency coverage:	
Less: District of Columbia revenues.....	.4
Adjustments for netting and consolidation:	
Plus: Contributions to Federal employees' retirement funds, etc.....	2.1
Less: Interest, dividends, and other earnings.....	1.2
Adjustments for timing:	
Plus: Excess of corporate tax accruals over collections; personal taxes, social insurance contributions, etc.....	-.2
Adjustments for capital transactions: <sup>1</sup>	
Less: Realization upon loans and investments, sale of government property, etc.....	1.1
<b>Equals: Receipts—national income accounts</b>	<b>118.0</b>
<b>EXPENDITURES</b>	
<b>Budget expenditures</b>	<b>97.2</b>
Less: Intragovernmental transactions.....	4.3
Accrued interest and other non-cash expenditures (net).....	.5
Plus: Trust fund expenditures.....	29.3
Government-sponsored enterprise expenditures (net).....	.3
<b>Equals: Federal payments to the public (consolidated cash expenditures)</b>	<b>121.9</b>
Adjustments for agency coverage:	
Less: District of Columbia expenditures.....	.4
Adjustments for netting and consolidation:	
Plus: Contributions to Federal employees' retirement funds, etc.....	2.1
Less: Interest received and proceeds of government sales.....	.3
Adjustments for timing:	
Plus: Excess of interest accruals over payments on savings bonds and Treasury bills.....	.6
Excess of deliveries over expenditures.....	.3
Miscellaneous <sup>2</sup> .....	.5
Less: Commodity Credit Corporation foreign currency exchanges.....	.1
Adjustments for capital transactions: <sup>1</sup>	
Less: Loans—FNMA secondary market mortgage purchases, redemption of IMF notes, etc.....	3.1
Trust and deposit fund items.....	.0
Purchase of land and existing assets.....	.3
<b>Equals: Expenditures—national income accounts</b>	<b>121.2</b>

1. Consist of transactions in financial assets and liabilities, land and seconhand assets. Acquisition of newly produced tangible assets are included in expenditures for goods and services as defined in the national income and product accounts.

2. Includes net change in Commodity Credit Corporation guaranteed non-recourse loans and increase in clearing account.

Sources: Bureau of the Budget and U.S. Department of Commerce, Office of Business Economics.

**Table 3.—Federal Government Receipts and Expenditures on National Income and Product Account Basis, Fiscal 1963-65**

	[Billions of dollars]									
	Fiscal years				1963		1964			
	1963		1964		1965 <sup>1</sup>		III	IV	I	II
	Actual		Jan. 1964 est- imate <sup>1</sup>		Nov. 1964 est- imate <sup>1</sup>		Seasonally adjusted at annual rates			
<b>Federal government receipts</b>										
Personal tax and nontax receipts.....	109.6	114.7	118.8	118.0	114.2	117.2	114.8	112.3	114.0	114.0
Corporate profits tax accruals.....	50.1	51.4	52.3	50.7	52.2	53.4	51.2	47.3	48.2	48.2
Indirect business tax and nontax accruals.....	22.1	23.5	24.9	25.7	23.0	24.4	23.9	24.4	24.4	24.4
Contributions for social insurance.....	15.2	16.0	17.3	16.8	15.7	15.9	15.9	16.4	16.6	16.6
Federal government expenditures	22.1	23.8	24.2	24.8	23.2	23.5	23.9	24.2	24.7	24.7
Purchases of goods and services.....	63.6	66.1	69.1	66.2	64.4	64.9	64.3	67.1	65.5	65.5
National defense.....	53.9	56.2	58.5	55.8	55.5	55.3	54.0	57.0	55.2	55.2
Transfer payments.....	29.2	30.4	31.8	31.6	29.6	30.3	31.1	30.7	30.8	30.8
To persons.....	27.6	28.8	30.1	30.0	28.0	28.6	29.5	29.1	29.1	29.1
Foreign (net).....	1.6	1.6	1.7	1.6	1.6	1.7	1.5	1.6	1.7	1.7
Grants-in-aid to State and local governments.....	8.3	9.8	9.7	11.0	9.4	9.9	9.8	10.4	10.6	10.6
Net interest paid.....	7.4	8.1	8.5	8.6	7.8	7.9	8.3	8.4	8.4	8.4
Subsidies less current surplus of government enterprises.....	3.8	4.1	2.5	3.8	3.7	3.5	3.7	3.6	3.9	3.9
Surplus or deficit (-) on income and product account.....	-2.8	-3.9	-2.8	-3.2	-7.7	.6	-2.4	-7.8	-5.2	-5.2

1. Estimate from *Review of the 1965 Budget*. \* Revised. \* Preliminary.

Sources: Bureau of the Budget, Treasury Department, and Department of Commerce.

Corporate profits tax accruals for fiscal 1965 are expected to rise over \$2 billion above fiscal 1964 levels despite a reduction in the top corporate rate 52 percent to 50 percent in calendar 1964 and from 50 percent to 48 percent in calendar 1965. There will be no further change in the current 22 percent rate on the first \$25,000 of taxable income. The mid-year budget estimates assume that calendar 1964 corporate profits before taxes will be \$58 billion, \$2 billion above the level assumed in the January budget and more than \$6.5 billion greater than profits in calendar 1963.

The anticipated rise in economic activity should boost indirect business tax accruals by over \$4 billion in fiscal 1965, \$2 billion below the earlier forecast. Returns from excise taxes on automobiles and liquor, as well as customs duties, account for a major part of the increase over fiscal 1964. No reduction or elimination of current excise taxes is implied in the projection of fiscal 1965 receipts.

Social insurance contributions are expected to rise \$1.0 billion from fiscal 1964 due chiefly to rising levels of income. The last statutory increase in the tax rate for OASI contributions was in January 1963; the next is scheduled for January 1966.

#### Defense purchases decline

Defense purchases are estimated to edge below \$56 billion, off less than \$1 billion from fiscal 1964. This is counterbalanced in the total of Federal purchases by a rise in the nondefense outlays to a total of about \$11½ billion.

The lower defense outlays can be attributed to the estimated reduction of nearly \$1½ billion in expenditures for military functions of the Department of Defense and for military assistance. The drop reflects the effect of Congressional reductions in appropriations and the impact of the Department's cost reduction program. Most of the reduction is in procurement expenditures, where the strengthening of current strategic retaliatory forces—Polaris missiles, for example—is nearing desired levels. Some decline is also expected in research, development, test

(Continued on page 30)

# Changes in Consumer Spending and Saving

CONTINUING to reflect the stimulus of the tax cut, consumer demand expanded rapidly during the summer quarter, increasing \$8½ billion or more than 2 percent from the second quarter rate. This gain exceeded the \$5½

billion rise in disposable (after-tax) income in the quarter, and personal saving fell \$3 billion. Thus, the saving rate fell after its sharp rise the quarter before.

Auto buying, after hesitating toward the end of the second quarter, was up \$1½ billion in the summer and accounted for one-fifth of the entire third quarter rise in consumer expenditures. Domestic car sales were at a record 8½ million seasonally adjusted annual rate. Sales of a wide variety of nondurable goods, especially food and clothing, continued to increase vigorously. On the other hand, sales of durables other than autos were little changed after three successive rapid quarterly gains. Consumer services continued to advance at a slightly faster pace, with the rise exceeding \$2½ billion or 1 percent per quarter.

## **Tax cut reflected in stepped up demand**

Since the closing quarter of 1963—the quarter preceding the tax cut—disposable income has risen \$24½ billion, or 6 percent. About two-thirds of the recent increase is traceable directly to the continued strong advance in personal income and about one-third to the tax cut. During this period, consumption expenditures have risen \$23½ billion, or more than 6 percent. Only once before—during the period of scarce buying early in the Korean War—was there a larger three-quarter gain.

The vigorous advance of consumer demand over the last 9 months has been strong enough to absorb most of the large increase in disposable income. At \$31 billion in the third quarter, personal saving was up only \$1½ billion over this period. The saving rate, after approaching 8 percent in the spring, fell back to about 7 percent in the summer. The latter was about equal to the rate in the fourth quarter

of 1963 and was only slightly different from the post-Korean average of 7.2 percent.

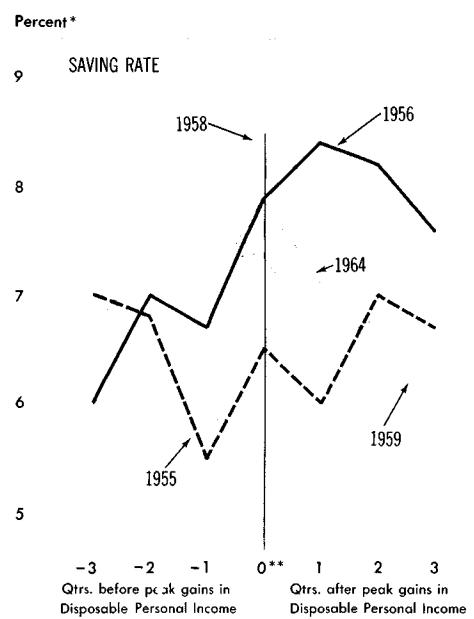
## **Recent Saving Rate Swing is Typical**

The large rise in the saving rate in the second quarter and the subsequent decline in the latest quarter are broadly typical of the saving rate swings that have occurred in other postwar periods when there has been an exceptionally large gain in DPI in one quarter and a more moderate advance in the next.

Usually quarterly changes in disposable income and the associated changes in the saving rate are comparatively

## **Response of Personal Saving Rate to Spurts in Disposable Personal Income**

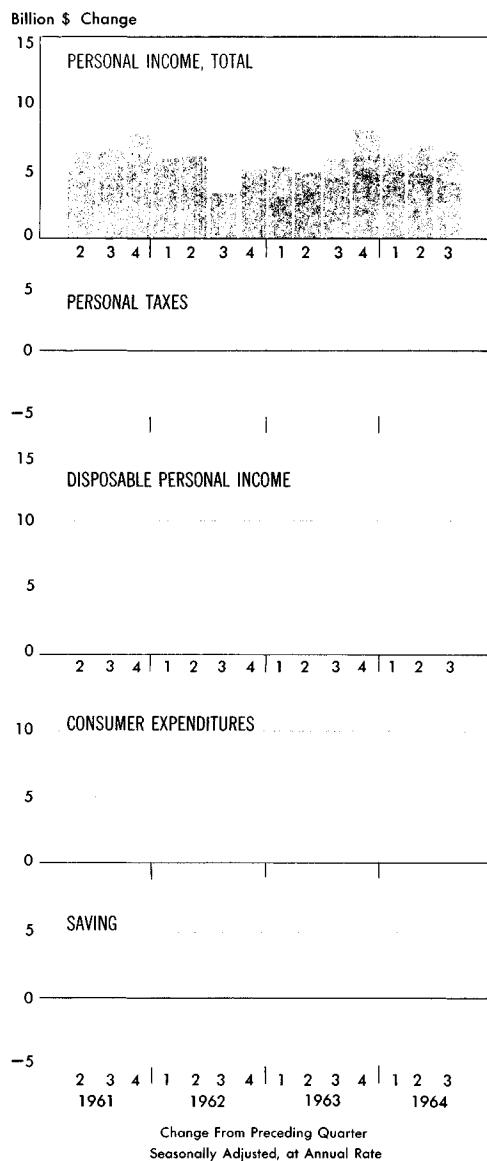
*Saving rate jumps initially and then usually falls back*



\*Saving as a percent of Disposable Personal Income

\*\*Peak gains in Disposable Personal Income are defined as those in which DPI increased by 2 1/4 percent or more

## **Recent Changes in Personal Income And Its Disposition**



small. During the postwar period most quarterly changes in income have varied in a rather narrow range—from slightly less than  $\frac{1}{2}$  percent to approximately 2 percent. The changes in the saving rate in these quarters have fallen mostly in the range between  $\frac{3}{4}$  and minus  $1\frac{1}{2}$  percentage points. For all of these particular quarters taken together, changes in the saving rate have averaged close to zero.

"Large" quarterly increases in DPI have been comparatively rare in the postwar. If the entire Korean experience is disregarded, there have been only nine quarters when disposable income has increased by more than  $2\frac{1}{4}$  percent. In all but one of these nine quarters the saving rate has increased by more than a full percentage point. In the second quarter of this year a  $2\frac{1}{2}$  percent rise in DPI was accom-

panied by an increase in the saving rate of 1 percentage point. The chart on page 5 shows the personal saving rate for the five post-Korean War quarters in which disposable income has increased by more than  $2\frac{1}{4}$  percent. The following text table gives similar data for these five quarters and for the four quarters between the close of the Second World War and the opening of the Korean War, in which there were large income gains.

To round out the picture—it is interesting to note that in each of the seven postwar quarters when disposable income declined, the saving rate also fell. Thus, changes in the saving rate in the short run serve to absorb much of the large increases and some of the decreases in spendable income; conversely, the income changes are reflected more gradually in personal consumption.

#### Saving Rate and Large Increases in Disposable Personal Income

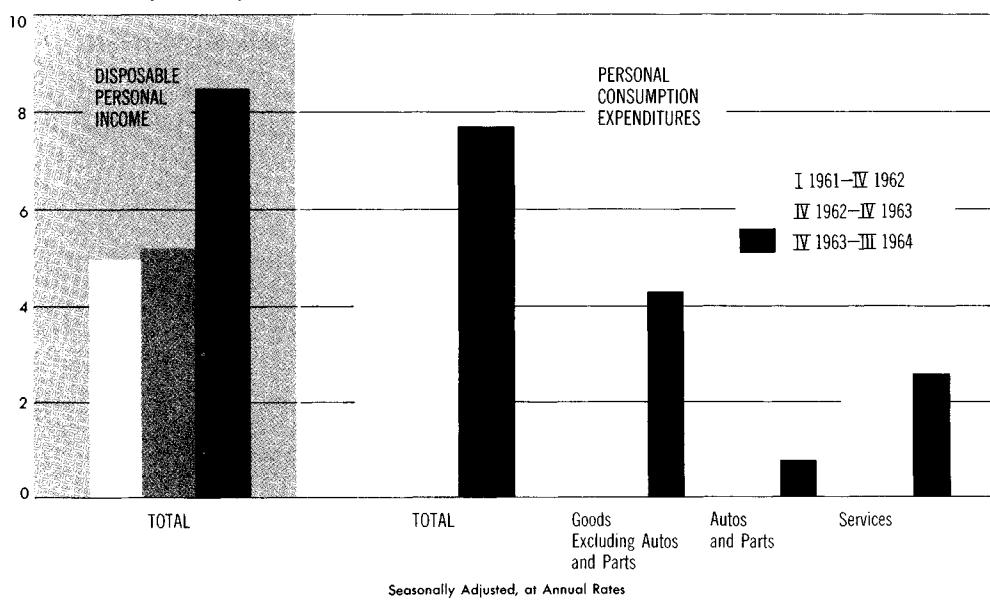
[Change from preceding quarter]

Year and quarter	Quarter of large increase		Subsequent quarter
	Disposable personal income (percent)	Saving rate (percentage points)	
1947 III.....	4.6	2.5	-.4
1948 II.....	5.2	3.3	1.4
1948 III.....	3.1	1.4	-.6
1950 I.....	6.1	4.8	-1.7
1955 II.....	3.1	1.0	-.5
1956 II.....	2.3	1.2	.5
1958 III.....	2.4	1.1	-.7
1959 II.....	2.5	.1	-.9
1964 II.....	2.6	.9	-.8
Average.....	3.5	1.8	-.4

NOTE.—Includes all quarters 1947-64 (excluding the Korean War) in which disposable personal income increased by  $2\frac{1}{4}$  percent or more.

#### Consumer Demand Sharply Higher This Year

Billion Dollar Change (Average Per Quarter)



U.S. Department of Commerce, Office of Business Economics

64-11-5

The third quarter 1964 decline in the saving rate of 0.8 percentage points was also approximately in line with postwar experience. (See table and chart.) In seven of the nine quarters following the initial large jumps in income and saving, the saving rate fell back. In many of these quarters, the drop in the ratio reflected a sharp rise in consumer buying of durable goods. Thus, in a typical sequence, a large gain in disposable income seems to be reflected initially in a large gain in the saving rate and, in the following quarter, in a jump in spending on durable goods. However no regularity of behavior has been observed in the saving rate beyond the first quarter following the large increases in income.

In the third quarter of 1948—one of the two atypical quarters in which the saving rate did not fall back—income rose by a large amount for the second successive time. In the other exceptional case—third quarter of 1956—consumer spending on durables was falling back from the abnormally high levels of late 1955-early 1956.

# Recent Financial Developments

INVESTMENT, saving, and borrowing have shown little change in the aggregate over the first nine months of this year despite wide swings in components. Among the various investment categories, business fixed asset spending moved up sharply, while inventory investment and residential construction declined. A \$10 billion rise in total private saving was matched by a shift of similar amount from a Government surplus to a deficit on national income and product account.

So far this year, this pattern of stability in aggregate measures and wide swings in components has been evident also in financial flows. As compared with the final quarter of 1963, there were increases in corporate security issues, consumer credit, one-to four-family residential mortgages, and Federal Government borrowing, but reductions in bank lending to business, multifamily residential and commercial mortgages, and State and local security issues.

There was little movement in interest rates over this period: at the end of September both short- and long-term interest rates were little changed from the levels reached at the beginning of the year.

## Monetary policy easy

During the first three quarters of 1964, the Federal Reserve continued its stimulative credit policy. It supplied reserves to the banking system by purchasing Treasury securities in quantities adequate to permit a near-record growth in bank credit, without increases in bank borrowing from the Federal Reserve.

The ready availability of reserves encouraged banks to continue to extend credit at a near-record pace (see chart). Loans rose sharply during the second quarter, but as demand eased during the summer quarter, banks rebuilt their holdings of U.S. Government

securities and resumed purchasing tax-exempt securities on a substantial scale.

With a higher portion of credit expansion taking the form of demand deposits this year than in other recent years, a larger volume of Federal Reserve open market purchases was required to maintain an adequate level of bank reserves.

## Corporations step up investment

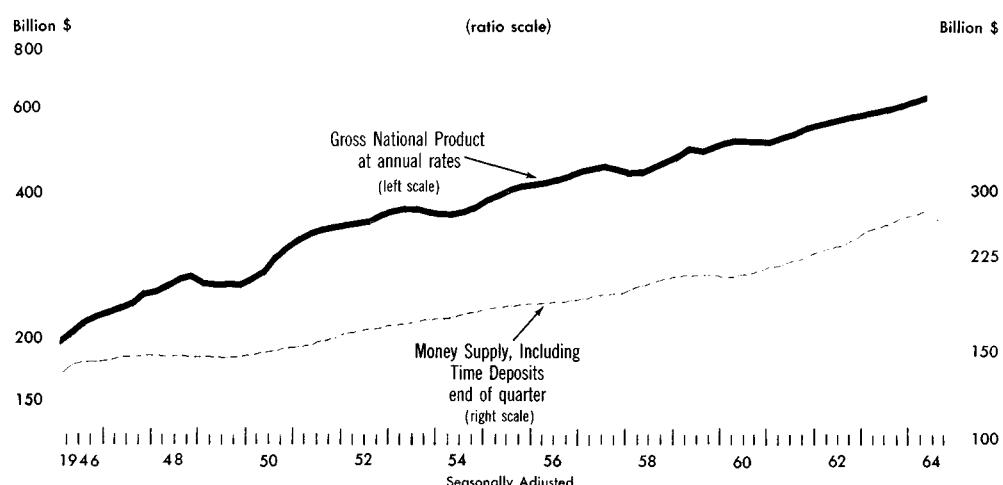
Nonfinancial corporations stepped up their fixed investment by an average

of \$1 billion per quarter during the first nine months of the current year at seasonally adjusted annual rates. This was the fastest rate of increase since the 1956-57 investment boom. The pace of corporate spending quickened in all major industries, but was particularly sharp in manufacturing. Public utility investment spurred, with the rate approaching the previous record set in 1957.

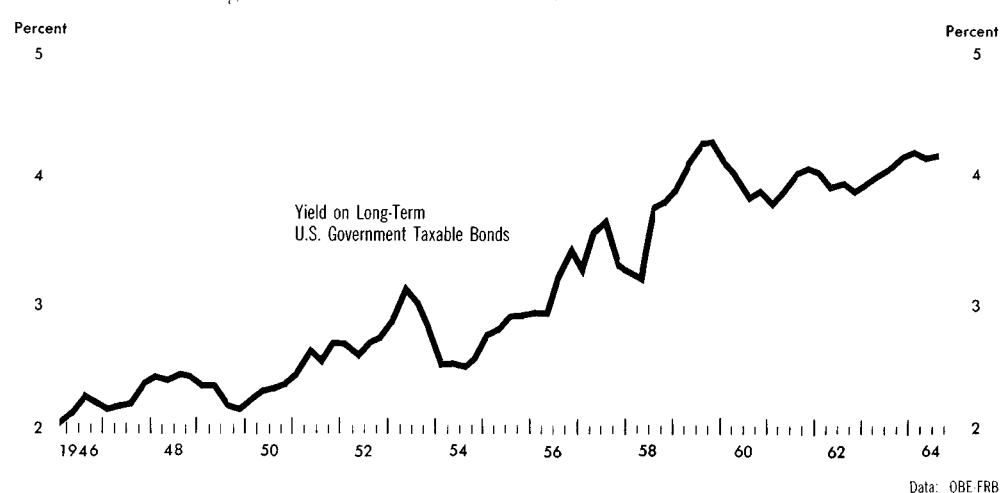
The increase in fixed investment was almost exactly matched by a wide-

## Output, Money, and Interest Rates

*Since 1960 the money supply has accelerated relative to output...*



*and the rise in long-term interest rates has moderated*



U.S. Department of Commerce, Office of Business Economics

Data: OBE-FRB  
64-11.6

spread decline in the pace of corporate inventory buying. Total corporate purchases of physical assets were thus approximately unchanged over the period under review.

Since the start of the year, the rate of increase in total corporate internal funds was the sharpest recorded during the postwar era except for the initial quarters of recovery from cyclical lows. The cut in corporate taxes was a major factor in this rapid increase but continued growth in business activity also contributed to the advance.

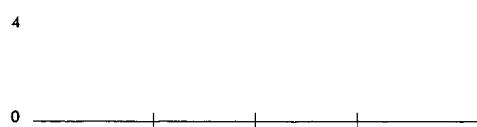
With internal funds expanding and little change in total investment outlays, corporations continued to add substantial

### Bank Credit Easy

*With substantial credit available . . .*

Billion Dollar Change

#### 8 TOTAL LOANS AND INVESTMENTS



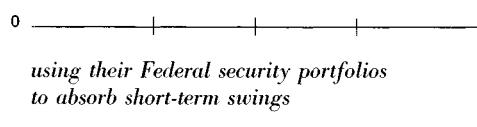
*bank lending has been high . . .*

#### 8 TOTAL LOANS



*and banks have added to tax-exempt holdings . . .*

#### 4 STATE AND LOCAL SECURITIES



*using their Federal security portfolios to absorb short-term swings*

#### 4 U.S. GOVERNMENT SECURITIES



Table 1.—Sources and Uses of Corporate Funds, Annual, 1960–63; Half Years, 1960–64<sup>1,2</sup>  
[Billions of dollars]

	Year				First half <sup>3</sup>					Second half <sup>3</sup>			
	1960	1961	1962	1963	1960	1961	1962	1963	1964	1960	1961	1962	1963
<b>Sources, total</b>	<b>46.2</b>	<b>52.3</b>	<b>59.2</b>	<b>62.5</b>	<b>23.3</b>	<b>20.3</b>	<b>27.1</b>	<b>29.3</b>	<b>28.3</b>	<b>22.9</b>	<b>32.0</b>	<b>32.1</b>	<b>33.3</b>
Internal sources, total	29.1	29.7	35.2	36.8	15.1	14.3	17.6	18.3	20.4	14.0	15.5	17.6	18.7
Retained profits <sup>4</sup>	6.2	5.6	7.7	8.0	3.8	2.4	4.0	4.0	5.4	2.4	3.2	3.7	4.0
Depreciation	22.9	24.1	27.5	28.8	11.3	11.8	13.5	14.2	15.0	11.5	12.3	13.9	14.6
External long-term sources, total	9.8	11.8	11.3	10.9	4.6	6.5	5.9	5.2	5.2	5.3	5.4	5.7	5.7
Stocks	3.0	4.5	2.1	.6	1.6	2.8	1.4	.5	2.1	1.4	1.7	.6	.1
Bonds	5.0	5.1	5.0	5.2	2.0	2.7	2.7	2.5	2.9	3.1	2.4	2.3	2.8
Other debt	1.7	2.2	4.2	5.0	1.0	.9	1.7	2.2	2.1	.8	1.3	2.5	2.8
Short-term sources, total	7.4	10.8	12.7	14.8	3.6	—.5	3.7	5.8	.8	3.7	11.3	9.1	9.0
Bank loans	1.3	.4	3.0	4.3	1.3	—.4	.6	(.1)	—1.7	(.5)	.7	2.4	4.3
Trade payables	4.5	7.4	5.6	6.8	2.2	.7	1.3	4.6	1.7	2.2	6.7	4.3	2.2
Federal income tax liabilities	—1.6	.7	.9	1.2	—2.4	—2.1	—.5	—.8	—1.0	.8	2.8	1.4	2.0
Other	3.2	2.3	3.2	2.5	1.3	2.2	2.0	1.9	.7	1.1	1.0	.4	.4
<b>Uses, total</b>	<b>43.8</b>	<b>48.8</b>	<b>54.4</b>	<b>58.4</b>	<b>21.7</b>	<b>19.8</b>	<b>25.3</b>	<b>26.2</b>	<b>26.9</b>	<b>22.1</b>	<b>28.9</b>	<b>29.0</b>	<b>32.2</b>
Increase in physical assets, total	33.3	30.9	36.4	37.5	18.7	14.5	19.0	18.4	20.7	14.5	16.4	17.4	19.2
Plant and equipment	30.8	29.6	32.0	33.8	14.6	13.9	15.1	15.4	18.0	16.1	15.7	16.9	18.4
Inventories (book value)	2.5	1.3	4.4	3.7	4.1	.6	4.0	2.9	2.7	—1.6	.7	.5	.8
Increase in financial assets, total	10.5	17.8	18.0	20.8	2.9	5.3	6.3	7.8	6.2	7.6	12.5	11.6	13.0
Receivables	8.6	9.9	11.3	12.9	4.1	2.9	5.4	6.3	4.5	7.0	5.7	6.6	6.6
Consumer	1.8	.1	2.2	2.4	.1	—2.0	—.3	—.4	—.1	1.7	2.1	2.5	2.8
Other	6.9	9.8	9.1	10.5	4.1	4.8	5.7	6.7	5.3	2.8	5.0	3.4	3.8
Cash and U.S. Government securities	—1.7	3.6	2.0	2.0	—3.6	.1	—2.6	—2.5	—2.4	1.9	3.6	4.7	4.5
Cash (including deposits)	1.0	3.8	1.8	1.7	—2.0	.2	—2.4	—2.6	—2.0	3.0	3.7	4.2	4.2
U.S. Government securities	—2.6	—.2	.3	.4	—1.6	—.1	—.3	.1	—.4	—1.0	—1.1	.5	.3
Other assets	3.5	4.3	4.7	5.9	2.4	2.4	3.5	4.0	3.3	1.1	2.0	1.1	1.9
<b>Discrepancy (uses less sources)</b>	<b>—2.4</b>	<b>—3.5</b>	<b>—4.9</b>	<b>—4.1</b>	<b>—1.6</b>	<b>—.5</b>	<b>—1.8</b>	<b>—3.1</b>	<b>—1.4</b>	<b>—.8</b>	<b>—3.1</b>	<b>—3.1</b>	<b>—1.1</b>

1. Data for 1946–55 may be found in table V-10 of *U.S. Income and Output*, and 1956–59 estimates are in table 34 of July 1962 *Survey*. 2. Excludes banks and insurance companies.

3. Since the data are not adjusted for seasonal variation the first halves of successive years are shown together to facilitate analysis, as are the second halves. 4. Includes depletion. 5. Less than \$50 million.

Sources: U.S. Department of Commerce, Office of Business Economics, based on Securities and Exchange Commission and other financial data.

amounts to their liquid assets, as they have throughout the present expansion.

Despite the improvement in corporate liquidity, there was a stepup in long-term external financing. In part this heightened use of external funds reflected the fact that certain industries which normally rely substantially on external funds—e.g., utilities, and real estate firms—expanded their investment outlays.

### Corporations more liquid during current advance

Corporations have been more liquid than they have been in prior periods of economic expansion. Many factors have contributed to this difference. Most striking, perhaps, has been the continued rise in internal funds throughout the current expansion. During previous expansions, there was a distinct tendency for profits—and therefore internal funds—to level off and then decline as the economic advance matured. This time, profits have tended to rise throughout the business expansion. A number of Federal actions affecting taxes during recent years have also tended to raise internal

funds: during 1962, depreciation rules were liberalized and the investment credit instituted; while this year there was a cut in corporate income tax rate.

A lower rate of inventory accumulation also contributed to greater liquidity this time; the increase in inventories has not been enough to keep inventory-sales ratios from falling, in contrast to the rapid buildups which occurred during prior advances. The rise in plant and equipment spending this time has also been somewhat smaller than in earlier business expansions. In the current expansion the better profits position relative to investment requirements has been reflected both in the reduced importance of external long-term financing and in the buildup of corporate liquid assets. In earlier periods, firms stepped up their external long-term financing as the expansion wore on and drew upon previously accumulated liquid assets to finance some of their expanded investment outlays.

### Consumer borrowing continues rise

Neither the marked rise in personal saving during the second quarter nor

the return to a more normal saving rate in the third seemed to have any significant effect on consumer borrowing, which continued to rise throughout the period under review. In large part this reflects the fact that much consumer borrowing is associated with the purchase of autos and other big-ticket items, which have moved up this year.

A large part of the increase in borrowing was to finance larger sales of residential housing. Although housing starts declined, purchases of new and existing houses continued to rise, as did extensions of one- to four-family mortgage debt. With only a moderate increase in the volume of debt repayments, record amounts have been added to consumer and mortgage debt this year.

On the whole, individuals continued to add substantially to their holdings of liquid assets during the past three quarters. There was some shift away from time deposits and savings and loan shares toward currency and demand deposits.

There was much evidence of renewed participation by individuals in the stock market: several major stock issues had substantial participation on the part of small investors and there has been a marked increase in mutual fund and odd-lot purchases. Together with heightened institutional activity, this expansion of individual interest has helped to increase stock prices throughout the year. By September, the Standard and Poor index of industrial stock prices stood 13 percent above the level at the opening of 1964.

#### Government finances

The Federal Government cut taxes quite sharply early this year. As a first result of this stimulative move, the Government's income and product surplus of \$½ billion in the final quarter of 1963 was reduced to a deficit of \$2½ billion in the first quarter of 1964, and fell further to a deficit of about \$8 billion in the second. Rising business activity and a small decline in expenditures brought the deficit to about \$5 billion in the third quarter.

Federal borrowing moved up over this period. However, the rise was much less than would have been needed

to finance the swing in the deficit, had this deficit been fully reflected in the cash position of the Government. The need for borrowing was minimized by the fact that corporation tax payments

were higher than accruals, both because of a speedup in tax payment schedules, and because a substantial volume of taxes were being collected on income taxed at the higher 1963 rates.

Table 2.—Sources and Uses of Corporate Funds by Industry, 1957-64  
(Billions of dollars)

	Calendar years							Years ended June 30						
	1957	1958	1959	1960	1961	1962	1963	1958	1959	1960	1961	1962	1963	1964
<b>Manufacturing and Mining:</b>														
Sources, total.....	18.6	17.0	25.4	19.6	23.8	25.8	28.5	14.9	26.0	21.8	18.6	26.7	27.2	28.5
Retained profits <sup>1</sup> .....	7.1	4.4	7.5	5.7	5.1	6.1	6.8	4.4	7.2	6.7	4.5	6.1	6.2	8.0
Depreciation.....	9.6	10.2	10.6	11.1	11.7	13.5	14.1	9.9	10.5	10.9	11.3	12.6	13.8	14.4
External long-term sources <sup>2</sup> .....	4.1	2.9	1.4	1.6	2.6	2.4	2.6	3.1	2.3	1.3	2.5	2.1	2.9	1.8
Stocks.....	1.4	(3)	.5	.4	-2	-6	-1.0	.4	4	.3	4	-8	-6	-1.0
Bonds.....	1.8	2.2	.3	.5	2.0	1.5	1.8	1.9	1.4	.2	1.4	1.8	1.6	1.3
Short-term sources <sup>4</sup> .....	-2.3	-4	5.8	1.2	4.5	3.8	5.1	-2.5	6.0	2.9	.3	5.9	4.3	4.3
Uses, total.....	17.4	14.0	22.5	16.3	22.2	22.9	25.7	11.6	24.8	18.3	16.5	23.8	24.5	25.4
Plant and equipment.....	17.0	12.2	12.9	15.3	14.5	15.5	16.5	15.0	11.9	14.3	14.9	14.9	15.9	17.7
Inventories (book value).....	.8	-2.3	4.4	1.0	1.3	2.6	2.2	-2.7	3.1	3.4	-8	3.2	2.1	1.6
Receivables and misc. assets.....	.1	2.6	3.9	2.3	5.1	3.1	4.8	(3)	5.2	2.7	2.6	4.8	5.1	4.2
Cash and U.S. Government securities.....	-.6	1.4	1.3	-2.3	1.3	1.7	2.2	-7	4.6	-2.1	-.2	.9	1.4	1.9
Discrepancy (uses less sources).....	-1.2	-3.0	-2.9	-3.3	-1.6	-2.9	-2.8	-3.3	-1.2	-3.5	-2.1	-2.9	-2.7	-3.1
<b>Public Utilities and Communications:</b>														
Sources, total.....	8.2	8.3	8.7	8.3	8.5	9.1	7.9	8.3	8.2	8.6	8.8	8.5	8.4	9.6
Retained profits <sup>1</sup> .....	.2	.2	.5	.7	.5	.8	.8	(3)	.4	.6	.6	.6	.8	.9
Depreciation.....	2.8	3.1	3.3	3.6	3.8	4.2	4.5	2.9	3.2	3.5	3.7	4.0	4.3	4.6
External long-term sources <sup>2</sup> .....	4.9	4.7	3.8	5.5	3.8	3.4	1.9	5.2	3.7	3.5	4.3	3.4	2.3	3.8
Stocks.....	1.0	2.1	1.5	1.0	2.2	.9	.7	1.5	1.8	1.1	2.1	1.0	.8	2.1
Bonds.....	3.8	2.6	2.2	2.6	1.8	2.5	1.3	3.7	1.9	2.3	2.5	2.4	1.7	1.8
Short-term sources <sup>4</sup> .....	.3	.3	1.1	.6	.4	.7	.7	.1	1.0	1.1	.2	.4	1.0	.2
Uses, total.....	9.3	9.4	9.0	9.4	9.4	10.1	9.3	9.8	9.1	9.0	10.1	9.1	9.8	11.0
Plant and equipment.....	9.2	8.7	8.3	8.8	8.7	9.1	9.4	9.1	8.6	8.5	8.7	8.9	9.1	10.0
Inventories (book value).....	(3)	-.1	.1	(3)	(3)	(3)	(3)	-.1	(3)	.1	(3)	(3)	(3)	.1
Receivables and misc. assets.....	.4	.5	.5	.7	.2	.5	.2	.3	.5	.4	.4	.3	.4	.6
Cash and U.S. Government securities.....	-.3	.3	.1	-.1	.6	.6	-.4	.4	.1	(3)	1.0	-.1	.2	.3
Discrepancy (uses less sources).....	1.0	1.2	.3	1.1	.9	1.1	1.4	1.5	.9	.4	1.3	.7	1.4	1.4
<b>Railroads:</b>														
Sources, total.....	.7	.4	.7	.4	.5	.7	1.0	.2	.8	.6	.3	.6	.9	.7
Retained profits <sup>1</sup> .....	-.1	-.1	-.1	-.2	-.2	-.2	-.2	-.2	-.1	-.2	-.3	-.2	-.2	-.2
Depreciation.....	.9	.9	.9	.8	.8	1.0	1.0	.9	.9	.9	.8	.9	1.0	1.0
External long-term sources <sup>2</sup> .....	(3)	-.2	-.2	-.1	-.2	-.2	(3)	-.2	-.2	-.1	-.2	-.2	(3)	(3)
Stocks.....	(3)	-.1	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Bonds.....	(3)	(3)	-.2	-.1	-.2	-.1	(3)	(3)	-.1	-.1	-.2	-.2	(3)	(3)
Short-term sources <sup>4</sup> .....	-.1	-.2	.1	(3)	.2	(3)	.1	-.3	.2	(3)	.1	.1	(3)	(3)
Uses, total.....	1.0	.7	1.0	.8	.8	.9	1.4	.5	1.3	1.0	.6	.9	1.1	1.5
Plant and equipment.....	1.4	.8	1.0	1.0	.7	.8	1.1	1.2	.7	1.0	.8	.8	.9	1.3
Inventories (book value).....	(3)	-.1	(3)	(3)	(3)	(3)	(3)	-.1	(3)	(3)	(3)	(3)	(3)	(3)
Receivables and misc. assets.....	-.1	(3)	(3)	(3)	.1	(3)	(3)	-.1	(3)	(3)	(3)	(3)	(3)	..1
Cash and U.S. Government securities.....	-.3	(3)	(3)	-.2	.1	.1	.3	-.5	.5	-.1	-.3	.2	.2	.1
Discrepancy (uses less sources).....	.4	.3	.3	.4	.4	.2	.5	.3	.5	.3	.3	.2	.2	.8
<b>Transportation other than rail:</b>														
Sources, total.....	1.5	1.6	2.5	1.7	1.9	1.9	2.5	1.7	2.1	2.3	1.7	1.9	2.2	2.1
Retained profits <sup>1</sup> .....	(3)	(3)	(3)	-.1	-.1	(3)	.1	(3)	(3)	-.1	-.1	(3)	(3)	.1
Depreciation.....	1.1	1.2	1.3	1.4	1.5	1.7	1.8	1.1	1.2	1.4	1.4	1.6	1.7	1.8
External long-term sources <sup>2</sup> .....	.3	.5	.5	.3	.3	.1	.3	.5	.4	.4	.4	.1	.2	.3
Stocks.....	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Bonds.....	(3)	.4	.5	.3	.3	.1	.3	.4	.4	.4	.4	.1	.2	.3
Short-term sources <sup>4</sup> .....	(3)	(3)	.7	.1	.2	.1	.4	-.1	.3	.6	(3)	.3	.3	-.1
Uses, total.....	1.6	1.3	2.3	2.0	2.0	1.9	1.8	1.3	2.0	2.2	2.0	1.9	2.0	1.9
Plant and equipment.....	1.5	1.3	1.8	1.7	1.7	1.8	1.6	1.5	1.4	1.9	1.6	1.8	1.7	1.9
Inventories (book value).....	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Receivables and misc. assets.....	-.1	-.1	.4	.2	.3	.2	.2	.1	.3	.3	.3	2	.3	.3
Cash and U.S. Government securities.....	(3)	-.1	.1	(3)	.1	-.1	(3)	-.2	.3	(3)	.1	-.1	(3)	(3)
Discrepancy (uses less sources).....	.2	-.4	-.2	.3	.1	(3)	-.7	-.4	-.1	-.1	.3	(3)	-.2	-.2

<sup>1</sup> Includes depletion.

<sup>2</sup> Also includes long-term bank loans, mortgages, and other long-term debt.

<sup>3</sup> Less than \$50 million.

<sup>4</sup> Includes short-term bank loans, trade payables, Federal income tax liabilities, and miscellaneous liabilities.

Source: U.S. Department of Commerce, Office of Business Economics, based on Securities and Exchange Commission, and other financial data.

# The Interindustry Structure of the United States

## A Report on the 1958 Input-Output Study

THIS report presents preliminary results of the 1958 Interindustry Relations Study. The 1958 study is part of a major new program of the Office of Business Economics which involves the periodic preparation of a set of interindustry (input-output) tables as part of an integrated system of national accounts.<sup>1</sup> Such an expanded system of integrated national accounts permits a much more comprehensive understanding of the interaction between the various industries and final markets of the economy.

The program was instituted in the latter half of 1959 in response to a recommendation of the National Accounts Review Committee which was set up at the request of the Bureau of the Budget to evaluate the national accounts work of the United States. One of the principal recommendations made by the Review Committee was that input-output accounts be prepared regularly as an important and integral component of the national accounts.<sup>2</sup> The relationship of input-output to the income and product account.

1. The development of the input-output tool of economic analysis and the actual construction of the first input-output tables were the work of Wassily W. Leontief. Professor Leontief constructed such tables for the United States for 1919, 1929, and 1939. These tables appear in Leontief's work, *The Structure of the American Economy, 1951*. The Bureau of Labor Statistics prepared an input-output table for 1947 which was released in 1952. These tables were not integrated with the National Income and Product Accounts.

2. The findings of this committee were published in *The National Economic Accounts of the United States, Hearings Before the Subcommittee on Economic Statistics of the Joint Economic Committee, Congress of the United States, 1957*.

NOTE.—A study of this magnitude requires the efforts of a large number of people. Important contributions were made by staff in the Farm Income Branch of the Department of Agriculture's Economic Research Service and in the Division of Economic Analysis of the Bureau of Mines. Within the Office of Business Economics, responsibility for the estimates centered in the National Economics Division with important assistance from staff of the National Income Division.

The 1958 input-output table was prepared as an integral part of the U.S. national economic accounts. To understand the relationship, it is useful to review briefly the National Income and Product Account which provides the takeoff point for the input-output account.

The National Income and Product Account presents the output of the Nation both in terms of final product flows and in terms of the basic income types generated in its production. The final product flows are shown in terms of sales to consumers (personal consumption expenditures), sales to investors and inventory change (gross private domestic investment), sales to government and net sales to foreigners. The income, referred to in this article as value added, is shown separately for compensation of employees, proprietors' income, rental income of persons, corporate profits, net interest, capital consumption allowances, indirect business taxes, business transfer payments and current surplus of government enterprises less subsidies. The flows of raw materials, semi-finished products, and services among the various industries are cancelled. The values of these flows are reflected in the final output.

The input-output table also shows final product flows and value added. The final product flows are shown as sales by each industry to the same final markets (consumers, investors, government and foreigners). The value added is shown by industry in which it originates. However, the input-output account extends the data to cover the flows of raw materials, semi-finished products and services among industries as well. In fact, it is the tracing of these flows which forms the basis of the major contribution of input-output.

Usually, input-output data are presented in a table in which each industry is represented by a row and a column; each final market by a column; and value added by one or more rows. The row for an industry shows the distribution of its output to itself and to other industries and final markets; the column shows its consumption of goods and services of the various industries and its value added.

Because the 1958 interindustry accounts have been constructed as a conceptually and statistically integrated complement of the national income and product accounts, the measurement of total GNP as well as of the flows to each of the final markets (personal consumption, gross private domestic investment, government purchases, and net exports) will be the same in the two sets of accounts.<sup>3</sup> The detail of the two accounts will differ, however. In the interindustry accounts the detail of these various final demand columns will be by industry (Table A shows the percent which each industry's sales is of the total sales to that final market). For the national income accounts other types of breakdown are shown.

With respect to value added, the income and product accounts show the several components separately, e.g., compensation of employees, corporate profits, capital consumption allowances, etc. The input-output tables included in this report combine all the components into a single "value added" row. While the value added total for all industries will be identical in the input-output and the national income

3. The dollar estimates of final markets and value added implied in the 1958 input-output study will, however, differ from those which appear in the July 1962 *Survey of Current Business*. In the course of developing the 1958 estimates, both for the input-output table and the national income and product benchmark, a number of statistical, conceptual, and definitional changes have been introduced. A revised time series on National Income and Product which incorporates these changes will be forthcoming at a later date.

accounts, the industrial distribution will differ. A detailed industry-by-industry reconciliation will be included in a subsequent publication.

### Uses of input-output

Input-output analysis has a variety of applications including such diverse uses as evaluating an individual firm's sales potential and probing the implications of broad economic programs. For example, a businessman can compare his company's marketing position with that of the industry as a whole and note possible areas of additional market potential. Moreover, while companies frequently know the industries which use their products and services, they less frequently know the industries which use the products and services of their customers. Furthermore, their knowledge diminishes rapidly as these relationships are extended to the customers' customers, and so on. An approach, such as input-output, which traces these myriad purchase and sale relationships permits an understanding of the probable changes in demand for the products of any given industry that may result from expected changes in other industries or markets which are seemingly unrelated.

Input-output is a powerful tool for analyzing changes in the economy because it provides a series of links between the demands of final markets and the outputs of industries. Consequently, it brings into focus the possible repercussions of changes in gross national product or its components on the output of each of the industries. For example, it permits identifying the industries which are affected directly and indirectly (and the extent to which they are affected) by specified changes in consumer expenditures, by increasing exports or imports, by changes in the level of defense expenditures, or by an expansion of Federal road building programs.

By use of supplementary data on the employment required per unit of output, the output requirement from each industry can, in turn, be translated into requirements for employment. In a parallel fashion, supplementary information on capital and capacity might be used to shed light on the possible needs for additional plant and equipment.

Table A.—Industrial Composition of Purchases by Final Demand Categories, 1958

(Percent)

Producing industry	Final demand categories <sup>1</sup>					
	Personal consumption expenditures	Gross private fixed capital formation	Net inventory change <sup>2</sup>	Gross exports of goods and services	Federal Government purchases	State and local government purchases
					100.00	
Total	100.00	100.00	100.00	100.00	100.00	100.00
1. Livestock and Livestock Products	.73	0	40.29	.16	-.01	.03
2. Other Agricultural Products	.85	0	28.74	7.52	2.09	.07
3. Forestry and Fishery Products	.10	0	1.29	.13	-.26	(*)
4. Agricultural, Forestry and Fishery Services	0	0	1.34	.01	.08	-.17
5. Iron and Ferroalloy Ores Mining	0	0	-1.54	.17	0	0
6. Nonferrous Metal Ores Mining	0	0	-2.18	.02	.36	0
7. Coal Mining	.09	0	-1.50	1.41	0	.15
8. Crude Petroleum and Natural Gas	0	0	-2.70	.12	0	0
9. Stone and Clay Mining and Quarrying	.01	0	.24	.10	.02	-.03
10. Chemicals and Fertilizers Mineral Mining	(*)	0	-.09	.24	.02	.03
11. New Construction	0	59.23	0	.01	6.32	29.75
12. Maintenance and Repair Construction	0	0	0	0	1.98	8.28
13. Ordnance and Accessories	.05	0	5.64	.07	4.24	.01
14. Food and Kindred Products	15.77	0	16.63	4.82	.41	.67
15. Tobacco Manufactures	1.46	0	-1.71	1.86	0	(*)
16. Broad and Narrow Fabrics, Yarn and Thread Mills	.25	0	-6.97	.90	.09	.02
17. Misc. Textile Goods and Floor Coverings	.26	.07	-1.78	.20	.01	(*)
18. Apparel	3.85	0	-8.27	.60	.07	.23
19. Miscellaneous Fabricated Textile Products	.38	0	-.07	.08	.19	(*)
20. Lumber and Wood Products, Except Containers	.05	.01	4.19	.47	-.01	(*)
21. Wooden Containers	0	0	-.63	.01	(*)	(*)
22. Household Furniture	.83	.20	-.43	.06	.05	.14
23. Other Furniture and Fixtures	.04	1.28	.04	.08	.05	.31
24. Paper and Allied Products, Except Containers	.29	0	-.17	1.11	.13	.01
25. Paperboard Containers and Boxes	.01	0	-.08	.08	.01	(*)
26. Printing and Publishing	.84	0	.71	.40	.17	.43
27. Chemicals and Selected Chemical Products	.07	0	-1.63	2.88	1.38	.60
28. Plastics and Synthetic Materials	(*)	0	-2.92	1.44	.01	0
29. Drugs, Cleaning and Toilet Preparations	1.28	0	3.75	1.38	.25	.44
30. Paints and Allied Products	.01	0	-.25	.12	.01	(*)
31. Petroleum Refining and Related Industries	2.50	0	-12.48	2.79	1.35	.94
32. Rubber and Miscellaneous Plastics Products	.45	.08	-2.18	.90	.22	.18
33. Leather Tanning and Industrial Leather Products	0	0	-.17	.12	0	0
34. Footwear and Other Leather Products	.90	.01	2.16	.15	.04	(*)
35. Glass and Glass Products	.04	0	-.36	.29	(*)	0
36. Stone and Clay Products	.07	0	1.85	.42	.01	.01
37. Primary Iron and Steel Manufacturing	.01	0	-10.71	2.28	.21	(*)
38. Primary Nonferrous Metal Manufacturing	(*)	0	-.65	1.30	.62	0
39. Metal Containers	0	.02	.90	.11	.03	0
40. Heating, Plumbing and Structural Metal Products	.02	1.13	-4.60	.96	(*)	0
41. Stampings, Screw Machine Products & Bolts	.09	0	-4.47	.12	.17	.01
42. Other Fabricated Metal Products	.13	.27	-3.22	1.07	.21	.11
43. Engines & Turbines	.04	.92	-4.03	.90	.45	.01
44. Farm Machinery & Equipment	(*)	2.68	-1.49	.80	.01	.04
45. Construction, Mining & Oil Field Machinery	0	2.11	-4.93	3.02	.15	.05
46. Materials Handling Machinery & Equipment	0	.56	-1.60	.33	.25	.12
47. Metalworking Machinery & Equipment	.01	1.85	-8.81	1.41	.32	.01
48. Special Industry Machinery & Equipment	.01	2.35	-7.15	1.57	.06	.07
49. General Industrial Machinery & Equipment	0	1.68	-5.46	1.17	.37	.01
50. Machine Shop Products	0	0	-.70	.06	.08	.09
51. Office, Computing & Accounting Machines	.02	1.63	-.98	.58	.14	.22
52. Service Industry Machines	.09	1.53	-2.40	.58	.12	.05
53. Electric Industrial Equipment & Apparatus	.01	2.59	-8.92	1.20	.34	.01
54. Household Appliances	.83	.15	-4.26	.70	.04	(*)
55. Electric Lighting & Wiring Equipment	.11	.04	-1.97	.27	.03	.02
56. Radio, Television & Communication Equipment	.47	1.62	-4.79	.86	2.61	.15
57. Electronic Components & Accessories	.05	.04	-3.22	.38	.44	(*)
58. Misc. Electrical Machinery, Equipment & Supplies	.09	.13	-1.64	.30	.17	.08
59. Motor Vehicles & Equipment	3.17	5.73	-35.46	3.91	.57	1.08
60. Aircraft & Parts	.01	.57	-17.56	2.38	12.13	(*)
61. Other Transportation Equipment	.25	1.89	-5.05	1.27	1.22	.09
62. Scientific & Controlling Instruments	.12	.85	-.53	.78	1.02	.21
63. Optical, Ophthalmic & Photographic Equipment	.16	.26	.36	.38	.25	.04
64. Miscellaneous Manufacturing	.87	.45	2.28	.49	.07	.44
65. Transportation & Warehousing	2.98	.81	10.30	9.77	2.70	.99
66. Communications; Except Radio & T.V. Broadcasting	1.35	.58	0	.27	.32	.47
67. Radio & T.V. Broadcasting	0	0	0	.04	0	0
68. Electric, Gas, Water & Sanitary Services	2.78	0	0	.15	.65	1.20
69. Wholesale & Retail Trade	21.22	6.01	4.63	5.99	1.23	.45
70. Finance & Insurance	4.07	0	0	.09	(*)	.47
71. Real Estate & Rental	13.78	1.94	0	1.09	.21	.58
72. Hotels; Personal & Repair Services Exc. Auto	3.26	0	0	0	.46	.22
73. Business Services	.65	0	0	.72	1.07	1.37
74. Research & Development	0	0	0	0	9.66	0
75. Automobile Repair & Services	1.51	0	0	0	.24	.20
76. Amusements	1.12	0	1.47	1.10	.03	-.11
77. Medical, Educational Services & Non-Profit Org	7.05	0	0	.03	.22	.77
78. Federal Government Enterprises	.22	0	0	.26	.11	.17
79. State & Local Government Enterprises	.11	0	0	.01	.21	.01
80. Gross Imports of Goods & Services	1.33	.02	.54	.83	5.07	.01
81. Business Travel, Entertainment & Gifts	0	0	0	0	0	0
82. Office Supplies	0	0	0	0	.14	.33
83. Scrap, Used, Second Hand Goods	(*)	-1.32	-13.78	.89	.22	.84
84. Government Industry	0	0	0	0	37.24	46.99
85. Rest of the World Industry	-.40	0	0	18.46	-1.16	0
86. Household Industry	1.21	0	0	0	0	0
87. Inventory Valuation Adjustment <sup>3</sup>	0	0	-20.86	0	0	0

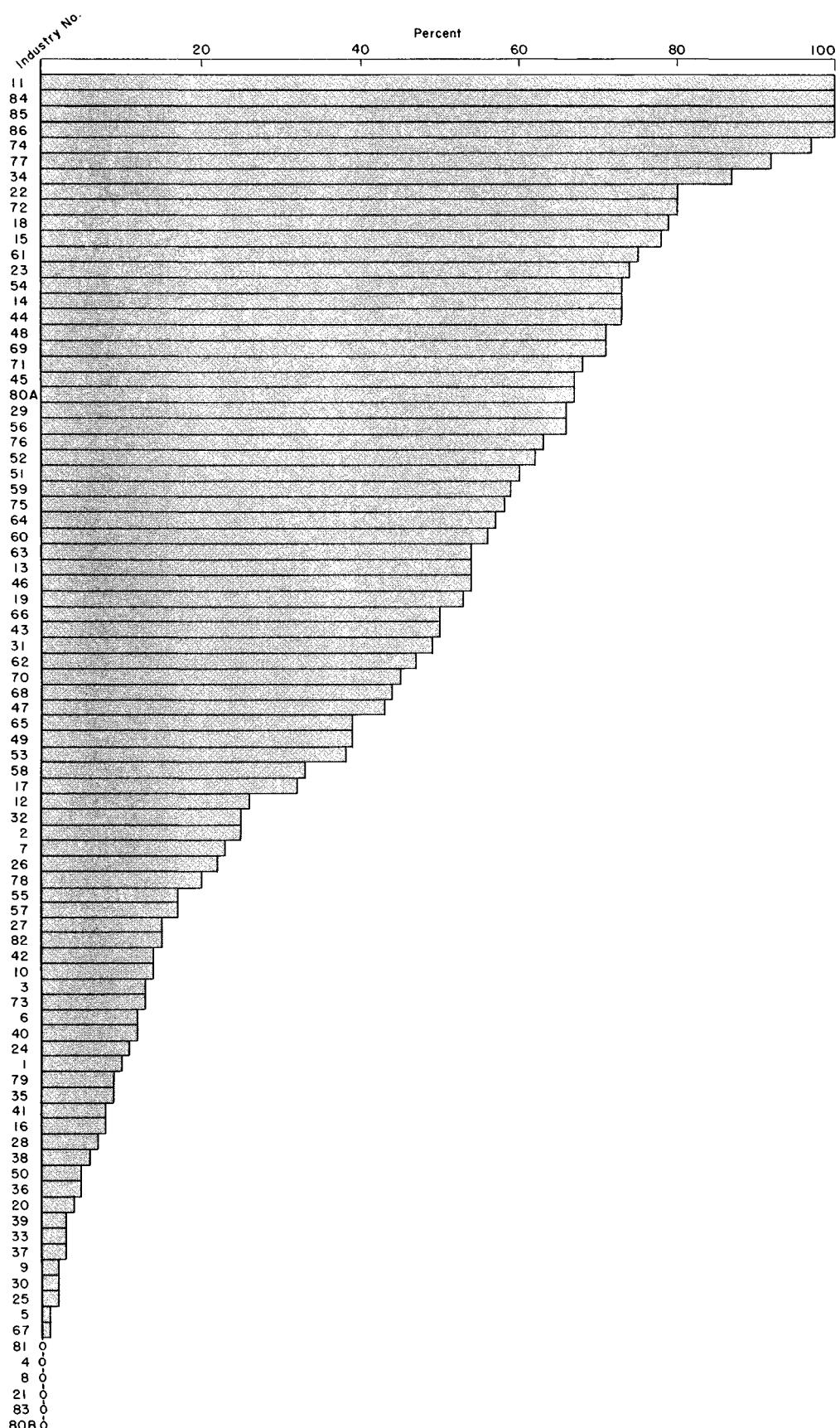
<sup>1</sup> The industrial distribution of final purchases is based on producers' prices. Final purchases are shown net of sales; this can result in negative percents where sales exceed purchases.

<sup>2</sup> The industrial distribution of inventory change represents the change in inventories of primary products of an industry (wherever held), rather than the change in all inventories held by an industry.

<sup>3</sup> For the input-output table, the inventory valuation adjustment has been made in total only.

\*Less than .005 percent. NOTE.—Detail may not add to total due to rounding.

**Producing Industries Ranked by Percent of Output  
Sold Directly to Final Demand, 1958**



A simple example may serve to clarify the way in which input-output can be useful in analyzing changes in the economy. Suppose there is an increased demand by consumers for passenger cars. We know that the increased output of the automobile industry will generate a series of increased demands for output of a large number of other industries. There will be increased demand for steel which in turn will require more chemicals, such as sulfuric acid, more iron, more limestone, and more coal. There will be more demand for upholstery fabrics which will require more natural fibers from agriculture, more synthetic fibers from the chemical industry, and more plastics. The chemical industry will also be called upon to supply more synthetics such as nylon and rayon for the tire industry. These are only a few of the resulting demands occasioned by the single change in consumer requirements. The input-output tables permit tracing this complicated and highly intricate chain reaction through our industrial structure and measuring the demands, both direct and indirect, imposed upon each of the industries.

In conjunction with auxiliary information on the geographic distribution of industries, input-output analysis can be used to shed light on the regional implications of many national programs.

Input-output information is also useful in price analysis. By providing a chain of relationships and a set of weights for these relationships, it enables one to examine, for example, the possible impact on other industries of a given change in wages and/or prices in a specified industry.

Many of the uses of input-output involve the simplifying assumption that the relationships developed in the basic table are appropriate for other years and through a limited range of output levels. It is recognized that there are theoretical limitations to this assumption. However, for the most part, it is close enough to reality to yield satisfactory results.<sup>4</sup> Where significant

4. Further discussion of the nature and implications of the assumption is contained in the unpublished document available, upon request, from OBE. In addition, while the Office of Business Economics has applied the input-output technique to a limited extent in the course of developing the basic estimates, further analytical studies aimed partly at shedding light on the validity of the assumptions under varying conditions are planned for the future.

changes in relationships do occur, proper use of the input-output technique requires that such changes be introduced.

#### Description of the tables

Three basic tables on 1958 input-output relationships—the output distribution table, the direct requirements table, and the total requirements table—are presented in this first report on the 1958 input-output study.<sup>5</sup> These tables and some of the important economic relationships which they reveal are described below.<sup>6</sup>

*Output distribution table (table 1).* Table 1 provides information on the 1958 market patterns for the output of each of the industrial categories of goods or services. Each row of this table shows the distribution (in percentages) to each of the industries and final users of the goods and services of the industry. It provides the data needed by a firm to compare its sales pattern with that of its industry, thus identifying potential markets.

It can be noted from table 1 that the direct relationship between the production of an industry and its sales to final users varies considerably. Some industrial categories such as tobacco manufactures (15) and household furniture (22) sold over three-fourths of their total output to final users and are, therefore, directly affected by changes in final markets. On the other hand, other industrial cate-

gories such as agricultural services (4) and iron and ferroalloy ores mining (5) sold virtually all of their output to intermediate consumers. For such industries the connection between production and final markets is remote and can be traced only through the sales of their customers. Of the 86 separate industries examined, 51 sold over half of their output to intermediate users; as many as 36 sold more than three-fourths of their output to industrial users. The wide range in the percentage of total output sold directly to final demand is shown in the chart on page 12 which arrays the 86 producing industries by the proportion of their output which was sold directly to final users.

It can also be noted from table 1 that there are wide differences amongst industrial categories in the degree of diversity of their intermediate distribution patterns. For example, while the primary iron and steel manufacturing industry (37) and the metal container industry (39) both sold over 90 percent of their output to other producing industries, the former sold its output to 55 intermediate industries no one having purchased more than 20 percent of its output, while the latter sold its output to only 12 industries with one industry, food and kindred products (14), having absorbed 73 percent of its output.

It is important to bear in mind that the output distributions shown in table 1 refer to 1958 and, therefore, reflect the demand, prices, and product mixture for that year. This output distribution pattern is likely to fluctuate over time as a result of changes in relative importance of industrial markets. Thus, this pattern should be applied with caution to other years.

*Direct requirements table (table 2).* Table 2 relates each of the inputs of an industry to its total output. Each column of table 2 shows the inputs that the industry named at the top of that column required from each of the industries named at the beginning of the rows to produce a dollar of its output. For example, to produce a dollar of output, the chemicals manufacturing industry (col. 27) required 19 cents of its own production, 5 cents from the petroleum refining industry (row 31), 3 cents from the chemical mining industry (row 10), etc.

The information in table 2 reflects the relatively complex and specialized nature of the United States production process. The table shows quite clearly the heavy interdependence amongst the various producing industries. Ours is not a production process characterized by a simple structure which combines basic raw materials with labor and machines to turn out products which are sold to the final user. Rather, it is characterized by a highly specialized system which fabricates semiprocessed goods and various business services for combination into still further advanced stages of fabrication.

Almost all industries required inputs from at least 25 different industries. As many as 58 producing industries required inputs from over 50 different industries. The chemicals industry (column 27) for example, required inputs from 71 different industries and only 8 of these supplying industries can be considered producers of basic raw materials.

The data in table 2 permit the tracing of the interconnections among the various industries and final demand in a systematic way. For example, assume that the household furniture industry produces \$1 million of furniture for sale to consumers. By reference to column 22 it is seen that the household furniture industry would require slightly under \$15,000 ( $\$1,000,000 \times .01488$ ) from itself. Thus, industry 22 would have to produce a minimum of \$1,015,000. Continuing the example, this amount of output would require almost \$58,000 ( $\$1,015,000 \times .05685$ ) of fabrics from industry 16, a little over \$125,000 ( $\$1,015,000 \times .12421$ ) of wood products from industry 20 (and so on down the column).

Next we can calculate the output required by each of the supplying industries to meet the requirement placed on them. For example, industry 22 has so far placed a demand on industry 16 for \$58,000 of fabrics. In order to produce this value of fabrics, calculating in a similar fashion, industry 16 imposes a demand of \$20,000 ( $\$58,000 \times .34664$ ) on itself, and for the resulting output requires almost \$7,000 ( $\$78,000 \times .08465$ ) of man-made fibers and other plastic materials from industry 28, and so on.

5. This report does not include one of the standard tables for the presentation of input-output relationships—the transactions or flow table. This table shows the dollar values of the transactions among the various industries, of the value added, and of the final markets of the economy. The sum of the appropriate final demand columns in such a table is equivalent to gross national product in the year of the table. The preliminary estimates of GNP for 1958 developed as part of the input-output analysis are subject to modification in the course of the development of the revised time series on GNP. Until the time series is completed, the 1958 dollar values cannot be considered as final. However, changes in these values would not affect the interindustry structural relationships presented in this article.

6. It should be noted that information presented in these tables is influenced by the concepts and conventions adopted for the 1958 input-output study. Thus, the various patterns are based on producers' prices. The information does not show sales to wholesale and retail trade for resale but shows the flow of goods directly from producer to user. Some of the distributions do not represent actual sales (or purchases) but reflect "fictitious sales" (transfers) of secondary products to the primary producing industries. Consumption does not distinguish between domestic production and imports when the two are substitutable. The distributions to other industries represent actual consumption and do not include purchases for inventory accumulation or on capital account. Such purchases are included in the final demand categories, net inventory change and gross private fixed capital formation, respectively. The concepts and conventions are described briefly in the final section of this article.

**Table B.—Total, Direct, and Indirect Output Attributable to Each Category of Final Demand, 1958**  
(Percent)

Producing Industry	Personal consumption expenditures			Gross private fixed capital formation			Net inventory change			Gross exports			Federal government purchases			State and local government purchases		
	Total	Direct	Indirect	Total	Direct	Indirect	Total	Direct	Indirect	Total	Direct	Indirect	Total	Direct	Indirect	Total	Direct	Indirect
1. Livestock & Livestock Products	89.9	8.0	81.9	1.4	0	1.4	3.4	2.3	1.1	3.0	.1	2.9	1.4	(*.)	1.4	.9	(*.)	.9
2. Other Agricultural Products	76.2	10.5	65.7	2.9	0	2.9	3.0	1.8	1.2	10.3	7.5	2.8	6.3	4.7	1.6	1.3	1	1.2
3. Forestry & Fishery Products	64.1	19.4	44.7	25.3	0	25.3	1.8	1.3	.5	5.0	2.1	2.9	-5.3	-9.4	4.1	9.1	(*.)	9.1
4. Agricultural, Forestry & Fishery Services	80.6	0	80.6	3.8	0	3.8	4.1	1.3	2.8	7.3	.2	7.1	7.1	2.9	4.2	-2.9	-4.4	1.5
5. Iron & Ferroalloy Ores Mining	32.1	0	32.1	37.2	0	37.2	-4.5	-1.8	-2.7	13.5	3.3	10.2	12.8	0	12.8	8.9	0	8.9
6. Nonferrous Metal Ores Mining	26.0	0	26.0	26.6	0	26.6	-4.4	-2.4	-2.0	9.1	.3	8.8	35.6	14.5	21.1	7.1	0	7.1
7. Coal Mining	53.9	9.5	44.4	14.9	0	14.9	-1.8	-8	-1.0	19.1	12.1	7.0	6.3	0	6.3	7.6	2.2	5.4
8. Crude Petroleum & Natural Gas	72.1	0	72.1	9.0	0	9.0	-1.3	-4	-9	6.6	.3	6.3	7.8	0	7.8	5.8	0	5.8
9. Stone & Clay Mining & Quarrying	24.2	1.1	23.1	46.5	0	46.5	.2	.2	(*.)	4.5	1.4	3.1	8.2	.6	7.6	16.4	-7	17.1
10. Chemicals & Fertilizers Mineral Mining	46.6	0	46.4	11.8	0	11.8	-.5	-.2	-.3	20.5	9.8	10.7	13.1	1.9	11.2	8.5	2.1	6.4
11. New Construction	0	0	0	70.5	70.5	(*.)	0	0	0	(*.)	(*.)	(*.)	6.5	6.5	(*.)	23.0	23.0	(*.)
12. Maintenance & Repair Construction	60.7	0	60.7	5.4	0	5.4	.1	.1	.1	2.5	0	2.5	9.4	6.3	3.1	21.9	19.9	2.0
13. Ordnance & Accessories	7.0	3.4	3.6	2.8	0	2.8	1.4	1.8	-.4	1.7	.4	1.3	8.7	48.6	38.1	.4	.1	.3
14. Food Kindred Products	94.0	70.2	23.8	1.0	0	1.0	.6	.4	.2	2.5	1.7	.8	1.0	.9	.3	.7	.4	.5
15. Tobacco Manufactures	90.3	71.5	18.8	.5	0	.5	-.5	-.4	-.1	9.2	7.3	1.9	.3	0	.3	.2	(*.)	.2
16. Broad & Narrow Fabrics, Yarn & Thread Mills	89.9	6.5	83.4	3.0	0	3.0	-2.3	-1.0	-1.3	4.9	1.9	3.0	3.1	.5	2.6	1.4	.1	1.3
17. Misc. Textile Goods & Floor Coverings	80.5	29.7	50.8	9.3	1.8	7.5	-1.7	-1.1	-.6	5.2	1.8	3.4	4.4	.2	4.2	2.3	(*.)	2.3
18. Apparel	97.5	78.1	19.4	.6	0	.6	-1.1	-.9	-.2	1.4	1.0	.4	.7	.3	.4	.9	.6	.3
19. Miscellaneous Fabricated Textile Products	86.6	48.1	38.5	3.6	0	3.6	-.3	(*.)	-.3	2.5	.8	1.7	6.5	4.5	2.0	1.1	(*.)	1.1
20. Lumber & Wood Products, Except Containers	27.7	1.8	25.9	45.2	.1	45.1	-.8	-.7	.1	3.8	1.3	2.5	6.7	-.1	6.8	15.8	(*.)	15.8
21. Wooden Containers	73.1	0	73.1	12.4	0	12.4	-1.6	-2.1	.5	6.3	.6	5.7	6.1	.4	5.7	3.7	.1	3.6
22. Household Furniture	78.1	73.2	4.9	13.3	3.8	9.5	-.3	-.2	-.1	.9	.5	.4	3.7	.8	2.9	4.3	1.7	2.6
23. Other Furniture & Fixtures	14.2	8.6	5.6	66.6	53.4	13.2	-.1	(*.)	-.1	1.8	1.2	.6	4.9	1.7	3.2	12.6	8.5	4.1
24. Paper & Allied Products, Except Containers	68.2	8.1	60.1	12.9	0	12.9	-.2	(*.)	-.2	6.8	2.4	4.4	6.6	.7	5.9	5.7	.1	5.6
25. Paperboard Containers & Boxes	73.9	1.0	72.9	11.4	0	11.4	-.2	(*.)	-.2	5.1	.5	4.6	5.9	.1	5.8	3.9	(*.)	3.9
26. Printing & Publishing	73.1	19.3	53.8	10.2	0	10.2	(*.)	.1	-.1	3.7	.7	3.0	6.2	.7	5.5	6.8	1.4	5.4
27. Chemicals & Selected Chemical Products	53.3	1.8	51.5	12.0	0	12.0	-.5	-.2	-.3	13.2	5.6	7.6	14.6	6.1	8.5	7.4	2.0	5.4
28. Plastics & Synthetic Materials	63.5	.2	63.3	12.5	0	12.5	-.2	-.3	-.1	14.0	7.9	6.1	7.8	.1	7.7	4.5	0	4.5
29. Drugs, Cleaning & Toilet Preparations	82.6	55.9	26.7	2.3	0	2.3	.8	-.8	(*.)	6.3	4.9	1.4	4.1	2.0	2.1	3.9	2.7	1.2
30. Paints & Allied Products	52.2	.9	51.3	19.4	0	19.4	-.6	-.2	-.4	5.1	1.5	3.6	8.9	.1	8.8	15.0	(*.)	15.0
31. Petroleum Refining & Related Industries	70.9	40.3	30.6	9.3	0	9.3	-1.0	-1.0	(*.)	6.8	3.6	3.2	8.1	4.0	4.1	5.9	2.1	3.8
32. Rubber & Miscellaneous Plastics Products	62.9	19.0	43.9	16.1	.8	15.3	-1.0	-.5	-.5	7.2	3.1	4.1	9.6	1.7	7.9	5.2	1.1	4.1
33. Leather Tanning & Industrial Leather Products	88.7	0	88.7	2.9	0	2.9	.5	-.3	.8	5.4	3.1	2.3	1.7	0	1.7	.8	0	-.8
34. Footwear & Other Leather Products	95.3	83.6	11.7	.7	.2	.5	1.1	1.0	.1	1.5	1.2	.3	1.1	.7	.4	.3	1	2
35. Glass & Glass Products	68.2	5.9	62.3	14.5	0	14.5	-.7	-.2	-.5	6.9	3.1	3.8	6.4	.1	6.3	4.7	0	4.7
36. Stone & Clay Products	20.0	2.8	17.2	50.6	0	50.6	(*.)	.4	-.4	3.6	1.3	2.3	8.3	.1	8.2	17.5	(*.)	17.5
37. Primary Iron & Steel Manufacturing	31.4	.1	31.3	39.6	0	39.6	-.2	-.7	-.8	10.1	2.8	7.3	12.5	.6	11.9	9.1	(*.)	9.1
38. Primary Nonferrous Metal Manufacturing	28.2	.1	28.1	32.6	0	32.6	-.1	-.1	-.5	10.1	3.0	7.1	22.3	3.3	19.0	8.4	0	8.4
39. Metal Containers	84.5	0	84.5	3.8	.5	3.3	1.0	-.6	.4	4.8	1.2	3.6	3.6	.8	2.8	2.3	0	2.3
40. Heating, Plumbing & Structural Metal Products	11.9	.9	11.0	60.0	8.8	51.2	-1.1	-.9	-.2	4.1	2.8	1.3	7.0	(*.)	7.0	18.1	0	18.1
41. Stamping, Screw Machine Products & Bolts	47.1	6.7	40.4	26.4	0	26.4	-3.7	-1.8	-1.9	7.1	.8	6.3	18.2	2.5	15.7	4.9	.1	4.8
42. Other Fabricated Metal Products	42.7	5.8	36.9	30.6	2.5	28.1	-1.9	-.7	-1.2	8.6	3.8	4.8	11.9	1.7	10.2	8.1	.7	7.4
43. Engines & Turbines	21.1	5.7	15.4	46.1	26.1	20.0	-3.8	-2.7	-1.1	14.8	9.6	5.2	19.7	10.8	8.8	2.1	.1	2.0
44. Farm Machinery & Equipment	13.3	.3	13.0	73.0	65.1	7.9	-.9	(*.)	10.0	7.3	2.7	2.9	.2	.2	2.7	1.7	.7	1.0
45. Construction, Mining & Oil Field Machinery	8.3	0	8.3	57.8	42.8	15.0	-3.0	-2.4	-.6	26.9	23.0	3.9	6.1	2.6	3.5	3.9	.7	3.2
46. Materials Handling Machinery & Equipment	6.8	0	6.8	57.6	32.1	25.5	-2.6	-2.2	-.4	9.4	7.0	2.4	17.2	12.4	4.8	11.6	4.5	7.1
47. Metalworking Machinery & Equipment	19.0	.8	18.2	48.7	31.5	17.2	-4.9	-3.6	-1.3	14.0	9.0	5.0	20.6	4.7	15.9	2.6	.1	2.5
48. Special Industry Machinery & Equipment	13.0	.8	12.2	67.3	57.8	9.5	-4.8	-4.2	-.6	17.5	14.6	2.9	4.3	1.2	3.1	2.7	1.2	1.5
49. General Industrial Machinery & Equipment	14.4	0	14.4	56.0	28.0	28.0	-3.6	-2.2	-.1	13.4	7.3	6.1	15.3	5.3	10.0	4.5	.1	4.4
50. Machine Shop Products	29.0	0	29.0	20.9	0	20.9	-1.8	-.7	-.1	7.0	.9	6.1	39.0	2.6	36.4	5.9	2.2	3.7
51. Office, Computing & Accounting Machines	23.5	2.6	20.9	55.0	45.0	10.0	-.8	-.6	-.2	8.1	6.0	2.1	7.7	3.3	4.4	6.5	3.9	2.6
52. Service Industry Machines	24.9	11.0	13.9	57.6	42.4	15.2	-2.0	-1.6	-.4	7.7	6.0	1.7	7.1	2.9	4.2	4.7	.9	3.8
53. Electric Industrial Equipment & Apparatus	16.1	.3	15.8	56.1	31.3	24.8	-.3	-.2	-.1	9.8	5.4	4.4	17.0	3.5	13.5	4.7	.1	4.6
54. Household Appliances	75.8	67.2	8.6	11.4	2.6	8.8	-2.0	-.8	-.2	5.4	4.5	.9	7.0	.6	6.4	2.4	(*.)	2.4
55. Electric Lighting & Wiring Equipment	33.7	13.6	20.1	36.5	1.1	35.4	-.1	-.9	-.6	5.5	2.8	2.7	14.5	.8	13.7	11.7	.4	11.3
56. Radio, Television & Communication Equipment	32.3	22.5	9.8	21.9	16.7	5.2	-1.6	-.2	-.4	4.8	3.3	1.5	40.7	23.1	17.6	1.9	1.0	.9
57. Electronic Components & Accessories	35.7	5.6	30.1	18.8	1.0	17.8	-3.1	-.8	-.1	7.6	3.4	4.2	38.9	8.8	30.1	2.1	(*.)	2.1
58. Misc. Electrical Machinery, Equipment & Supplies	53.4	16.7	36.7	20.3	5.4	14.9	-2.8	-.6	-.1	8.9	4.6	4.3	15.1	5.8	9.3	5.1	2.1	3.0
59. Motor Vehicles & Equipment	64.7	39.2	25.5	24.4	15.2	9.2	-3.3	-.2	-.1	6.4	3.9	2.5	4.6	1.3	3.3	3.2	1.9	1.3
60. Aircraft & Parts	3.9	.2	3.7	5.5	2.8	2.7	-.5	-.2	-.4	6.1	4.4	1.7	86.7	51.0	35.7	.3	.3	.3
61. Other Transportation Equipment	30.6	19.2	11.4	38.4	31.2	7.2	-2.3	-2.0	-.3	10.1	7.9	2.2	20.9	17.3	3.6	2.3	1.0	1.3
62. Scientific & Controlling Instruments	31.2	9.7	21.5	26.7	14.7	12.0	-.7	-.2	-.5	7.3	5.1	2.2	30.2	15.2	15.0	5.3	2.4	2.9
63. Optical, Ophthalmic & Photographic Equipment	59.1	28.9	30.2	15.2	10.1	5.1	.2	.3	-.1	7.4	5.6	1.8	15.4	8.4	7.0	2.7	.9	1.8
64. Miscellaneous Manufacturing	75.1	45.7	29.4	11.0	5.0	6.0	.5	.6	-.1	3.6	2.1	1.5	4.0	4.0	3.4	5.8	3.2	2.6
65. Transportation & Warehousing	61.9	25.4	36.5	13.7	1.5	12.2	-.3	.4	-.1	9.9	6.7	3.2	8.9	4				

This chain of repeated calculations of output requirements which spread through the economy can be traced, and the total amount of output required from each industry to produce \$1 million of household furniture for consumers can thus be derived. This is a very laborious and time-consuming procedure unless performed on an electronic computer. However, there is an alternative, table 3, for which the relationships in table 2 have been completely traced and summarized.

*Total requirements table (table 3).* Each column of table 3 shows the amount of output required both directly and indirectly from the industry named at the beginning of each row for each dollar of deliveries to final demand by the industry named at the head of the column.<sup>7</sup> Table 3 is set up to measure the total requirements (direct and indirect) per dollar of delivery to final demand. This table permits calculating the impact on the various industries of the economy which result from stipulated changes in the final demand.

Returning to the example of the household furniture described above, we see that instead of the laborious tracing of the impacts from industry to industry, it is possible to calculate the impacts quite simply. Thus, the column for industry 22 shows that to provide final demand with an additional \$1 million of household furniture, \$1,016,000 ( $\$1,000,000 \times 1.01602$ ) is required in total from industry 22, almost \$99,000 ( $\$1,000,000 \times .09888$ ) from industry 16, almost \$183,000 ( $\$1,000,000 \times .18274$ ) from industry 20, etc.

As a further illustration of the link provided by input-output between final demand and the output of each industry, a series of calculations were performed using table 3. The results of these calculations appear in table B, which shows the percentage of output of each industry which was attributable, directly or indirectly, to each category of final demand in 1958.

A number of interesting observations emerge from this table. For example, it is seen that while only 8 percent of the output of the paper industry (24) was sold to persons, 68 percent of its output was attributable to total consumption by persons. The table also shows that almost 13 percent of the paper industry's output was indirectly associated with fixed investment (including residential construction) by all industries. Reading further, we find the 10 percent of chemical mining (10) which was exported directly was augmented by an additional 11 percent of output which was attributable to the exports of other commodities.

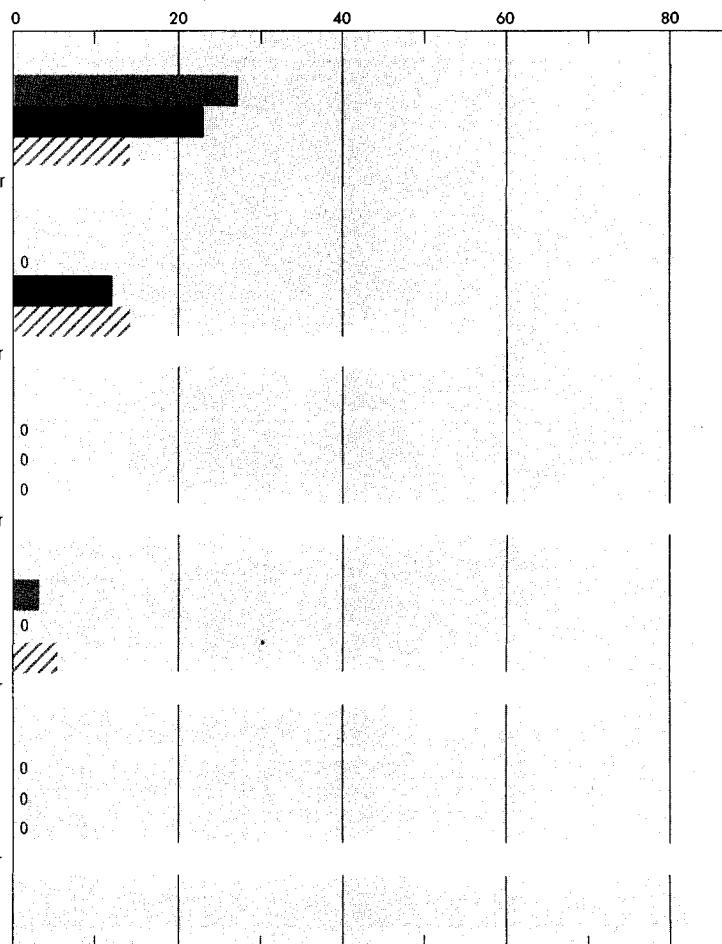
The information in table B showing the percentage of total output of each industry attributable to each final

demand category, has been summarized in the chart below. As would be expected, most industries are heavily dependent on consumer expenditures. Of the 82 industries included in this chart, 50 attribute half or more of their output to consumer purchases. Another 12 attribute more than half of their output to fixed investment and only 3 attribute more than half to Federal Government. The remaining eighteen industries depend on more than one final demand category for the bulk of their output. The maximum share of the output of any industry attributable to State and local governments was under 25 percent.

While table 3 is more convenient for calculating total requirements, table 2 will sometimes be preferred, because it

*This category  
of final demand,  
directly and  
indirectly  
generated . . . this percent*

*of output . . . in this number of industries*



7. The mathematical procedures for converting direct requirements to total requirements are described in *Inter-industry Economics* by Chenery and Clark, *Input-Output in National Accounts* by Richard Stone, and other similar texts. The total requirements shown in table 3 were calculated using a program for electronic computers developed at the Harvard Economic Research Project.

permits flexibility in the computation and it permits modifying the relationships which are used. Moreover, table 2 can be used in conjunction with table 3 to split the total requirements into their direct and indirect components.

### Supplementary data requirements

To use table 3 (or table 2) for questions involving the impact of changes in level and composition of GNP on each of the industries, the first step is to formulate a bill of goods. A bill of goods is nothing more than a set of final demands expressed in the classification<sup>8</sup> and other terms of the table. That is, the specifications must agree in classification and coverage with the table;

<sup>8</sup> The industry classification scheme utilized in the 1958 study is shown in page 17 of this article.

they must be expressed in 1958 prices; and they must represent producers' prices. The amount of trade margin on all items of the bills of goods is separately specified as a requirement from the trade industry. Similarly the amount of transportation cost involved in delivery to final markets of all items in the bills of goods is separately entered as a requirement from the transportation industry.

Some of the supplementary data useful in preparing bills of goods are presented in this article. Table A (see page 11) shows the industrial composition of each category of final demand in 1958. These percentages may be used to distribute projections of each of the categories of final demand which are made in the aggregate only.

Further, table C classifies each industry's sales to consumers by the twelve major categories of personal consumption expenditures and shows the percent which that industry's sales is of the total for the category.<sup>9</sup> These percentages may be used to translate estimates of consumer expenditures at the twelve category level to the classification of the input-output table.

In addition to the auxiliary data provided in this article, one may require other information such as detailed factors for converting purchasers' prices to producers' prices and price deflators. The OBE will include detailed producer-purchaser price factors in a future publication. With respect to price deflators, the most comprehensive source is the price information included in the Consumer Price Indexes and the Wholesale Price Indexes of the U.S. Department of Labor. In addition, selected price deflators which are consistent with the personal consumption expenditure time series will have been developed as part of the benchmark revisions, and these will be made available to the extent possible.

### Concepts and Conventions of the 1958 Interindustry Tables<sup>10</sup>

**Trade.** The input-output tables do not trace actual flows to and from the trade industry. If trade were shown as buying and reselling, the detailed connections would be between trade and the producing industries while the consuming industries would purchase most of their inputs from a single source—trade. To show the links between producing and consuming industries or final markets, commodities are shown as if moving directly from producer to user, bypassing trade. Therefore, the output of trade is measured in terms of total margins; that is, operating expense plus profit.

**Valuation of transactions.** The valuation underlying the tables in this report is based on producers' prices.<sup>11</sup> Such prices exclude the distribution costs which make up the difference between producers' and purchasers' prices. Under a system of producers' valuations, the individual inputs into a consuming industry are valued at producers' prices while the trade margin and transportation costs associated with all of these inputs appear as aggregate inputs from the trade industry and transportation industry, respectively.

<sup>9</sup> These tables relate the input-output classifications to the consumer expenditures as they will appear in the revised benchmark data. Since the estimates for the benchmark are not yet completed, the percentages are subject to revision.

<sup>10</sup> This section of the report is discussed much more fully in an unpublished document which is available upon request to the OBE.

<sup>11</sup> Producers' prices have been defined to include Federal and State and local excise taxes collected and paid by the producer.

**Table C.—Industrial Composition of Personal Consumption Expenditures, 1958 by Major P.C.E. Category**

Producing Industry Number	Percent <sup>1</sup>	Producing Industry Number	Percent <sup>1</sup>	Producing Industry Number	Percent <sup>1</sup>	Producing Industry Number	Percent <sup>1</sup>
<b>P.C.E. I</b>							
<b>Food and Tobacco</b>							
1.	100.00						
2.	.248						
3.	.257						
10.	.32						
14.	(*)						
15.	55.54						
27.	.516						
65.	.02						
69.	3.40						
80.	29.47						
	1.04						
<b>P.C.E. II</b>							
<b>Clothing, Accessories and Jewelry</b>							
16.	100.00						
17.	1.15						
18.	.05						
19.	37.34						
19.	.15						
24.	.11						
32.	.79						
34.	8.59						
62.	.50						
64.	2.64						
65.	1.46						
69.	35.25						
70.	.01						
72.	11.17						
77.	.10						
80.	.78						
83.	-.09						
<b>P.C.E. III</b>							
<b>Personal Care</b>							
19.	100.00						
29.	.03						
32.	25.38						
42.	.06						
54.	1.83						
64.	1.22						
65.	1.55						
69.	1.13						
72.	24.85						
72.	43.75						
80.	.20						
<b>P.C.E. IV</b>							
<b>Housing</b>							
71.	100.00						
72.	96.58						
77.	3.22						
	.20						
<b>P.C.E. V</b>							
<b>Household operation</b>							
7.	100.00						
9.	.62						
9.	.03						
16.	.87						
17.	1.70						
18.	.02						
19.	2.31						
20.	.35						
22.	5.72						
23.	.31						
24.	1.64						
25.	.09						
26.	.74						
27.	.30						
28.	.02						
29.	2.54						
30.	.04						
31.	4.75						
32.	.44						
33.	.04						
34.	.44						
35.	.31						
36.	.39						
37.	.04						
38.	.03						
39.	.17						
40.	.59						
41.	.59						
42.	.64						
43.	.02						
44.	.02						
45.	.07						
46.	.05						
47.	.14						
48.	.05						
49.	.14						
50.	.55						
51.	.03						
52.	.55						
53.	.03						
54.	5.57						
55.	.58						
58.	.12						
61.	.01						
62.	.17						
63.	.01						
64.	1.26						
65.	2.35						
66.	9.21						
68.	19.07						
69.	23.58						
70.	.31						
72.	1.73						
73.	.15						
74.	1.35						
75.	.16						
76.	.16						
77.	.16						
78.	.15						
79.	.16						
80.	.05						
81.	8.29						
<b>P.C.E. VI</b>							
<b>Medical care and death expenses</b>							
9.	100.00						
10.	.03						
24.	.65						
27.	(*)						
29.	8.10						
32.	.27						
33.	.27						
36.	.27						
54.	.04						
55.	.02						
58.	.01						
62.	.73						
63.	.78						
65.	.45						
66.	10.74						
69.	.45						
70.	.45						
71.	1.36						
72.	5.69						
77.	64.52						
78.	.28						
80.	.17						
81.	.26						
82.	.17						
83.	.28						
<b>P.C.E. VII</b>							
<b>Personal Business</b>							
66.	100.00						
70.	.15						
71.	78.20						
73.	14.40						
76.	.05						
77.	6.38						
78.	.54						
80.	.28						
81.	.26						
82.	-.11						
<b>P.C.E. VIII</b>							
<b>Transportation</b>							
19.	.12						
27.	.15						
29.	.06						
31.	14.74						
32.	.25						
42.	.03						
52.	.04						
55.	.04						
56.	.09						
58.	.46						
59.	25.82						
61.	1.11						
63.	10.43						
65.	.27						
69.	.69						
70.	.09						
71.	12.31						
72.	.03						
73.	.16						
74.	.16						
75.	.16						
76.	.09						
77.	100.00						
78.	.03						
79.	.03						
80.	.03						
81.	.03						
82.	.03						
83.	.03						
<b>P.C.E. XI</b>							
<b>Religious and Welfare Activities</b>							
77.	100.00						
<b>P.C.E. XII</b>							
<b>Foreign Travel and Remittances—Net</b>							
77.	100.00						

\* Less than .005 percent. <sup>1</sup> The industrial distributions shown in this table are based on producers' prices.

NOTE.—Final purchases are shown net of sales. This can result in negative percents where sales exceed purchases. Source: U.S. Department of Commerce, OBE.

*Classification of industries.* All productive activities of the U.S. economy have been grouped into 86 industries. Most of these are combinations of industries as defined in the Standard Industrial Classification (SIC) Manual, 1957 edition. Three are "dummy" industries established to simplify the estimating procedures. A list of the industrial categories and their composition in terms of the SIC, where relevant, are given on this page.

*Secondary products or activities.* In most cases, secondary products were treated as if sold by the producing industry to the primary industry and added to the output of the primary industry.<sup>12</sup>

In those industries in which secondary production was large and, at the same time, considerably different from the primary output, the secondary products, and their associated inputs, were subtracted from the producing industries and added to the primary industry.

*Imports.* Imports used for production (intermediate goods and services) which are substitutable for domestically produced goods and services<sup>13</sup> were treated in a parallel manner to secondary products; that is, they were shown as if purchased by the industry producing the substitutable item and added to that industry's output.

Imports used in production which have no domestic counterparts and imports purchased by final demand in substantially the same form in which they were imported were shown as purchased directly by the consuming industry or final market.

*Gross output and gross input.* Gross output of an industry represents the sum of the values of the following elements: (a) the total production by the industry, including both primary and secondary products or services; (b) the producers' value of the secondary products or services of other industries which are primary to the given industry; and (c) the domestic port value of imports which are distributed as part of the output of the given industry.

Gross input of an industry is equal to the sum of the values of the following elements: (a) total consumption of goods and services required for the industry's total production; (b) value added by the industry; (c) the producers' value of the secondary products or services of other industries which are primary to the given industry; and (d) the domestic port value of imports which are distributed as part of the output of the given industry.<sup>14</sup>

Gross output, the row total, equals gross input, the column total.

12. The basic unit of classification in the SIC is the establishment. An establishment is classified in an industry based on its principal activity. However, once an establishment is classified in an industry, its entire output, subsidiary as well as principal, is counted as part of the output of the industry. Its principal output, that which determines its industry classification, is called primary output; its other (subsidiary) output is called secondary.

13. Substitutability was determined on a judgmental basis using the following guide: the import should be interchangeable with a domestically produced item without any changes in the technology of the consuming industry or the resultant product.

14. Secondary products and imports are added to both the inputs and outputs.

*Inventories.* The inventory change shown for each industry represents the change in inventories of the industry's products regardless of which industry actually owns or holds the inventories. (This is different from the customary industry inventory figures which represent inventories held by each industry.) Inventories are so classified in the input-output table in order to provide the balance between the output of each industry and the total consumption of its products. Current production includes products which end up in

inventories and are therefore not reflected in consumption. On the other hand, consumption may come from inventories of the producer, of the consumer, or of trade companies as well as from current output. To the extent it comes from inventories, it is not included in current production. Therefore, adding inventory increases of products of the industry to, and subtracting depletions from, the consumption of that industry's products achieves the balance with gross output of the industry.

### Industry Numbering for the 1958 Input-Output Study

Industry No. and Industry Title	Related SIC Codes (1957 Edition)	Industry No. and Industry Title	Related SIC Codes (1957 Edition)
<b>Agricultural, forestry &amp; fisheries</b>			
1 Livestock & livestock products.....	013, pt. 014, 0193, pt. 02, pt. 0729	46 Materials handling machinery & equipment.....	3534, 3535, 3536, 3537
2 Other agricultural products.....	011, 012, pt. 014, 0192, 0199, pt. 02	47 Metalworking machinery & equipment.....	354
3 Forestry & fishery products.....	074, 081, 082, 084, 086, 091	48 Special industry machinery & equipment.....	355
4 Agricultural, forestry & fisheries services.....	071, 0723, pt. 0729, 085, 098	49 General industrial machinery & equipment.....	356
<b>Mining</b>		50 Machine shop products.....	359
5 Iron & ferroalloy ores mining.....	1011, 106	51 Office, computing & accounting machines.....	357
6 Nonferrous metal ores mining.....	102, 103, 104, 105, 108, 109	52 Service industry machines.....	358
7 Coal mining.....	11, 12	53 Electric transmission & distribution equipment, & electrical industrial apparatus.....	361, 362
8 Crude petroleum & natural gas.....	1311, 1321	54 Household appliances.....	363
9 Stone & clay mining & quarrying.....	141, 142, 144, 145, 148, 149	55 Electric lighting & wiring equipment.....	364
10 Chemical & fertilizer mineral mining.....	147	56 Radio, television, & communication equipment.....	365, 366
<b>Construction</b>		57 Electronic components & accessories.....	367
11 New construction.....	138, pt. 15, pt. 16, pt. 17, pt. 6561	58 Miscellaneous electrical machinery, equipment, & supplies.....	369
12 Maintenance & repair construction.....	pt. 15, pt. 16, pt. 17	59 Motor vehicles & equipment.....	371
<b>Manufacturing</b>		60 Aircraft & parts.....	372
13 Ordnance & accessories.....	19	61 Other transportation equipment.....	373, 374, 375, 379
14 Food & kindred products.....	20	62 Professional, scientific, & controlling instruments & supplies.....	381, 382, 384, 387
15 Tobacco manufactures.....	21	63 Optical, ophthalmic, & photographic equipment & supplies.....	383, 385, 386
16 Broad & narrow fabrics, yarn & thread mills.....	221, 222, 223, 224, 226, 228	64 Miscellaneous manufacturing.....	39 (exc. 3992)
17 Miscellaneous textile goods & floor coverings.....	227, 229	<b>Transportation, communication, electric, gas, &amp; sanitary services</b>	
18 Apparel.....	225, 23 (exc. 239), 3992	65 Transportation & warehousing.....	40, 41, 42, 44, 45, 46, 47
19 Miscellaneous fabricated textile products.....	239	66 Communications, except radio & television broadcasting.....	481, 482, 489
20 Lumber & wood products, except containers.....	24 (exc. 244)	67 Radio & T.V. broadcasting.....	483
21 Wooden containers.....	244	68 Electric, gas, water, & sanitary services.....	49
22 Household furniture.....	251	<b>Wholesale &amp; retail trade</b>	
23 Other furniture & fixtures.....	25 (exc. 251)	69 Wholesale & retail trade.....	50 (exc. manufacturers sales offices), 52, 53, 54, 55, 56, 57, 58, 59, pt. 7399
24 Paper & allied products, except containers & boxes.....	26 (exc. 265)	<b>Finance insurance &amp; real estate</b>	
25 Paperboard containers & boxes.....	265	70 Finance & insurance.....	60, 61, 62, 63, 64, 66, 67
26 Printing & publishing.....	27	71 Real estate & rental.....	65 (exc. 6541 & pt. 6561)
27 Chemicals & selected chemical products.....	28 (exc. alumina pt. of 2819), 286, 287, 289	<b>Services</b>	
28 Plastics & synthetic materials.....	282	72 Hotels & lodging places; personal & repair services, except automobile repair.....	70, 72, 76 (exc. 7694 & 7699)
29 Drugs, cleaning, & toilet preparations.....	283, 284	73 Business services.....	6541, 73 (exc. 7361, 7391, & pt. 7399), 7694, 7699, 81, 89 (exc. 8921)
30 Paints & allied products.....	285	74 Research & development.....	
31 Petroleum refining & related industries.....	29	75 Automobile repair & services.....	75
32 Rubber & miscellaneous plastics products.....	30	76 Amusements.....	78, 79
33 Leather tanning & industrial leather products.....	311, 312	77 Medical, educational services, & nonprofit organizations.....	0722, 7361, 80, 82, 84, 86, 8921
34 Footwear & other leather products.....	31 (exc. 311, 312), 321, 322, 323	<b>Government enterprises</b>	
35 Glass & glass products.....	324, 325, 326, 327, 328, 329	78 Federal Government enterprises.....	
36 Stone & clay products.....	331, 332, 3391, 3399	79 State & local government enterprises.....	
37 Primary iron & steel manufacturing.....	2819 (alumina only), 333, 334, 335, 336, 3392	<b>Imports</b>	
38 Primary nonferrous metals manufacturing.....	3411, 3491 343, 344	80 Gross imports of goods & services.....	
39 Metal containers.....	345, 346	<b>Dummy industries</b>	
40 Heating, plumbing & fabricated structural metal products.....	342, 347, 348, 349 (exc. 3491)	81 Business travel, entertainment, & gifts.....	
41 Screw machine products, bolts, nuts, etc., & metal stampings.....	351	82 Office supplies.....	
42 Other fabricated metal products.....	352	83 Scrap, used & secondhand goods.....	
43 Engines & turbines.....	3531, 3532, 3533	<b>Special industries</b>	
44 Farm machinery & equipment.....		84 Government industry.....	
45 Construction, mining, oil field machinery & equipment.....		85 Rest of the world industry.....	
		86 Household industry.....	

A more complete discussion of the 1958 input-output study, with special emphasis on the technical and conceptual aspects, is contained in an unpublished document available upon request from the Office of Business Economics.

**Table 1.—Percent Distribution of Gross Output, 1958**  
(Producers' prices)

For the distribution of output of an industry  
read the row for that industry

	Total	Livestock & livestock products	Other agricultural products	Forestry & fishery products	Agricultural, forestry & fishery services	Iron & ferroalloy ores mining	Nonferrous metal ores mining	Coal mining	Crude petroleum & natural gas	Stone & clay mining & quarrying	Chemical & fertilizer mineral mining	New construction	Maintenance & repair construction	Ordnance & accessories	Food & kindred products	Tobacco manufactures	Broad & narrow fabrics, yarn & thread mills
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1. Livestock & Livestock Products.....	100.0	15.9	6.5	0	0.8	0	0	0	0	0	0	0	0	56.7	0	0.4	
2. Other Agricultural Products.....	100.0	28.1	3.0	.1	(*)	0	0	0	0	0	0	0	0	20.1	4.6	5.0	
3. Forestry & Fishery Products.....	100.0	0	0	1.1	0	0	0	0	0	0	0	0	0	18.0	0	0	
4. Agricultural, Forestry & Fishery Services.....	100.0	31.5	56.2	1.1	.1	0	0	0	0	0	0	0	0	0	0	0	
5. Iron & Ferroalloy Ores Mining.....	100.0	0	0	0	0	5.1	(*)	0	0	0	0	0	0	0	0	0	
6. Nonferrous Metal Ores Mining.....	100.0	0	0	0	0	1.6	17.5	0	0	0	0	0	0	0	0	0	
7. Coal Mining.....	100.0	.2	(*)	0	0	0	0	17.1	(*)	0	0	0	0	1.5	(*)	.6	
8. Crude Petroleum & Natural Gas.....	100.0	0	0	0	0	0	0	0	2.2	0	0	0	0	0	0	0	
9. Stone & Clay Mining & Quarrying.....	100.0	(*)	4.1	0	(*)	0	0	0	.1	0	.7	38.5	8.1	.2	0	0	
10. Chemical & Fertilizer Mineral Mining.....	100.0	0	5.0	(*)	0	0	0	(*)	0	5.9	0	0	0	1.5	0	.1	
11. New Construction.....	100.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12. Maintenance & Repair Construction.....	100.0	1.4	2.2	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	1.8	0	0	
13. Ordnance & Accessories.....	100.0	0	0	0	0	0	0	0	0	0	0	0	0	16.2	.1	(*)	
14. Food & Kindred Products.....	100.0	4.5	(*)	(*)	(*)	0	0	0	0	0	0	0	0	0	0	0	
15. Tobacco Manufactures.....	100.0	0	0	0	0	0	0	0	0	0	0	0	0	0	19.1	0	
16. Broad & Narrow Fabrics, Yarn & Thread Mills.....	100.0	0	.1	0	0	(*)	(*)	0	0	(*)	0	0	0	(*)	(*)	33.9	
17. Miscellaneous Textile Goods & Floor Coverings.....	100.0	.2	1.1	.5	.5	0	0	0	.1	(*)	0	.1	(*)	(*)	0	6.0	
18. Apparel.....	100.0	0	0	0	0	0	0	0	0	0	0	0	0	(*)	.3	0	
19. Miscellaneous Fabricated Textile Products.....	100.0	.4	1.5	0	0	0	0	0	0	0	0	0	0	4.4	0	.3	
20. Lumber & Wood Products, Except Containers.....	100.0	(*)	(*)	0	0	.1	(*)	.2	.1	(*)	(*)	38.9	5.0	(*)	(*)	(*)	
21. Wooden Containers.....	100.0	0	22.2	0	(*)	0	0	0	0	0	0	0	0	1.0	21.8	2.1	0
22. Household Furniture.....	100.0	0	0	0	0	0	0	0	0	0	0	9.0	0	0	0	0	
23. Other Furniture & Fixtures.....	100.0	0	0	0	0	0	0	0	0	0	0	13.7	1.1	0	0	0	
24. Paper & Allied Products, Except Containers.....	100.0	0	0	0	.1	(*)	(*)	0	.1	(*)	.1	3.1	.6	.1	3.5	.7	
25. Paperboard Containers & Boxes.....	100.0	.4	.1	.3	.2	0	0	(*)	(*)	(*)	0	0	.4	24.2	1.9	2.3	
26. Printing & Publishing.....	100.0	(*)	.1	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.1	(*)	.1	1.0	.1	
27. Chemicals & Selected Chemical Products.....	100.0	.3	9.4	(*)	(*)	.1	.3	.4	.4	.1	(*)	3.0	.6	.1	1.5	(*)	
28. Plastics & Synthetic Materials.....	100.0	0	0	0	0	0	0	0	0	0	0	0	0	.3	2.5	21.5	
29. Drugs, Cleaning, & Toilet Preparations.....	100.0	.4	0	0	0	(*)	(*)	0	(*)	(*)	(*)	0	0	2.4	.1	.4	
30. Paints & Allied Products.....	100.0	0	0	.1	0	(*)	(*)	(*)	(*)	.3	0	10.5	46.9	.1	.3	(*)	
31. Petroleum Refining & Related Industries.....	100.0	.3	5.0	.1	(*)	.1	(*)	.1	.3	.3	(*)	5.5	2.1	.1	1.6	(*)	
32. Rubber & Miscellaneous Plastics Products.....	100.0	.3	2.3	.1	(*)	(*)	.1	.3	.5	.4	(*)	4.5	1.0	.6	2.1	.1	
33. Leather Tanning & Industrial Leather Products.....	100.0	0	0	0	0	0	0	0	0	0	0	0	0	0	(*)	.2	
34. Footwear & Other Leather Products.....	100.0	(*)	.1	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	
35. Glass & Glass Products.....	100.0	.2	0	0	0	0	0	0	0	0	0	3.9	3.7	.2	27.5	0	
36. Stone & Clay Products.....	100.0	(*)	.3	0	0	(*)	0	.1	.1	.1	(*)	53.7	7.2	.2	(*)	(*)	
37. Primary Iron & Steel Manufacturing.....	100.0	0	0	0	0	0	0	.1	(*)	.1	(*)	11.5	1.4	.3	(*)	0	
38. Primary Nonferrous Metals Manufacturing.....	100.0	(*)	(*)	0	0	(*)	(*)	.1	.2	.1	(*)	8.6	2.8	.2	.4	.1	
39. Metal Containers.....	100.0	.2	.7	0	0	0	0	0	0	0	0	0	0	72.8	.4	0	
40. Heating, Plumbing & Structural Metal Products.....	100.0	0	0	0	0	(*)	(*)	(*)	(*)	.1	(*)	64.5	10.9	0	0	0	
41. Stampings, Screw Machine Products & Bolts.....	100.0	.6	0	0	0	(*)	(*)	.4	.2	(*)	(*)	2.4	.6	.8	4.7	(*)	
42. Other Fabricated Metal Products.....	100.0	.4	.6	(*)	.1	(*)	(*)	.2	.8	(*)	(*)	13.3	.8	.7	1.3	.1	
43. Engines & Turbines.....	100.0	0	0	0	0	(*)	(*)	0	.7	(*)	(*)	.1	(*)	.2	0	0	
44. Farm Machinery & Equipment.....	100.0	.2	7.6	0	0	0	0	0	0	0	0	0	0	0	0	0	
45. Construction, Mining, & Oil Field Machinery.....	100.0	0	0	0	0	.8	.9	3.2	1.3	2.5	.5	.5	.7	0	0	0	
46. Materials Handling Machinery & Equipment.....	100.0	0	0	0	0	(*)	(*)	1.0	0	2.1	.3	22.8	.8	0	0	0	
47. Metalworking Machinery & Equipment.....	100.0	0	0	0	0	(*)	(*)	.3	(*)	(*)	(*)	(*)	1.4	.4	(*)	.1	
48. Special Industry Machinery & Equipment.....	100.0	0	0	0	0	(*)	(*)	0	.4	0	0	0	0	0	0	2.5	
49. General Industrial Machinery & Equipment.....	100.0	0	0	0	0	(*)	(*)	.1	2.1	.1	(*)	7.3	.5	.7	(*)	(*)	
50. Machine Shop Products.....	100.0	.1	.2	0	0	(*)	(*)	(*)	(*)	(*)	(*)	.2	(*)	23.2	.1	(*)	
51. Office, Computing & Accounting Machines.....	100.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
52. Service Industry Machines.....	100.0	0	0	0	0	0	0	0	0	0	0	8.7	1.0	0	0	0	
53. Electric Industrial Equipment & Apparatus.....	100.0	0	0	0	0	0	0	.1	0	0	0	5.7	1.5	0	0	0	
54. Household Appliances.....	100.0	0	0	0	0	0	0	0	0	0	0	34.6	5.4	2.3	1.0	(*)	
55. Electric Lighting & Wiring Equipment.....	100.0	(*)	(*)	0	0	(*)	(*)	.2	(*)	(*)	(*)	.2	(*)	.1	(*)	.1	
56. Radio, Television & Communication Equipment.....	100.0	0	0	0	0	(*)	0	0	0	0	0	.6	.4	2.4	0	0	
57. Electronic Components & Accessories.....	100.0	0	0	0	0	0	0	0	.4	0	0	.1	(*)	.1	0	0	
58. Misc. Electrical Machinery, Equipment & Supplies.....	100.0	.5	1.4	0	0	(*)	(*)	(*)	(*)	.1	(*)	.9	.3	.2	(*)	(*)	
59. Motor Vehicles & Equipment.....	100.0	.1	.1	0	0	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	0	0	0	
60. Aircraft & Parts.....	100.0	0	0	0	0	0	0	0	0	0	0	0	4.8	0	0	0	
61. Other Transportation Equipment.....	100.0	0	.1	.5	0	.1	0	.3	0	(*)	(*)	.1	0	0	0	0	
62. Scientific & Controlling Instruments.....	100.0	0	0	0	0	(*)	(*)	(*)	0	(*)	(*)	5.3	.4	2.4	(*)	0	
63. Optical, Ophthalmic & Photographic Equipment.....	100.0	(*)	0	0	0	(*)	(*)	0	(*)	(*)	(*)	(*)	(*)	0	0	0	
64. Miscellaneous Manufacturing.....	100.0	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.1	(*)	(*)	1.5	.9	.1	.5	.3	
65. Transportation & Warehousing.....	100.0	1.5	.8	(*)	(*)	.1	(*)	.1	.2	(*)	(*)	5.3	.9	.1	7.5	.2	
66. Communications: Except Radio & T.V. Broadcasting.....	100.0	.6	.8	(*)	.1	(*)	(*)	(*)	(*)	(*)	(*)	1.2	.2	.2	1.7	(*)	
67. Radio & T.V. Broadcasting.....	100.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
68. Electric, Gas, Water & Sanitary Services.....	100.0	.5	.8	(*)	(*)	.1	(*)	.3	.4	.2	.1	.7	.1	.1	1.8	(*)	
69. Wholesale & Retail Trade.....	100.0	1.0	1.0	(*)	(*)	(*)	(*)	.1	.1	(*)	(*)	5.2	1.4	.1	2.4	.1	
70. Finance & Insurance.....	100.0	.7	1.1	.1	(*)	(*)	.1	.4	.1	(*)	(*)	1.6	.2	.1	1.3	(*)	
71. Real Estate & Rental.....	100.0	.5	2.9	.1	(*)	.1	(*)	.1	2.3	.1	(*)	.3	.1	(*)	.5	(*)	
72. Hotels, Personal & Repair Services Exc. Auto.....	100.0	0	0	0	0	(*)	(*)	(*)	(*)	(*)	(*)	0	0	0	.3	(*)	
73. Business Services.....	100.0	.2	3.2	.4	(*)	(*)	(*)	.1	1.4	.1	(*)	10.5	.2	.2	6.6	1.1	
74. Research & Development.....	100.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(*)	
75. Automobile Repair & Services.....	100.0	.8	.6	0	0	0	0	0	.2	(*)	0	3.3	.3	0	3.6	(*)	
76. Amusements.....	100.0	0	0	0	0	(*)	(*)	(*)	(*)	(*)	(*)	0	0	(*)	(*)	(*)	
77. Medical, Educational Services, & Non-Profit Organizations.....	100.0	.6	.1	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.3	(*)	.3	(*)	.1	
78. Federal Government Enterprises.....	100.0	.1	.1	(*)	(*)	(*)	(*)	(*)	.1	(*)	(*)	0	0	.1	.7	.3	
79. State & Local Government Enterprises.....	100.0	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.1	(*)	(*)	.3	(*)	.6	(*)	.1	
80A. Directly Allocated Imports <sup>1</sup> .....	100.0	.1	2.4	0	(*)	(*)	(*)	(*)	.1	(*)	(*)	0	0	0	14.7	(*)	
80B. Transferred Imports <sup>1</sup> .....	100.0	1.8	2.7	2.5	0	3.2	2.2	(*)	8.6	.9	.5	0	0	.1	10.4	.2	
81. Business Travel, Entertainment, & Gifts.....	100.0	.3	.4	(*)	(*)	.1	(*)	.2	1.0	.1	.1	3.4	.6	1.4	5.2	.2	
82. Office Supplies.....	100.0	.1	.2	(*)	(*)	(*)	(*)	(*)	.2	(*)	(*)	1.0	.2	.4	2.0	.1	

**Table 1.—Percent Distribution of Gross Output, 1958—Continued**

### (Producers' prices)

**Table 1.—Percent Distribution of Gross Output, 1958—Continued**  
(Producers' prices)

\*Less than .05 percent. Not applicable

<sup>1</sup> For this table, industry 80 is split into two rows. Row 80A shows the direct allocation to consuming industries of imported goods and services which are not substitutable for do-

mestically produced goods and services. It also shows the distribution to final demand categories of all imported goods and services which are consumed by final demand substantially the same form in which they were imported. 48 percent of total imports have been

Table 1.—Percent Distribution of Gross Output, 1958—Continued  
(Producers' Prices)

69	Wholesale & retail trade												Final Demand												Industry number																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Finance & insurance			Real estate & rental			Business services			Research & development			Automobile repair & services			Amusements			Medical, educational services & nonprofit org.			Federal Government enterprises			State & local government enterprises			Gross imports of goods & services			Business travel, entertainment & gifts			Office supplies			Scrap used, & secondhand goods			Government industry			Rest of the world industry			Household industry			Personal consumption expenditures			Gross private fixed capital formation			Net inventory change			Gross exports			Federal Government purchases			State & local government purchases			Transfers to other industries																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
70	71	72	73	74	75	76	77	78	79	80A & 80B	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	8010	8011	8012	8013	8014	8015	8016	8017	8018	8019	8020	8021	8022	8023	8024	8025	8026	8027	8028	8029	8030	8031	8032	8033	8034	8035	8036	8037	8038	8039	8040	8041	8042	8043	8044	8045	8046	8047	8048	8049	8050	8051	8052	8053	8054	8055	8056	8057	8058	8059	8060	8061	8062	8063	8064	8065	8066	8067	8068	8069	8070	8071	8072	8073	8074	8075	8076	8077	8078	8079	8080	8081	8082	8083	8084	8085	8086	8087	8088	8089	8090	8091	8092	8093	8094	8095	8096	8097	8098	8099	80100	80101	80102	80103	80104	80105	80106	80107	80108	80109	80110	80111	80112	80113	80114	80115	80116	80117	80118	80119	80120	80121	80122	80123	80124	80125	80126	80127	80128	80129	80130	80131	80132	80133	80134	80135	80136	80137	80138	80139	80140	80141	80142	80143	80144	80145	80146	80147	80148	80149	80150	80151	80152	80153	80154	80155	80156	80157	80158	80159	80160	80161	80162	80163	80164	80165	80166	80167	80168	80169	80170	80171	80172	80173	80174	80175	80176	80177	80178	80179	80180	80181	80182	80183	80184	80185	80186	80187	80188	80189	80190	80191	80192	80193	80194	80195	80196	80197	80198	80199	80200	80201	80202	80203	80204	80205	80206	80207	80208	80209	80210	80211	80212	80213	80214	80215	80216	80217	80218	80219	80220	80221	80222	80223	80224	80225	80226	80227	80228	80229	80230	80231	80232	80233	80234	80235	80236	80237	80238	80239	80240	80241	80242	80243	80244	80245	80246	80247	80248	80249	80250	80251	80252	80253	80254	80255	80256	80257	80258	80259	80260	80261	80262	80263	80264	80265	80266	80267	80268	80269	80270	80271	80272	80273	80274	80275	80276	80277	80278	80279	80280	80281	80282	80283	80284	80285	80286	80287	80288	80289	80290	80291	80292	80293	80294	80295	80296	80297	80298	80299	80300	80301	80302	80303	80304	80305	80306	80307	80308	80309	80310	80311	80312	80313	80314	80315	80316	80317	80318	80319	80320	80321	80322	80323	80324	80325	80326	80327	80328	80329	80330	80331	80332	80333	80334	80335	80336	80337	80338	80339	80340	80341	80342	80343	80344	80345	80346	80347	80348	80349	80350	80351	80352	80353	80354	80355	80356	80357	80358	80359	80360	80361	80362	80363	80364	80365	80366	80367	80368	80369	80370	80371	80372	80373	80374	80375	80376	80377	80378	80379	80380	80381	80382	80383	80384	80385	80386	80387	80388	80389	80390	80391	80392	80393	80394	80395	80396	80397	80398	80399	80400	80401	80402	80403	80404	80405	80406	80407	80408	80409	80410	80411	80412	80413	80414	80415	80416	80417	80418	80419	80420	80421	80422	80423	80424	80425	80426	80427	80428	80429	80430	80431	80432	80433	80434	80435	80436	80437	80438	80439	80440	80441	80442	80443	80444	80445	80446	80447	80448	80449	80450	80451	80452	80453	80454	80455	80456	80457	80458	80459	80460	80461	80462	80463	80464	80465	80466	80467	80468	80469	80470	80471	80472	80473	80474	80475	80476	80477	80478	80479	80480	80481	80482	80483	80484	80485	80486	80487	80488	80489	80490	80491	80492	80493	80494	80495	80496	80497	80498	80499	80500	80501	80502	80503	80504	80505	80506	80507	80508	80509	

**Table 2.—Direct Requirements Per Dollar of Gross Output, 1958**  
(Producers' prices)

	Livestock & live-stock products	Other agricultural products	Forestry & fishery products	Agricultural, forestry & fishery services	Iron & ferroalloy ores mining	Nonferrous metal ores mining	Coal mining	Crude petroleum & natural gas	Stone & clay mining & quarrying	Chemical & fertilizer mineral mining	New construction	Maintenance & repair construction	Ordnance & accessories	Food & kindred products	Tobacco manufactures	Broad & narrow fabrics, yarn & thread mills	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1. Livestock & Livestock Products	0.16093	0.07268	0.05163	0.13924	0	0	0	0	0	0	0	0	0.24959	0	0.00957		
2. Other Agricultural Products	.25033	.03017	.11284	.35129	0	0	0	0	0	.00452	0	0	.07365	.18322	.10827		
3. Forestry & Fishery Products	0	0	.01102	0	0	0	0	0	0	0	0	0	.00424	0	0		
4. Agricultural, Forestry & Fishery Services	.01868	.03744	.01203	.00105	0	0	0	0	0	0	0	0	0	0	0		
5. Iron & Ferroalloy Ores Mining	0	0	0	0	.05144	.00966	0	0	.00025	.00063	0	0	0	0	0		
6. Nonferrous Metal Ores Mining	0	0	0	0	.03217	.17547	0	0	.00059	.00053	0	0	0	0	0		
7. Coal Mining	.00023	.00002	0	0	.00375	.00096	.17116	.00002	.00162	.00083	(* )	0	0	.00062	.00023	.00144	
8. Crude Petroleum & Natural Gas	0	0	0	0	0	0	0	0	.02225	0	.00213	(* )	0	0	0	0	
9. Stone & Clay Mining & Quarrying	.00003	.00284	0	(* )	0	.00006	.00051	0	.00727	.01642	.01193	.00777	0	.00006	0	0	
10. Chemical & Fertilizer Mineral Mining	0	.00121	.00005	0	0	.00092	.00002	0	.00041	.05875	0	0	0	.00013	0	.00007	
11. New Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12. Maintenance & Repair Construction	.00888	.01607	.00223	.00127	.00053	.00092	.00088	.00039	.00122	.00059	.00013	.00006	.00162	.00358	.00005	.00064	
13. Ordnance & Accessories	0	0	0	0	0	0	0	0	0	0	.00010	0	.01779	0	0	0	
14. Food & Kindred Products	.11187	.00012	.01706	.00482	0	0	0	0	0	.00010	.00032	0	0	.16716	.00595	.00216	
15. Tobacco Manufactures	0	0	0	0	0	0	0	0	0	0	0	0	0	.00001	.19102	0	
16. Broad & Narrow Fabrics, Yarn & Thread Mills	0	.00030	0	0	.00012	.00138	.00067	0	0	.00033	0	0	0	.00012	.00019	.34664	
17. Miscellaneous Textile Goods & Floor Coverings	.00022	.00113	.00801	.00761	0	0	0	.00020	.00003	0	.00007	.00006	.00010	.00001	.02289	0	
18. Apparel	0	0	0	0	0	0	0	0	0	0	0	0	0	.00058	.00060	.00152	
19. Miscellaneous Fabricated Textile Products	.00031	.00149	0	0	0	0	0	0	0	0	.00001	.00004	0	.00153	.00013	0	
20. Lumber & Wood Products, Except Containers	.00007	.00007	0	0	.00482	.00101	.00683	.00053	.00002	.00041	.06258	.02476	.00024	.00006	.00022	.00012	
21. Wooden Containers	0	.00427	0	.00005	0	0	0	0	0	0	0	0	.00096	.00151	.00156	0	
22. Household Furniture	0	0	0	0	0	0	0	0	0	.00566	0	.00062	0	0	.00002	0	
23. Other Furniture & Fixtures	0	0	0	0	0	0	0	0	0	.00390	.00098	0	0	0	(* )	0	
24. Paper & Allied Products, Except Containers	0	0	.00564	.00126	.00002	.00039	.00230	.00042	.00836	.00528	.00617	.00404	.0148	.00571	.01172	.00153	
25. Paperboard Containers & Boxes	.00053	.00011	.00649	.00393	0	0	.00054	.00005	.00186	.00089	0	0	.00341	.01353	.01182	.00780	
26. Printing & Publishing	.00019	.00031	.00006	.00002	.00004	.00031	.00027	.00008	.00031	.00005	.00015	.00007	.00202	.00189	.00217	.00076	
27. Chemicals & Selected Chemical Products	.00130	.04878	.00012	.00020	.01052	.03161	.01593	.00449	.01080	.03173	.00700	.00419	.00225	.00338	.00087	.01528	
28. Plastics & Synthetic Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	.00022	.01773	.04865	
29. Drugs, Cleaning, & Toilet Preparations	.00109	0	0	0	.00003	(* )	.00008	0	.00007	.00012	.00018	0	0	.00060	.00326	.00127	.00214
30. Paints & Allied Products	0	0	.00128	0	.00001	.00015	.00032	.00046	0	0	.00375	.05211	0	.00009	.00002	.00034	
31. Petroleum Refining & Related Industries	.00182	.03829	.01302	.00169	.00832	.00623	.01100	.00473	.02795	.00957	.01882	.02222	.00218	.00436	.00045	.00239	
32. Rubber & Miscellaneous Plastics Products	.00080	.00664	.00591	.00117	.00051	.00287	.00826	.00287	.01808	.00479	.00594	.00391	.02422	.00222	.00165	.00395	
33. Leather Tanning & Industrial Leather Products	0	0	0	0	0	0	0	0	0	0	0	0	0	(* )	.00004	.00016	
34. Footwear & Other Leather Products	.00003	.00016	.00001	(* )	(* )	(* )	(* )	(* )	(* )	.00001	.00001	(* )	(* )	(* )	(* )	.00003	
35. Glass & Glass Products	.00013	0	0	0	0	0	0	.00004	0	0	.00163	.00483	.00091	.00929	0	.00215	
36. Stone & Clay Products	.00004	.00107	0	0	.00065	.00465	.00228	.00036	.06233	.00051	.07793	.03247	.00272	.00004	.00001	.00018	
37. Primary Iron & Steel Manufacturing	0	0	0	0	.01496	.03873	.00826	.00027	.01375	.01845	.04246	.01622	.01321	.00002	0	.00036	
38. Primary Nonferrous Metals Manufacturing	.00004	.00003	0	0	.00148	.00486	.00602	.00066	.0109	.03222	.01658	.01608	.04822	.00085	.00115	.00023	
39. Metal Containers	.00020	.00063	0	0	0	0	0	0	0	0	0	0	.02341	.01303	0	0	
40. Heating, Plumbing & Structural Metal Products	0	0	0	0	.00094	.00035	.00038	.00057	.00001	.00018	.00906	.05223	.00193	0	0	.00005	
41. Stampings, Screw Machine Products & Bolts	.00083	0	0	0	.00023	.00045	.00571	.00052	.00014	.00076	.00168	.00124	.00662	.00268	.00006	.00011	
42. Other Fabricated Metal Products	.00110	.00164	.00048	.00577	.00070	.00103	.00510	.00463	.00058	.00088	.01658	.00309	.01029	.00131	.00150	.00082	
43. Engines & Turbines	0	0	.00009	0	.00031	.00040	0	.00137	(* )	.00030	.00004	.00002	.00103	0	0	0	
44. Farm Machinery & Equipment	.00019	.00834	0	0	.01929	.02190	.03625	.00364	.04664	.02620	.00325	.00126	.00043	0	0	0	
45. Construction, Mining & Oil Field Machinery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
46. Materials Handling Machinery & Equipment	0	0	0	0	.00002	.00011	.00399	0	.01402	.00531	.00477	.00049	.00001	0	0	0	
47. Metalworking Machinery & Equipment	0	0	0	0	.00006	.00054	.00355	(* )	.00007	.00002	.00001	.01117	.00021	.00006	.00020	.00584	
48. Special Industry Machinery & Equipment	0	0	0	0	0	0	0	.00083	0	0	0	0	.00115	(* )	0	.00001	
49. General Industrial Machinery & Equipment	0	0	0	0	.00018	.00179	.00175	.00740	.00321	.00143	.00521	.00111	.00634	.00003	.00003	.00011	
50. Machine Shop Products	.00007	.00012	0	0	.00006	.00007	.00020	.00007	.00031	.00018	.00005	.00002	.07969	.00001	.00002	.00002	
51. Office, Computing & Accounting Machines	0	0	0	0	0	0	0	0	0	0	0	0	.00086	0	0	0	
52. Service Industry Machines	0	0	0	0	0	0	0	0	0	0	0	.00374	.0129	.00394	(* )	0	
53. Electric Industrial Equipment & Apparatus	0	0	0	0	.00062	.00364	.00207	.00305	.00183	.00500	.00809	.00467	.02192	.00012	.00001	.00005	
54. Household Appliances	0	0	0	0	0	0	0	0	0	0	0	.00392	.00354	.00210	0	0	
55. Electric Lighting & Wiring Equipment	.00003	.00004	.00007	0	.00030	.00038	.00151	.00008	.00008	.00005	.01517	.00729	.01176	.00034	.00010	.00025	
56. Radio, Television & Communication Equipment	0	0	0	0	.00101	0	0	0	0	0	0	.00070	.0128	.03435	0	0	
57. Electronic Components & Accessories	0	0	0	0	0	0	0	0	0	0	0	.00004	.00001	.00071	0	0	
58. Misc. Electrical Machinery, Equipment & Supplies	.00028	.00090	0	0	.00019	.00013	.00010	.00010	.00017	.00010	.00028	.00029	.00029	.00006	.00001	.00001	
59. Motor Vehicles & Equipment	.00090	.00146	0	0	.00044	.00075	.00206	.00083	.00372	.00223	.00002	.00001	.00428	0	0	0	
60. Aircraft & Parts	0	0	0	0	0	0	0	0	0	0	0	0	.20606	0	0	0	
61. Other Transportation Equipment	0	.00013	.01408	0	.00197	0	.00418	0	.00017	.00036	.00005	0	.00353	0	0	0	
62. Scientific & Controlling Instruments	0	0	0	0	.00016	.00032	.00005	.00005	.00020	.00018	.00365	.00094	.02252	(* )	0	.00002	
63. Optical, Ophthalmic & Photographic Equipment	0	0	0	0	.00005	.00006	.00002	(* )	.00006	.00006	(* )	(* )	.00070	0	0	.00002	
64. Miscellaneous Manufacturing	.00004	.00002	.00158	.00032	.00001	.00001	.00143	.00004	.00037	.00021	.00160	.00287	.00256	.00047	.00110	.00153	
65. Transportation & Warehousing	.01977	.01246	.01606	.00699	.00509	.03528	.00748	.02578	.01610	.06426	.03448	.01766	.01074	.04028	.01220	.02457	
66. Communications; Except Radio & T.V. Broadcasting	.00202	.00308	.00223	.00417	.00129	.00149	.00072	.00022	.00167	.00194	.00207	.00107	.00444	.00244	.00039	.00159	
67. Radio & T.V. Broadcasting	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
68. Electric, Gas, Water & Sanitary Services	.00346	.00735	.00032	.00075	.01361	.02252	.02361	.00723	.02419	.04294	.00286	.0148	.03078	.00546	.00095	.01081	
69. Wholesale & Retail Trade	.03550	.04386	.01685	.00281	.01770	.02727	.03460	.01264	.03824	.02673	.00467	.08170	.02955	.03691	.01353	.03534	
70. Finance & Insurance	.00716	.01220	.02041	.00333	.00489	.01289	.00990	.00997									

**Table 2.—Direct Requirements Per Dollar of Gross Output, 1958—Continued**  
 (Producers' prices)

Table 2.—Direct Requirements Per Dollar of Gross Output, 1958—Continued

(Producers' prices)

For industrial composition of input into an industry, read the column for that industry	Direct Requirements Per Dollar of Gross Output, 1958—Continued																						
	Heating, plumbing & structural metal products			Stampings, screw machine products & bolts			Other fabricated metal products			Engines & turbines			Farm machinery & equipment			Construction, mining & oil field machinery			Materials handling machinery & equipment				
	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	0	0	0	0	0	0.00121	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	0	0	0	0	0	0	0	0	0.00016	0	0	0	0	0	0.00063	0	0	0	0.00125	0	0	0	
6	0	.00022	0.00036	.00026	0	0.00102	0.00092	0.00066	0	0	0.00001	0.00020	0.00013	0	0.00033	0.00032	0.00033	0	0.00145	0	0.00102	0	
7	0	.00022	0.00036	.00027	0.00027	0.00092	0.00066	0	0	0	0.00001	0.00020	0.00013	0	0.00033	0.00032	0.00029	0.00016	0	0.00063	0.00018	0.00069	
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	0	.00018	0	.00017	0	0.0016	0.00012	0	0	0	0	0.0243	0	0.00003	0	0	0	0	0	0.00017	0.00001	0.00007	
10	0	0	0	.00004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	0.0091	0.0064	0.0055	0.0032	0.00070	0.00023	0.00032	0.00211	0.00095	0.0116	0.0407	0.0072	0.0120	0.0131	0.0063	0.0006	0.0138	0.0075	0.0006	0.0303	0.0178	0.0036	
13	0.0012	0.0067	0.0019	0	0.0253	0.00032	0	0.00027	0.0079	0.0013	0.0004	0.0111	0	0.0130	0.00001	0	0.0242	0.00830	0	0.0026	0.0150	0	
14	0	0	0	0.0003	0	0.0006	0	0.0009	0	0	0.0039	0	0	0	0.0009	0	0.00001	0	0	0	(*)	0	
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16	.00024	.00008	.00083	.00009	.00006	.00008	.00148	0	.00126	.00056	(*)	.00006	.00011	.00029	.00253	0	.00024	0	.00033	.00215	.00015	.00060	
17	.0004	.0011	.00111	.00021	0	0	0	0	0	0	0	0	0	0	0	.00030	.00007	.00001	0	.00381	.00049	.00071	
18	.0089	.00105	.00103	.00069	.00070	.00075	.00072	.00108	.000100	.00093	.00130	.00084	.00071	.00090	.00071	.00097	.00133	.00092	.00044	.00089	.00107	0	
19	.00031	.00013	.00002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.00051	0	.00042	0	
20	.0235	.00509	.00799	.00027	.00351	.00124	.00076	.00138	.00553	.00143	0	.00053	.00326	.00126	.00159	.00123	.00179	.00026	.00002	.00054	.00170	.02396	
21	.00100	.00047	.00079	0	.00029	0	.00001	(*)	.00014	.00006	0	.00033	.00508	.00003	.00570	0	0	0	.00002	0	0	0	
22	.00099	.00027	.00122	0	.00004	.00016	0	.00003	.00005	.00035	0	.00011	0	.00017	.00001	.00001	.00236	.00538	0	.00008	0	.00673	
23	.00161	.00013	.00100	0	.00060	0	.00046	(*)	.00002	.00013	(*)	.00022	.00067	(*)	.00028	(*)	.00001	.00002	.0019	.00169	.00419	0	
24	.00183	.00446	.00380	.00111	.00058	.00091	.00064	.00001	.00212	.00274	.00008	.00668	.00393	.00780	.00150	.00277	.00442	.01178	.00127	.00355	.0039	.0166	
25	.00393	.00916	.00526	.00477	.00212	.00087	.00036	.00028	.00030	.00165	0	.00172	.00830	.00387	.00962	.01764	.00517	.00555	.00696	.00104	.00074	.00033	
26	.00053	.00142	.00249	.00147	.00045	.00042	.00056	.00008	.00996	.00054	.00018	.00322	.00025	.00117	.00064	.00382	.00144	.00055	.00021	.00052	.00080	.00449	
27	.00246	.00323	.00964	.00006	.00096	.00091	0	.00096	.00210	.00177	(*)	.0036	.00377	.00509	.00546	.00102	.01145	.02117	.00175	.00123	.00223	0	
28	.00032	.00399	.00093	.00065	.00015	.00047	.00048	.00044	.00722	.00272	0	.00114	.00100	.00683	.00259	.01856	.00691	.00765	.00552	.0112	.00607	.00716	
29	.00026	.00065	.00031	.00044	.00058	.00051	.00068	.00040	.00699	.00042	.00061	.00020	.00685	.00011	.00018	.00017	.00033	.00006	.00007	.00079	.00040	.00060	
30	.00267	.00495	.00159	.00119	.00380	.00145	.00249	0	.00005	.00032	.00067	0	.00096	.00496	.00286	.00577	.00444	.00063	.00001	.00379	.00081	.00786	
31	.00528	.00633	.00444	.00397	.00381	.00439	.00331	.00500	.00560	.00370	.00999	.00148	.00295	.00310	.00128	.00180	.00123	.00159	.00137	.00203	.00238	.00432	
32	.00137	.00653	.00699	.00487	.03222	.01501	.01864	.0390	.01234	.0411	.0176	.01061	.01158	.00720	.03265	.01529	.00980	.00664	.04595	.02788	.00620	.00878	
33	.00013	.00012	.00009	.00014	.00104	.00013	.00010	.00007	.00121	.00205	.00032	.00010	.00014	.00011	.00024	.00016	.00018	.00005	.00007	.00028	0	.00043	
34	.00001	.00028	.00008	.00001	.00001	.00001	.00001	.00008	.00001	.00001	.00126	.00002	.00001	.00012	.00016	.00001	.00002	.00001	(*)	.00001	.00001	.00053	
35	.00372	.00101	.00025	.00053	.00011	.00003	.00014	.00005	.00005	.00005	.00002	.00076	.00088	.02885	.0452	.03181	.00064	.01001	.00013	.00003	.00053	0	
36	.00621	.00773	.00697	.00651	.00540	.00578	.00374	.00730	.00431	.00919	.01724	.00264	.00593	.00776	.00779	.00666	.00314	.00694	.00928	.00271	.00374	.00813	
37	.23837	.19912	.1047	.10275	.1047	.14289	.15395	.10716	.07549	.08821	.10647	.07914	.2183	.06384	.05731	.07644	.06742	.00921	.02027	.02870	.0543	.03179	.11697
38	.07282	.06477	.0676	.03278	.07475	.00715	.01153	.02902	.04426	.02822	.07672	.01846	.05072	.07156	.04249	.05161	.01942	.04481	.01043	.04863	.01113	.02822	.01809
39	.00041	.00350	.00072	0	0	.00004	(*)	.00002	.00001	.00001	0	.00001	.00001	.00001	.00001	.00001	.00001	.00001	.00001	.00001	.00001	.00001	
40	.02260	.00792	.00871	0	.00118	.00234	.01574	.00104	.00371	.01074	.01837	.00002	.02311	.00282	.01575	.00229	.00064	.00045	.00002	.00099	.00061	.04525	
41	.01924	.04022	.01964	.02210	.03124	.01038	.01730	.02645	.01243	.01110	.00510	.01087	.03507	.01481	.05362	.02725	.01852	.02329	.02403	.03019	.01925	.04867	
42	.03146	.02639	.04180	.00257	.00205	.00197	.02095	.01641	.01907	.02087	.00588	.02636	.00835	.03308	.01739	.01186	.01348	.00452	.03506	.01027	.02078	0	
43	.00396	.00107	.00107	.00282	.04688	.02688	.01388	.00180	.00049	.01290	.00499	.00156	.01571	0	0	0	0	.00116	.00369	.00155	.03004	0	
44	.00174	.00108	.00102	.01360	.03955	.01754	.00446	.00153	.00275	.00213	.00602	.00002	.00044	.00019	.00001	.00001	.00001	.00001	.00064	.00102	.00016	.0502	
45	.00298	.00027	.00297	.00275	.01244	.05928	.04916	.00190	.00733	.00312	.00001	.00110	.00001	.00001	.00001	.00001	.00001	.00001	.00141	.00043	.00016	.0524	
46	.00099	.00027	.00034	.00005	.00005	.00005	.00005	.00005	.00005	.00005	.00005	.00005	.00005	.00005	.00005	.00005	.00005	.00005	.00005	.00005	.00005		
47	.00544	.01135	.02609	.01678	.01715	.01695	.01590	.05924	.02285	.01773	.01792	.00916	.02925	.01152	.00774	.00559	.00457	.00574	.01394	.01095	.01933	.00510	
48	.00361	.00051	.00249	.00113	.0273	.01763	.00154	.02225	.00009	.00041	.00624	.00531	.00281	.01113	.00002	.00001	.00033	.00002	.00024	.00043	.00002	.00206	
49	.00148	.00070	.00818</																				

Table 2.—Direct Requirements Per Dollar of Gross Output, 1958—Continued

(Producer's prices)

Scientific & controlling instruments	Optical, ophthalmic & photographic equipment	Miscellaneous manufacturing	Transportation & warehousing	Communications; except radio & T.V. broadcasting	Radio & T.V. broadcasting	Electric, gas, water & sanitary services	Wholesale & retail trade	Finance & insurance	Real estate & rental	Hotels; personal & repair services exc. auto.	Business services	Research & development	Automobile repair & services	Amusements	Medical, educational services & nonprofit org.	Federal government enterprises	State & local government enterprises	Gross imports of goods & services	Business travel, entertainment & gifts	Office supplies	Industry number				
62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82					
0	0	0	0.00005	0	0	0	0	0	0.01441	0	0	0	0	0.00193	0.00020	0.00042	0	0	0.00414	0	1				
0	0	0.00132	0.00101	0	0	0	0	0	0.02188	0	0	0	0	0	0.00023	0.15143	0	0	0.00997	0	2				
0	0	0.00052	0.0004	0	0	0	0	0	0.00020	0	0	0	0	0	0	0	0	0	0.00232	0	3				
0	0	0	0	0	0	0	0	0	0.00161	0	0	0	0	0	0.00055	0	0	0.00012	0	0	4				
0	0	0	0	0	0	0	0	0	0.00008	0	0	0	0	0	0	0.00043	0	0	0	0	0	5			
0	0.00041	0	0	0	0	0	0.00014	(*)	0	0.00008	0	0	0	0	0	0	0	0	0	0	0	6			
0	0.00152	0.00014	0.00078	0	0	0.02689	0.00004	0.00023	0.00017	0	0.00123	0	0.00133	0	0	0.00001	0.01140	0.01657	0	0.00417	0	7			
0	0	0	0	0.05747	0	0	0.0001	0.00009	0.00195	0	0	0.00009	0	0	0	0	0	0	0	0	0	8			
0	0.00003	0	0.00007	0.00004	0	0	0.00001	0.00004	0.00013	0	0	0	0	0	0	0	0	0.00010	0	0	9				
0	0	0.00001	0.00003	0	0	0	(*)	(*)	0.00002	0	0	0	0	0	0	0	0	0	0	0	0	10			
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11			
0.00015	0.00032	0.0280	0.03660	0.03153	0.00517	0.02715	0.00814	0.00452	0.09529	0.00288	0.00090	0	0.01368	0.02242	0.02997	0.00345	0.24917	0	0	0	12				
0.2839	0.00124	0.00009	0	0	0	0.00001	0.00009	0	0.00006	0	0	0	0	0	0	0	0	0.00069	0	0	13				
0.00320	0	0.0141	0.0293	0	0	0.00002	0.00556	0	0.00101	0.00108	0	0	0.00075	0	0	0.00747	0.06319	0.00011	0	0.29692	0	14			
0	0.00011	0	0	0	0	0.00001	0.00003	0	0.00003	0	0	0	0	0	0	0.00001	0	0	0.02149	0	0	15			
0.00764	0.0051	0.01767	0.00020	0.00037	0	0.00009	0.00010	0	0.00026	0.01028	0	0.00019	0	0	0	0.00011	0	0	0	0	0	16			
0.00174	0.0030	0.0622	0.0046	0.00038	0.00113	(*)	0.0025	0.00080	0.0009	0.0191	0.00057	0.00051	0.00205	0.00057	0.00100	0	0.00045	0	0	0	0	0	17		
0.0269	0.0082	0.0155	0.0013	0	0	0	0.0055	0.00001	0.0042	0.0794	0.0018	0.00027	0.00104	0	0.0168	0	0.00035	0	0.00098	0	0	18			
0.00035	0	0.0123	0.00044	0.00055	0.00166	0	0.0041	0.00118	0.00005	0.01066	0.00089	0.00048	0.00232	0.00097	0.0151	0.00049	0	0	0	0	0	19			
0.00075	0.00007	0.01785	0.00027	0.00002	0	0.00013	0.00061	0	0.00038	0.00041	0	0	0	0	0	0.00014	0	0.00001	0.00025	0	0	20			
0.0029	0	0.0034	0.0051	0	0	0	0.00096	0	0.00003	0	0	0	0	0	0	0	0	0	0	0	0	21			
0.0061	0	0.0027	0	0	0	0	(*)	0.0013	0	0.00005	0.00091	0	0	0	0	0	0	0	0	0	0	22			
0.0360	(*)	0.00090	0	0	0	0	0.0014	0	0.00002	0.0028	0	0	0	0	0	0	0	0	0	0	0	23			
0.0484	0.0145	0.02117	0.00098	0	0.00535	0.00080	0.0482	0.00384	0.0017	0.01196	0.00269	0.00127	0.00041	0.00060	0.00373	0.00660	0.00040	0	0.00047	0.24155	0	24			
0.00767	0.00649	0.03678	0.0025	0	0.00128	0.00002	0.00370	0.00092	0.00015	0.0155	0.00033	0.00030	0.00012	0.0014	0.00089	0.00158	0	0	0	0	0	25			
0.0054	0.0025	0.00507	0.0221	0.01186	0.00630	0.00247	0.01487	0	0.00092	0.00053	0.00009	0.00129	0	0.00353	0.01420	0.00920	0.00251	0	0.00094	0.57734	0	26			
0.0295	0.05869	0.0803	0.0104	0.00003	0	0.00048	0.00106	0	0.00121	0.00806	0.00056	0.01573	0	0.00001	0	0.00020	0	0.00497	0	0	0.0702	0	27		
0.0236	0.00607	0.02180	(*)	0	0	0	0.00010	0.00004	0	0.00017	0	0	0.00150	0	0	0	0	0.00001	0	0	0	0	28		
0.0194	0.00007	0.00268	0.0034	0.00010	0	0.00003	0.00126	0.00042	0	0.00043	0.01454	0.00114	0	0.00018	0.00251	0	0.00060	0	0.00477	0	0	29			
0.0051	0.0019	0.00709	0.00117	0	0	0	(*)	0.0024	0	0.00017	0.00001	0	0	0.00773	0	0	0	0	0.00002	0	0	30			
0.00129	0.00255	0.0302	0.04450	0.00175	0.00130	0.0206	0.00764	0.00353	0.00586	0.01181	0.00444	0	0.00358	0.00066	0.00309	0.00150	0.00844	0	0	0	0	31			
0.01147	0.00707	0.03048	0.00754	0.00067	0	0.00042	0.00249	0.00201	0.00071	0.00106	0	0.00028	0	0.00346	0.00031	0.00283	0.00026	0.00114	0	0.00026	0.00666	0	32		
0.00702	0.00007	0.00603	0.00010	0	0	0	(*)	0	0.00002	0	0.00001	0	0	0	0	0	0	0	0	0	0	33			
0.0087	0.00047	0.00588	0.00001	0.00003	0	0	0.00001	0.00019	0.00004	0	0.00007	0.00056	0.00002	0	0.00001	0.00174	0	0.00018	0	0.00384	0	0	34		
0.00311	0.01066	0.00493	0.00016	0	0	0	0	0	0.00111	0	0.00009	0.00026	0	0	0.00019	0.01226	0	0.00028	0	0	0.00033	0.00045	0	35	
0.00341	0.01817	0.00223	0.00011	0	0	0	0.00118	0	0.00126	0	0	0.00032	0.00425	0	0.00001	0	0.00496	0	(*)	0.00287	0.00013	0	0.00029	0	36
0.01867	0.00570	0.02629	0.00111	0	0	0	0.00111	0	0.00008	0	0.00033	0	0	0	0.00094	0	0	0	0	0.00447	0	0	0.00176	0	37
0.03871	0.02622	0.04459	0.00143	0.00246	0	0	0.00042	0	0.00016	0	0.00018	0.00052	0	0.00064	0	0.00243	0	0	0	0	0	0	0	0	38
0.0254	0	0	0	0	0	0	0	0	0.00008	0	0	0.00004	0	0	0	0.00019	0	0	0	0	0	0	0	0	39
0.0124	0	0.00036	0	0.00002	0	0	0	0	0.00102	0	0	0.00015	0	0	0	0.00281	0	0	0	0	0	0	0	0	40
0.1735	0.00584	0.01295	0.00045	0	0	0	0.00046	0	0.00008	0	0	0	0.00056	0	0	0	0.00089	0	0	0	0	0	0	0	41
0.01592	0.00971	0.01665	0.00120	0.00031	0	0.00779	0	0.00066	0	0.00011	0.00229	0	0.00003	0	0.00337	0	0.01435	0	0	0.00002	0.00449	0	0.00054	0.00307	42
0.00001	0	0.00001	0.00238	0	0	0	0.00009	0.00012	0	0.00007	0	0	0.00419	0	0	0	0	0	0	0	0	0	43		
0.00033	0	0.00031	0	0	0	0	0.00001	0	0.00019	0	0	0.00010	0	0	0	0.00555	0	0.00225	0	0	0	0	0	44	
0.00061	0.00025	0	0	0	0	0	0.00029	0	0	0.00012	0	0	0.0073	0	0	0	0	0	0	0	0	0	45		
(*)	0	0.00001	0.00041	0	0	0	0.00014	0	0.00007	0	0	0	0.00056	0	0	0	0	0	0	0	0	0	46		
0.0180	0.00420	0.0075	0.00069	0.00001	0	0.00011	0	0.00015	0	0	0.00055	0	0.00075	0	0	0.001928	0	0.00012	0	0	0	0	47		
0.0169	0.00124	0.00306	0	0	0	0	0	0.0029	0	0	0.00018	0	0.00005	0	0	0.00667	0	0	0	0	0	0	48		
0.00565	0	0.00096	0.00042	0	0	0	0	0.00031	0	0	0.00014	0	0	0	0	0.00056	0	0	0	0	0	0	49		
0.00722	0.00062	0.00216	0	0	0	0	0	0.00023	0	0	0.00014	0	0	0.00002	0	0.00041	0	0.000018	0	0.00022	0	0	50		
0.01271	0.00049	0.00252	0.00007	0	0	0	0.00039	0	0.00046	0.0001															

**Table 3.—Total Requirements (Direct and Indirect) Per Dollar of Delivery to Final Demand, 1958**

### (Producers' prices)

Each entry represents the output required, directly and indirectly, from the industry named at the beginning of the row for each dollar of delivery to final demand by the industry named at the head of the column

Each entry represents the output required, directly and indirectly, from the industry named at the beginning of the row for each dollar of delivery to final demand by the industry named at the head of the column																													
Livestock & livestock products		Other agricultural products		Forestry & fishery products		Agricultural, forestry & fishery services		Iron & ferroalloy ores mining		Coal mining		Crude petroleum & natural gas		Stone & clay mining & quarrying		Chemical & fertilizer mineral mining		New construction		Maintenance & repair construction		Ordnance & accessories		Food & kindred products		Tobacco manufactures		Broad & narrow fabrics, yarn & thread mills	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16														
1. Livestock & Livestock Products	1.0846	0.09107	0.21979	0.00333	0.00316	0.00284	0.00462	0.00293	0.00322	0.00543	0.00341	0.00543	0.39698	0.02899	0.04310														
2. Other Agricultural Products	1.07990	1.5396	43224	0.00433	0.00399	0.00381	0.00580	0.00348	0.00346	0.01292	0.00436	0.00526	2.0724	2.4835	19.112														
3. Forestry & Fishery Products	0.00116	0.00711	0.01169	0.00552	0.00491	0.0048	0.0139	0.0029	0.0040	0.00403	0.00898	0.00367	0.00606	0.0072	0.00079														
4. Agricultural, Forestry & Fishery Services	0.03768	0.04265	0.01974	0.02145	0.00301	0.00301	0.00333	0.0036	0.0029	0.0028	0.0101	0.0048	0.00443	0.1542	0.00994	0.00814													
5. Iron & Ferroalloy Ores Mining	0.00691	0.0094	0.00552	0.00581	0.01666	0.01696	0.0226	0.00503	0.0277	0.00333	0.00766	0.0322	0.00425	0.0158	0.00502	0.0114													
6. Nonferrous Metal Ores Mining	0.00601	0.0097	0.0044	0.0056	0.04203	1.2152	0.0200	0.0056	0.0181	0.00221	0.00533	0.0095	0.123	0.0084	0.0070	0.0137													
7. Coal Mining	0.0196	0.0200	0.0130	0.0128	0.0727	0.0616	1.20977	0.0116	0.0608	0.00546	0.00639	0.00328	0.00404	0.0350	0.0194	0.00657													
8. Crude Petroleum & Natural Gas	0.01470	0.0304	0.01453	0.01456	0.0192	0.01243	0.0370	1.2949	0.0277	0.01802	0.01982	0.01850	0.00792	0.1457	0.00995	0.01707													
9. Stone & Clay Mining & Quarryings	0.0175	0.0409	0.0091	0.0179	0.0060	0.00129	0.0143	0.0044	0.01274	0.01835	0.01916	0.0115	0.0135	0.0157	0.0122	0.0146													
10. Chemical & Fertilizer Mineral Mining	0.00146	0.0371	0.0082	0.0159	0.0070	0.00295	0.0105	0.0034	0.0152	1.06399	0.00127	0.0121	0.0072	0.0136	0.0139	0.00387													
11. New Construction	0	0	0	0	0	0	0	0	0	1.00000	0	0	0	0	0	0													
12. Maintenance & Repair Construction	0.02857	0.03277	0.01264	0.01912	0.01603	0.01315	0.0109	0.01791	0.01126	0.01240	0.01981	0.00700	0.01090	0.02298	0.01125	0.01670													
13. Ordnance & Accessories	0.00013	0.0017	0.0012	0.00101	0.00118	0.0019	0.00017	0.0013	0.0018	0.00060	0.00027	0.0013	0.00027	0.0013	0.00013	0.00037													
14. Food & Kindred Products	1.77882	0.01971	0.03662	0.03862	0.0462	0.0587	0.0532	0.0499	0.0576	0.0765	0.0964	0.0772	0.01390	1.26118	0.1717	0.01895													
15. Tobacco Manufactures	0.00018	0.0019	0.0016	0.0014	0.0021	0.0027	0.0026	0.0026	0.0028	0.0039	0.0042	0.0025	0.0085	0.0036	1.23632	0.0037													
16. Broad & Narrow Fabrics, Yarn & Thread Mills	0.00249	0.0363	0.0411	0.0408	0.0110	0.0377	0.0283	0.0091	0.0244	0.0192	0.0351	0.0178	0.0470	0.0421	0.0228	0.0154													
17. Miscellaneous Textile Goods & Floor Coverings	0.00198	0.0303	0.01040	0.00992	0.00551	0.0084	0.0132	0.0081	0.0208	0.00698	0.0200	0.0108	0.00338	0.0187	0.0130	0.00497													
18. Apparel	0.00041	0.0037	0.0033	0.0028	0.0028	0.00307	0.0040	0.0025	0.00403	0.00035	0.0091	0.0053	0.00207	0.0134	0.0094	0.0029	0.00356												
19. Miscellaneous Fabricated Textile Products	0.0166	0.0228	0.0076	0.0116	0.00202	0.0041	0.0035	0.0025	0.0043	0.00342	0.0070	0.0045	0.00558	0.0062	0.0083	0.00583													
20. Lumber & Wood Products, Except Containers	0.0360	0.0337	0.0371	0.0318	0.00853	0.0376	0.0383	0.0237	0.03010	0.03936	0.03780	0.0558	0.00609	0.0621	0.00524														
21. Wooden Containers	0.0205	0.0498	0.0086	0.0214	0.00108	0.0019	0.0019	0.0012	0.0027	0.0018	0.0091	0.0049	0.00135	0.0320	0.0327	0.0116													
22. Household Furniture	0.00008	0.011	0.0019	0.0009	0.0012	0.0008	0.0012	0.0008	0.0005	0.0007	0.0008	0.0003	0.0037	0.0030	0.0143	0.00025													
23. Other Furniture & Fixtures	0.00008	0.0009	0.0012	0.0006	0.0006	0.0005	0.0006	0.0005	0.0007	0.0006	0.0006	0.0005	0.0007	0.0009	0.0009	0.00010													
24. Paper & Allied Products, Except Containers	0.00897	0.0861	0.02057	0.00938	0.00381	0.00617	0.00604	0.0554	0.01948	0.01299	0.02430	0.01434	0.0498	0.02843	0.03646	0.02843													
25. Paperboard Containers & Boxes	0.00510	0.0256	0.00928	0.00623	0.0101	0.00465	0.00273	0.0023	0.0015	0.0012	0.0007	0.00018	0.00012	0.00018	0.00012	0.00012													
26. Printing & Publishing	0.01125	.01651	0.02619	0.00940	0.0586	0.0774	0.0096	0.01285	0.00869	0.0745	0.02374	0.00772	0.1440	0.02052	0.02507	0.01543													
27. Chemicals & Selected Chemical Products	0.03017	0.07353	0.01655	0.03231	0.01974	0.05417	0.0305	0.0959	0.02440	0.04830	0.02647	0.03288	0.01760	0.02704	0.03206	0.01172													
28. Plastics & Synthetic Materials	0.00278	0.0461	0.0447	0.0411	0.0166	0.0334	0.06409	0.06184	0.00637	0.00740	0.01076	0.0084	0.0384	0.02541	0.01740	0.00705													
29. Drugs, Cleaning & Toilet Preparations	0.00328	0.0193	0.0112	0.0138	0.00882	0.0158	0.0111	0.06939	0.0171	0.01355	0.0243	0.00225	0.0245	0.00621	0.0306	0.00765													
30. Paints & Allied Products	0.00201	0.0236	0.0241	0.0138	0.0135	0.0148	0.0156	0.0198	0.0123	0.0123	0.00634	0.0236	0.00579	0.01784	0.0238	0.01116	0.00311												
31. Petroleum Refining & Related Industries	0.02561	0.05458	0.02626	0.02594	0.01938	0.0182	0.0293	0.0203	0.01060	0.03533	0.0226	0.0361	0.01248	0.0288	0.01741	0.02777													
32. Rubber & Miscellaneous Plastics Products	0.00664	0.01079	0.00995	0.00690	0.00348	0.00678	0.01526	0.04479	0.02331	0.00906	0.01385	0.00834	0.03435	0.00885	0.00887	0.01503													
33. Leather Tanning & Industrial Leather Products	0.00009	0.0012	0.0009	0.0007	0.0006	0.0006	0.0005	0.0005	0.0007	0.0005	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011													
34. Footwear & Other Leather Products	0.00257	0.0094	0.00891	0.00805	0.00494	0.00585	0.0069	0.0137	0.00360	0.00269	0.00271	0.00408	0.00263	0.00263	0.00263	0.00263													
35. Glass & Glass Products	0.00270	0.0410	0.0170	0.0219	0.00308	0.00592	0.0582	0.0196	0.07437	0.00438	0.0584	0.01449	0.0124	0.0325	0.01741	0.0311													
36. Stone & Clay Products	0.00270	0.0410	0.0170	0.0219	0.00308	0.00592	0.0582	0.0196	0.07437	0.00438	0.0584	0.01449	0.0124	0.0325	0.01741	0.0311													
37. Primary Iron & Steel Manufacturing	0.00892	0.0331	0.0722	0.0684	0.03302	0.07472	0.0357	0.07589	0.0320	0.04068	0.11085	0.05403	0.07045	0.02408	0.0583	0.0694													
38. Primary Nonferrous Metals Manufacturing	0.03985	0.0512	0.0325	0.0347	0.00684	0.01535	0.0171	0.0175	0.0788	0.01119	0.01934	0.03704	0.11322	0.0621	0.0355	0.03705													
39. Metal Containers	0.00523	0.0223	0.0146	0.0175	0.00605	0.00485	0.00485	0.0077	0.00630	0.00530	0.00493	0.00493	0.0027	0.0027	0.0027	0.0027													
40. Heating, Plumbing & Structural Metal Products	0.0187	0.0214	0.0162	0.0130	0.0074	0.00229	0.00227	0.0019	0.00272	0.0019	0.0019	0.0019	0.0012	0.0012	0.0012	0.0012													
41. Stamping, Screw Machine Products & Bolts	0.00266	0.0107	0.0120	0.0166	0.0261	0.00621	0.00621	0.00621	0.00625	0.00625	0.00625	0.00625	0.00991	0.00991	0.00526	0.00526													
42. Other Fabricated Metal Products	0.00465	0.0505	0.0318	0.00884	0.00356	0.00543	0.01082	0.00639	0.00614	0.00649	0.02698	0.00978	0.0458	0.0582	0.01339	0.0530													
43. Engines & Turbines	0.00663	0.0105	0.0135	0.00504	0.01747	0.0202	0.0219	0.0229	0.0238	0.0231	0.02024	0.00992	0.00882	0.00882	0.00882	0.00882													
44. Farm Machinery & Equipment	0.00365	0.0680	0.0293	0.0403	0.00693	0.00809	0.0123	0.00649	0.0137	0.00360	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027													
45. Construction, Mining & Oil Field Machinery																													

**Table 3.—Total Requirements (Direct and Indirect) Per Dollar of Delivery to Final Demand, 1958—Continued**

(Producers' prices)

Miscellaneous textile goods & floor coverings	Apparel	Miscellaneous textile products	Lumber & wood products, except containers	Wooden containers	Household furniture	Other furniture & fixtures	Paper & allied products, except containers	Paperboard containers & boxes	Printing & publishing	Chemicals & selected chemical products	Plastics & synthetic materials	Drugs, cleaning, & toilet preparations	Paints & allied products	Petroleum refining & related industries	Rubber & miscellaneous plastics products	Leather tanning & industrial leather products	Footwear & other leather products	Glass & glass products	Stone & clay products	Primary iron & steel manufacturing	Primary nonferrous metals manufacturing	Metal containers	Industry number	
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39		
0.04274	0.01849	0.02628	0.01915	0.00989	0.01255	0.00628	0.00806	0.00572	0.00744	0.01075	0.00762	0.01832	0.01920	0.00445	0.00812	0.00426	0.00584	0.00395	0.00444	0.00318	0.00320	0.00345	1	
.05467	.07038	.09780	.06047	.02592	.02521	.00994	.01146	.00746	.00883	.01022	.00778	.01314	.01330	.00549	.01250	.00470	.01171	.00530	.00556	.00367	.00392	.00385	2	
.00090	.01258	.00146	.13236	.05126	.01743	.00925	.01000	.00523	.00254	.00263	.00170	.00133	.00147	.00444	.0102	.00181	.00221	.00320	.00105	.00669	.00661	.00693	3	
.00302	.00328	.00437	.00568	.00244	.00172	.00805	.00094	.00663	.00062	.00073	.00036	.00996	.00102	.00037	.00075	.00130	.00164	.00069	.00445	.00041	.00033	.00034	4	
.00106	.00066	.00096	.00086	.0385	.00378	.00905	.00105	.00993	.00063	.00793	.00319	.00225	.00452	.0130	.00092	.00069	.00094	.00276	.07546	.00767	.03432	.03432	5	
.00134	.00087	.00116	.00107	.00108	.0299	.00421	.0135	.00994	.00097	.01069	.00420	.0222	.00368	.0101	.00206	.00116	.00805	.0136	.00219	.00775	.13950	.00553	.00553	6
.00534	.00323	.00460	.00245	.00383	.00502	.00689	.01351	.00735	.00392	.01140	.01249	.00468	.00691	.00318	.00616	.00551	.00291	.00559	.01516	.04470	.00652	.02151	.02151	7
.01326	.00895	.01235	.01618	.01372	.00990	.00880	.01774	.01500	.00816	.04998	.02951	.01757	.02449	.57686	.01289	.01001	.00652	.01164	.01801	.01505	.01193	.01190	.01190	8
.00109	.00074	.00110	.00124	.00108	.00142	.00192	.00547	.00276	.00146	.00887	.00214	.00215	.00439	.00220	.00139	.00996	.01485	.07567	.00593	.00189	.00318	.00318	9	
.00366	.00184	.00249	.00114	.00064	.00123	.00094	.00417	.00218	.00164	.03924	.01443	.00578	.01116	.00163	.00577	.00463	.00181	.00240	.00527	.00149	.00168	.00113	.00113	10
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	11	
.01287	.01154	.01407	.01496	.01298	.01193	.01094	.01575	.01625	.01675	.01318	.01712	.01072	.01306	.01835	.01132	.00620	.00773	.01079	.01296	.02063	.01078	.01461	.01461	12
.00036	.00022	.00042	.00018	.00018	.00027	.00061	.00027	.00059	.00084	.00083	.00106	.00045	.00045	.00027	.00057	.00023	.00026	.00043	.00022	.00057	.00066	.00063	.00063	13
.01737	.01253	.01587	.01345	.01112	.02227	.01211	.01823	.01296	.01703	.02923	.02021	.05107	.05688	.00711	.01203	.01095	.00940	.00893	.01044	.00727	.00723	.00806	.00806	14
.00035	.00043	.00049	.00043	.00049	.00049	.00052	.00038	.00045	.00088	.00071	.00040	.00050	.00066	.00027	.00046	.00025	.00039	.00043	.00045	.00032	.00035	.00035	15	
.28761	.52684	.75908	.00396	.00301	.09888	.01525	.01637	.00899	.00499	.04989	.00588	.0381	.00366	.01383	.05740	.00327	.05668	.0301	.0608	.00236	.00590	.00277	.00277	16
1.10143	.02340	.10813	.03244	.01900	.02174	.02198	.00403	.0325	.00337	.02025	.00290	.0204	.00161	.00888	.00782	.01614	.02317	.00127	.00115	.00183	.00205	.00205	.00205	17
.00491	1.21004	.01370	.00257	.00130	.00173	.00232	.00168	.0209	.00605	.01119	.00130	.0112	.00124	.00053	.00422	.00306	.00818	.00202	.00164	.00134	.00107	.00107	.00107	18
.00751	.01871	.01747	.00904	.00065	.00248	.00186	.00198	.01115	.00376	.00173	.00174	.00148	.0053	.00188	.00246	.00190	.00064	.01113	.00060	.00076	.00555	.00555	.00555	19
.00628	.00404	.00745	.14204	.54239	.18274	.09636	.13344	.05368	.02470	.00910	.01054	.00880	.00751	.03323	.00744	.0367	.01810	.03211	.00952	.00606	.00514	.00612	.00612	20
.00057	.00055	.00075	.00405	.1.03956	.00114	.00095	.00125	.00129	.00041	.00065	.00063	.00054	.00053	.00021	.00039	.00266	.00120	.00621	.00200	.00051	.00024	.00090	.00090	21
.00293	.00021	.00372	.00328	.00768	.01602	.02986	.00039	.00023	.00107	.00013	.00013	.00017	.00011	.00009	.00043	.00008	.00055	.00260	.00013	.00024	.00016	.00020	.00020	22
.00012	.00013	.00302	.00063	.00152	.00798	.01069	.02069	.00032	.00018	.00008	.00010	.00008	.00007	.00025	.00005	.00111	.00011	.00009	.00012	.00009	.00012	.00012	.00012	23
.04131	.02202	.04485	.02612	.01807	.03006	.02898	.1.26423	.57308	.26224	.03082	.07744	.05251	.03948	.01318	.03209	.01309	.03269	.05646	.04682	.01243	.01361	.02404	.02404	24
.01458	.01610	.02290	.01011	.00767	.02690	.02832	.03789	.1.0586	.01516	.01161	.01341	.04083	.0099	.00506	.01864	.01512	.03044	.0364	.01756	.00364	.01756	.01756	.01756	25
.01276	.01404	.01806	.01509	.01551	.01341	.02609	.02478	.1.17580	.01683	.01554	.05773	.01869	.01629	.01867	.01010	.02347	.01377	.01452	.01194	.01089	.01553	.01553	.01553	26
.11084	.05213	.06954	.03036	.01616	.03254	.02369	.06710	.03880	.03839	.1.26952	.45777	.18182	.35590	.04856	.14322	.11013	.04387	.05958	.04803	.02603	.03751	.02401	.02401	27
.21311	.06625	.09350	.01499	.01729	.02589	.01398	.02005	.01484	.00617	.03065	.01431	.0374	.01374	.17459	.00562	.02229	.00502	.01873	.00419	.02449	.00906	.00906	.00906	28
.00598	.00374	.00574	.00317	.00255	.00265	.00226	.00483	.00454	.00262	.01854	.01906	.01736	.01933	.00453	.00595	.03284	.00918	.00360	.00385	.00304	.00520	.00520	.00520	29
.00348	.00186	.00270	.00802	.02323	.01942	.00242	.01889	.00153	.00157	.00514	.00998	.01083	.02058	.01519	.00815	.00177	.00094	.00125	.00118	.00080	.00083	.00083	.00083	30
.02156	.01423	.02804	.02306	.01585	.01374	.02888	.02502	.01288	.08402	.05000	.02989	.04164	.1.08844	.02055	.01628	.01023	.01529	.02805	.02263	.01665	.01825	.01825	.01825	31
.02575	.01039	.04440	.01458	.00945	.04963	.01754	.02267	.02133	.00819	.01391	.02645	.01663	.01284	.00529	.014077	.01418	.07296	.00919	.01797	.00861	.00700	.02136	.02136	32
.00052	.00435	.01030	.00015	.00013	.01701	.00192	.00016	.00018	.00016	.00015	.00013	.00013	.00013	.00013	.00013	.00136	.00121	.00026	.00011	.00011	.00057	.00057	.00057	33
.00069	.00142	.00351	.00027	.00021	.00064	.00034	.00031	.00030	.00031	.00030	.00023	.00023	.00023	.00023	.00023	.00023	.00023	.00023	.00017	.00022	.00015	.00018	.00018	34
.00273	.00208	.00331	.00282	.0180	.01712	.01416	.00308	.00091	.00097	.00097	.00097	.00097	.00097	.00097	.00097	.00097	.00097	.00097	.00097	.00097	.00097	.00097	35	
.00345	.00195	.00286	.00842	.00714	.00939	.00967	.00548	.00354	.00354	.00196	.00339	.00344	.00598	.00344	.00196	.00557	.00193	.0235	.00658	.0373	.01196	.01692	.02118	41
.00835	.00663	.01012	.01154	.06531	.06164	.15406	.01167	.01222	.00697	.02692	.01514	.02278	.04716	.01436	.01537	.00587	.00757	.00977	.01798	.1.31825	.04849	.59711	.59711	37
.00673	.00550	.00737	.00813	.00802	.02688	.03769	.00930	.00685	.00736	.00736	.01514	.01017	.03833	.00672	.01198	.00497	.00574	.00899	.01019	.04207	.1.44879	.03920	.03920	38
.00197	.00112	.00152	.00129	.00096	.00226	.00173	.00157	.00157	.00157	.00157	.00157	.00157	.00157	.00157	.00157	.00157	.00157	.00157	.00157	.00157	.00157	.00157	39	
.00119	.00102	.00139	.00205	.00549	.00516	.00198	.00509	.00662	.00490	.00418	.00673	.00413	.00349	.00343	.00133	.00343	.00141	.00134	.00148	.00050	.00124	.00124	.00124	40
.00023	.00151	.00354	.00308	.00421	.00428	.00458	.0221	.00177	.00185	.00410	.00309	.00195	.00221	.00344	.00236	.00155	.00213	.00212						

**Table 3.—Total Requirements (Direct and Indirect) Per Dollar of Delivery to Final Demand, 1958—Continued**

### (Producers' prices)

**Table 3.—Requirements (Direct and Indirect) Per Dollar of Delivery to Final Demand, 1958—Continued**

(Producers' prices)

Scientific & controlling instruments	Optical, ophthalmic & photographic equipment	Miscellaneous manufacturing	Transportation & warehousing	Communications; except radio & T.V. broadcasting	Radio & T.V. broadcasting	Electric, gas, water & sanitary services	Wholesale & retail trade	Finance & insurance	Real estate & rental auto.	Business services	Hotels; personal & repair services, exc.	Research & development	Automobile repair & services	Amusements	Medical, educational services & non-profit organizations	Federal government enterprises	State & local government enterprises	Gross imports of goods & services	Business travel, entertainment & gifts	Office supplies	Industry number
62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	
0.00770	0.00430	0.00710	0.00421	0.00180	0.00631	0.00300	0.00746	0.00617	0.02311	0.00605	0.00624	0.00550	0.00409	0.00863	0.00907	0.04479	0.00254	0	0.12847	0.00751	1
.00936	.00497	.01249	.00542	.00255	.00608	.00644	.00843	.00883	.03207	.00907	.01052	.00555	.00533	.00689	.00798	.17990	.00336	0	.08389	.00998	2
.00084	.00090	.00406	.00052	.00026	.00043	.00049	.00053	.00040	.00057	.00074	.00091	.00079	.00046	.00044	.00056	.00083	.00111	0	.00464	.00475	3
.00065	.00040	.00085	.00038	.00016	.00055	.00038	.00213	.00051	.00180	.00058	.00063	.00043	.00048	.00121	.00055	.00768	.00309	0	.00582	.00703	4
.00406	.00199	.00373	.00079	.00024	.00029	.00077	.00036	.00023	.00058	.00072	.00063	.00469	.00255	.00032	.00042	.00101	.00116	0	.00104	.00146	5
.00905	.00558	.00807	.00089	.00066	.00045	.00095	.00039	.00027	.00068	.00110	.00085	.00747	.00190	.00047	.00555	.00055	.00131	0	.00099	.00230	6
.00375	.00514	.00458	.00289	.00077	.0105	.04382	.0201	.0168	.0136	.00241	.00406	.00434	.00527	.00120	.0176	.01608	.02476	0	.00287	.00650	7
.00674	.00914	.00966	.03097	.00307	.00401	.08542	.08888	.0617	.0981	.01280	.00790	.00985	.00878	.00428	.00688	.01465	.02215	0	.01974	.01104	8
.00128	.00245	.00142	.00104	.00049	.00044	.00123	.00061	.00045	.00151	.00095	.00071	.00134	.00146	.00061	.00073	.00144	.00308	0	.00121	.00247	9
.00077	.00298	.00163	.00040	.00013	.00020	.00032	.00027	.00023	.00038	.00084	.00062	.00133	.00068	.00021	.00040	.00086	.00063	0	.00084	.00255	10
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
.00911	.00852	.01355	.05330	.03579	.02261	.07279	.02021	.02147	.10376	.01512	.01493	.01334	.02753	.04089	.04314	.02366	.26104	0	.03287	.01585	12
.03369	.00251	.00600	.00052	.00043	.00080	.00012	.00029	.00012	.00017	.00061	.00043	.22839	.00041	.00012	.00094	.00026	.00013	0	.00131	.00663	13
.01924	.01018	.01395	.00879	.00363	.01185	.00606	.01691	.01070	.00725	.0135	.01262	.01354	.00717	.01080	.02124	.08907	.00512	0	.38271	.01650	14
.00090	.00049	.00072	.00024	.00019	.00075	.00022	.00059	.00057	.00016	.00051	.00059	.00065	.00032	.00064	.00066	.00038	.0021	0	.02691	.00673	15
.01834	.00419	.03754	.00236	.00119	.03019	.0102	.00206	.00255	.0153	.0219	.00373	.0610	.00798	.00405	.00224	.00141	0	.00815	.01265	16	
.00471	.00192	.01219	.00186	.00080	.00225	.00058	.00108	.00196	.00064	.00534	.00241	.00374	.00740	.00170	.00212	.00130	.00117	0	.00250	.00553	17
.00443	.00165	.00298	.00048	.00014	.00034	.00026	.00096	.00031	.00071	.01056	.00071	.00232	.00098	.00032	.00248	.00035	.00070	0	.00344	.00129	18
.00119	.00075	.00231	.00092	.00074	.00241	.00025	.00087	.00194	.00041	.01247	.00173	.00164	.00443	.00172	.00211	.00143	.00033	0	.00323	.00155	19
.00638	.00726	.03495	.00424	.00232	.00313	.00458	.00410	.00301	.00515	.00524	.00810	.00632	.00388	.00334	.00390	.00402	.01098	0	.00364	.04713	20
.00072	.00036	.00089	.00072	.00006	.00013	.00015	.00011	.00004	.00028	.00032	.00026	.00073	.00035	.00014	.00018	.00116	.00020	0	.00152	.00069	21
.00155	.00029	.00067	.00017	.00038	.00069	.00008	.00023	.00007	.00012	.00128	.00017	.00288	.00024	.00007	.00012	.00009	.00011	0	.00047	.00061	22
.00413	.00105	.00112	.00016	.00007	.00008	.00012	.00021	.00007	.00016	.00045	.00021	.00103	.00018	.00010	.00015	.00008	.00033	0	.00019	.00056	23
.02287	.05785	.00459	.00818	.00786	.01740	.0724	.01665	.02063	.00587	.02730	.07370	.01746	.0194	.01090	.01757	.02080	.01059	0	.01968	.46752	24
.01336	.01242	.00653	.00193	.00095	.00344	.00127	.00564	.00288	.00134	.00629	.00589	.00745	.00458	.00239	.00392	.00479	.00187	0	.00978	.02523	25
.01375	.02335	.02623	.01324	.02328	.02779	.01076	.02259	.04366	.01146	.01627	.28207	.01566	.01645	.02475	.03215	.02586	.01571	0	.01817	.68912	26
.01956	.08933	.04398	.00995	.00325	.0480	.00864	.00661	.00530	.00887	.02366	.01495	.03812	.01714	.00537	.01093	.01754	.01780	0	.01930	.05673	27
.01143	.00740	.04009	.00363	.00127	.00224	.00194	.00195	.00209	.00764	.00373	.01154	.01164	.00223	.00272	.00246	.00386	.00512	0	.01590	.00150	28
.00396	.00249	.00578	.00130	.00047	.00086	.00079	.00216	.00144	.00116	.01732	.00253	.00969	.00284	.00105	.00287	.00129	.00165	0	.01043	.00376	29
.00229	.00153	.00946	.00466	.00203	.00148	.00440	.00163	.00137	.00583	.00162	.00134	.00285	.00168	.00249	.00262	.00194	.01412	0	.00311	.00298	30
.01045	.01480	.01550	.00458	.00591	.02440	.01311	.00978	.01341	.02019	.01210	.01585	.01223	.00590	.00948	.02393	.02215	0	.03477	.01771	31	
.01990	.01280	.04409	.01180	.00200	.0319	.00338	.00502	.00473	.0286	.01131	.00766	.02437	.04644	.03131	.00574	.00016	.00483	0	.01078	.02407	32
.00138	.00035	.00925	.00020	.00005	.00029	.00005	.00016	.00009	.00050	.00023	.00022	.00085	.00014	.00015	.00007	0	.00130	.00153	33		
.00134	.00073	.00708	.00012	.00010	.00075	.00009	.00037	.00021	.00015	.00100	.00034	.00039	.00023	.00278	.00033	.00035	.00009	0	.00457	.00134	34
.00658	.01295	.00716	.00145	.00057	.00085	.00077	.00193	.00054	.00101	.00252	.00095	.00548	.00074	.00177	.00162	.00189	0	.00566	.02529	35	
.00960	.02524	.00729	.00361	.00186	.00571	.00571	.00310	.00148	.00507	.00747	.00243	.00970	.01084	.00233	.00269	.00556	.01157	0	.00440	.00579	36
.06365	.02322	.05670	.01200	.00347	.00413	.01187	.00528	.00309	.00741	.00966	.00887	.07359	.04140	.00462	.00595	.00780	.01770	0	.01573	.01926	37
.08528	.05141	.07943	.00806	.00644	.00417	.00667	.00330	.00226	.00513	.00943	.00750	.01687	.04340	.00407	.00459	.01167	0	.00841	.01975	38	
.00357	.00123	.00162	.00094	.00026	.00047	.00062	.00077	.00048	.00070	.00101	.00065	.00144	.00103	.00050	.00131	.00266	.00113	0	.00990	.00130	39
.00360	.00121	.00227	.00369	.00069	.00205	.00140	.00437	.00236	.00132	.00591	.00149	.00127	.00684	.00237	.00259	.00163	.01438	0	.00256	.00154	40
.02715	.00962	.01807	.00222	.00084	.00136	.00146	.00147	.00061	.00101	.00297	.00219	.02454	.00660	.00094	.00219	.0156	.00202	0	.00377	.00510	41
.02716	.01567	.02511	.00507	.00158	.0191	.01320	.0281	.00150	.00204	.00679	.00395	.02465	.02732	.00178	.00248	.00414	.00923	0	.00630	.01578	42
.00189	.00105	.00602	.00362	.00023	.00046	.00074	.00066	.00049	.00045	.00054	.00551	.01344	.01615	.00047	.00047	.00080	.00098	0	.00117	.00600	43
.00108	.00066	.00096	.00041	.00019	.00046	.00034	.00070	.00048	.00063	.00044	.00366	.00077	.00048	.00039	.00188	.00033	.00030	0	.00117	.00600	44
.00190	.00123	.00099	.00073	.00021	.00026	.00046	.00066	.00028	.00060	.00047	.00147	.00099	.00027	.00036	.00102	.00182	0	.00064	.00088	45	
.00037	.00026	.00063	.00006	.00007	.00033	.00007	.00021	.00012	.00017	.00010	.00012	.00027	.00008	.00010	.00026	.00039	.00039	0	.00035	.00266	46
.01913	.00715	.00887	.00191	.00041	.00062	.00121	.00080	.00043	.00107	.00126	.00213	.03876	.00516	.00447	.00080	.00098	.00112	0	.00175	.00224	47
.00331	.00298	.00207	.00039	.00020	.00032	.00038	.00065	.00036	.00047	.00090	.00157	.00301	.00088	.00300	.00448	.00049	.0051	0	.00066		

## **Government Programs**

(continued from p. 4)

and evaluation, due to the phaseout of research and development on major missile and aircraft programs. Lesser reductions are scheduled for military assistance and military construction, and atomic energy outlays are expected to be down slightly from the preceding year.

Partially offsetting these declines are estimates of larger expenditures for operation and maintenance in the Defense Department and for military personnel, primarily because of the recently-approved increase in military pay. Spending for space research and technology is expected to reach almost \$5 billion in fiscal 1965, up about \$3/4 billion from fiscal 1964, but a smaller increase than in recent years.

Nondefense purchases, although below the earlier forecast, are expected to be well above the fiscal 1964 level. This is due chiefly to the pay increase for civilian employees and to higher outlays for the public works acceleration program and construction projects of the Corps of Engineers. The in-

crease is not as large as projected because government agencies will absorb a greater portion of the costs of the pay raise than assumed in the January Budget. In addition, expenditures were lower than forecast in the Office of Economic Opportunity (the new agency established to administer the war on poverty), the Department of Commerce and the Department of Labor.

#### *Other expenditures rise*

Although fiscal year 1965 purchases of goods and services show almost no change from the preceding year, other Federal expenditures are slated to rise.

Transfer payments to individuals are expected to rise more than \$1 billion from fiscal 1964 to fiscal 1965. The rise, about the same as estimated in January, is in line with the experience of recent years and is due primarily to increased OASI and Civil Service retirement payments and a rise in military pensions.

Federal aid to State and local governments is up nearly \$1½ billion over fiscal 1964 and is also substantially higher than the earlier forecast. Increased outlays for public assistance

grants, highway construction, and grants under the newly enacted poverty program account for the bulk of the increase.

Net interest charges are projected about \$½ billion higher than in the past fiscal year and somewhat above the January forecast. This is due partly to the increase in the national debt and partly to the higher average interest rates that the Treasury must pay in refunding operations.

The "subsidies less current surplus of government enterprises" category is slightly below fiscal 1964, but over \$1 billion above the earlier estimate for fiscal 1965. The current forecast for agricultural price support and farm subsidies is substantially above the January estimate, mainly because cotton legislation was enacted in a form more costly than anticipated and because the new law came too late in the spring for many producers to participate in the cost-reducing features of the program. In addition, expenditures in fiscal 1965 under the feed grain program are expected to be larger because of higher production and lower utilization of feed grains.

## **NATIONAL INCOME AND PRODUCT**

**Table 1.—Gross National Product in Current and Constant Dollars (I-3, I-5)**

Table 2.—National Income by Type of Income (I-8, I-9)

[Billions of dollars]

	1961	1962	1963	1963		1964		
				III	IV	I	II	III
				Seasonally adjusted at annual rates				
National income.....	426.9	455.6	478.5	481.9	490.0	498.4	507.1	514.5
Compensation of employees.....	302.2	323.1	340.3	342.7	347.7	352.5	358.6	364.8
Wages and salaries.....	278.8	297.1	312.1	314.3	318.8	323.2	328.7	334.4
Private.....	227.0	241.6	252.9	255.0	257.6	260.8	265.3	269.4
Military.....	10.2	10.8	10.9	10.7	11.7	11.7	11.7	11.8
Government civilian.....	41.6	44.7	48.3	48.7	49.6	50.7	51.7	53.2
Supplements to wages and salaries.....	23.4	25.9	28.2	28.4	28.8	29.4	29.9	30.4
Employer contributions for social insurance.....	11.8	13.6	15.1	15.2	15.4	15.7	15.9	16.2
Other labor income.....	11.6	12.3	13.1	13.2	13.4	13.7	14.0	14.2
Employer contributions to private pension and welfare funds.....	9.2	9.7	10.4	—	—	—	—	—
Other.....	2.4	2.6	2.7	—	—	—	—	—
Proprietors' income.....	48.2	49.8	50.6	50.7	51.5	51.2	51.7	52.1
Business and professional.....	35.3	36.6	37.6	37.8	38.3	38.6	39.1	39.6
Income of unincorporated enterprises.....	35.3	36.6	37.6	—	—	—	—	—
Inventory valuation adjustment.....	0	0	0	—	—	—	—	—
Farm.....	12.9	13.2	13.0	12.9	13.2	12.6	12.6	12.6
Rental income of persons.....	12.2	12.2	12.3	12.4	12.4	12.4	12.4	12.4
Corporate profits and inventory valuation adjustment.....	44.1	48.4	50.8	51.4	53.1	56.4	57.9	58.1
Profits before tax.....	44.2	48.2	51.3	51.3	54.3	56.6	57.9	58.0
Profits tax liability.....	22.3	23.2	24.6	24.5	26.0	25.4	26.0	26.0
Profits after tax.....	21.9	25.0	26.7	26.7	28.3	31.2	31.9	32.0
Dividends.....	15.2	16.5	18.0	17.9	19.1	19.4	19.8	20.0
Undistributed profits.....	6.7	8.5	8.7	8.9	9.2	11.8	12.1	12.0
Inventory valuation adjustment.....	-1	.3	-.4	.2	-1.2	-.2	-.1	.1
Net interest.....	20.1	22.1	24.4	24.7	25.4	25.9	26.5	27.1

1. Third-quarter national income total and the corporate profits share are based on preliminary estimates and are subject to revision in next month's SURVEY.

Table 3.—Personal Income and Its Use (II-2)

[Billions of dollars]

	1961	1962	1963	1963		1964		
				III	IV	I	II	III
				Seasonally adjusted at annual rates				
Personal income.....	417.6	442.4	464.1	466.3	474.5	480.9	487.9	494.5
Wage and salary disbursements.....	278.8	297.1	312.1	314.3	318.8	323.2	328.7	334.3
Commodity-producing industries.....	110.8	118.5	123.3	124.1	125.5	126.7	128.9	130.8
Manufacturing only.....	87.5	94.2	98.0	98.5	99.9	100.6	102.4	103.8
Distributive industries.....	72.9	76.6	80.3	81.0	81.9	82.7	84.1	85.7
Service industries.....	43.4	46.4	49.3	49.9	50.2	51.3	52.4	52.9
Government.....	51.8	55.6	59.2	59.4	61.3	62.4	63.4	64.9
Other labor income.....	11.6	12.3	13.1	13.2	13.4	13.7	14.0	14.2
Proprietors' income.....	48.2	49.8	50.6	50.7	51.5	51.2	51.7	52.1
Business and professional.....	35.3	36.6	37.6	37.8	38.3	38.6	39.1	39.6
Farm.....	12.9	13.2	13.0	12.9	13.2	12.6	12.6	12.6
Rental income of persons.....	12.2	12.2	12.3	12.4	12.4	12.4	12.4	12.4
Dividends.....	15.2	16.5	18.0	17.9	19.1	19.4	19.8	20.0
Personal interest income.....	27.5	30.0	32.9	33.4	34.2	35.0	35.7	36.3
Transfer payments.....	33.6	34.7	36.7	36.5	37.2	38.3	38.0	38.0
Old-age and survivors insurance benefits.....	12.6	14.3	15.2	15.4	15.4	15.6	16.1	16.1
State unemployment insurance benefits.....	4.0	2.9	2.8	2.6	3.0	2.8	2.5	2.4
Veterans' benefits.....	4.8	4.8	5.0	5.0	5.1	5.2	5.3	5.2
Other.....	12.2	12.7	13.7	13.4	13.6	14.8	14.2	14.2
Less: Personal contributions for social insurance.....	9.6	10.3	11.8	11.9	12.1	12.3	12.5	12.8
Less: Personal tax and nontax payments.....	52.9	57.9	61.6	61.9	63.3	61.4	57.7	58.8
Federal.....	45.1	49.1	51.9	52.2	53.4	51.2	47.3	48.2
State and local.....	7.8	8.8	9.6	9.7	9.9	10.2	10.5	10.6
Equals: Disposable personal income.....	364.7	384.6	402.5	404.4	411.2	419.5	430.2	435.6
Less: Personal consumption expenditures.....	337.3	356.8	375.0	377.4	381.3	390.0	396.1	404.6
Equals: Personal saving.....	27.3	27.8	27.5	27.0	29.9	29.5	34.0	31.0
Addendum: Disposable personal income in constant (1954) dollars.....	328.2	343.4	354.9	356.3	360.7	366.7	374.7	378.8

\* Revised

Table 4.—Gross National Product by Major Type of Product in Current and Constant Dollars (I-6, I-7)

	1961	1962	1963	1963		1964				1961	1962	1963	1963		1964		
				III	IV	I	II	III					III	IV	I	II	III
				Billions of current dollars						Billions of 1954 dollars						1964	
Gross national product.....	518.7	556.2	583.9	587.2	599.0	608.8	618.6	628.4		447.9	476.4	492.6	494.8	502.0	508.0	513.5	519.6
Final sales.....	516.8	550.3	579.5	583.0	592.6	606.4	614.9	625.7		446.2	471.2	488.5	490.9	496.1	505.6	510.2	517.0
Inventory change.....	1.9	5.9	4.4	4.2	6.4	2.5	3.7	2.8		1.7	5.2	4.1	4.0	5.9	2.4	3.3	2.5
Goods output.....	259.8	279.5	290.2	289.8	296.7	300.7	308.0	313.3		233.6	250.3	258.1	257.8	263.2	266.2	271.8	276.3
Final sales.....	257.9	273.6	285.8	285.7	290.3	298.2	304.3	310.5		232.0	245.1	254.0	253.8	257.3	263.8	268.5	273.7
Inventory change.....	1.9	5.9	4.4	4.2	6.4	2.5	3.7	2.8		1.7	5.2	4.1	4.0	5.9	2.4	3.3	2.5
Durable goods output.....	94.4	105.3	110.4	108.1	113.4	114.9	121.4	122.0		82.1	91.7	96.3	94.3	99.0	100.4	105.4	106.0
Final sales.....	94.5	102.3	108.2	106.6	110.4	114.3	119.0	120.7		82.1	89.2	94.4	93.0	96.4	99.8	103.3	104.9
Inventory change.....	-1	3.0	2.2	1.5	3.0	.7	2.5	1.3		-1	2.6	1.9	1.2	2.6	.6	2.1	1.1
Nondurable goods output.....	165.4	174.2	179.8	181.8	183.3	185.7	186.6	191.3		151.6	158.6	161.8	163.6	164.2	165.8	166.4	170.3
Final sales.....	163.4	171.3	177.6	179.1	179.9	183.9	185.4	189.8		149.8	155.9	159.6	160.8	160.9	164.0	165.2	168.8
Inventory change.....	2.0	2.9	2.2	2.7	3.4	1.8	1.2	1.5		1.7	2.6	2.3	2.7	3.3	1.8	1.2	1.5
Services.....	200.8	214.7	228.4	231.2	234.5	239.6	241.7	246.0		165.4	174.8	181.4	183.5	184.2	186.8	186.7	188.9
Construction.....	58.1	62.0	65.2	66.2	67.8	68.6	69.2	70.0		48.9	51.3	53.0	53.5	54.6	55.0	55.0	54.4
Addendum: Auto product.....	17.7	21.9	24.4	24.3	25.6	25.8	26.4	26.8		14.8	18.3	20.4	20.4	21.6	21.7	22.0	22.1

**Table 5.—Relation of Gross National Product, National Income and Personal Income (I-17, I-18)**

[Billions of dollars]

	1961	1962	1963	1963		1964		
				III	IV	I	II	III
Seasonally adjusted at annual rates								
<b>Gross national product</b>	<b>518.7</b>	<b>556.2</b>	<b>583.9</b>	<b>587.2</b>	<b>599.0</b>	<b>608.8</b>	<b>618.6</b>	<b>628.4</b>
Less: Capital consumption allowances	44.5	48.7	50.8	51.2	51.7	52.5	53.1	53.7
<b>Equals: Net national product</b>	<b>474.1</b>	<b>507.5</b>	<b>533.1</b>	<b>536.0</b>	<b>547.3</b>	<b>556.3</b>	<b>565.5</b>	<b>574.8</b>
Less: Indirect business tax and non-tax liability	49.0	52.8	55.9	56.1	57.3	57.9	59.0	60.1
Business transfer payments	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5
Statistical discrepancy	-2.6	-1.8	-2.7	-3.5	-1.8	-1.6	-2.4	-1.4
Plus: Subsidies less current surplus of government enterprises	1.6	1.6	1.0	.9	.7	1.0	.7	.9
<b>Equals: National income</b>	<b>426.9</b>	<b>455.6</b>	<b>478.5</b>	<b>481.9</b>	<b>490.0</b>	<b>498.4</b>	<b>507.1</b>	<b>514.5</b>
Less: Corporate profits and inventory valuation adjustment	44.1	48.4	50.8	51.4	53.1	56.4	57.9	58.1
Contributions for social insurance	21.4	23.9	26.9	27.1	27.5	28.0	28.4	29.0
Excess of wage accruals over disbursements	0	0	0	0	0	0	0	.1
Plus: Government transfer payments to persons	31.3	32.3	34.3	34.0	34.7	35.9	35.5	35.5
Net interest paid by government	7.4	8.0	8.6	8.7	8.8	9.1	9.3	9.2
Dividends	15.2	16.5	18.0	17.9	19.1	19.4	19.8	20.0
Business transfer payments	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5
<b>Equals: Personal income</b>	<b>417.6</b>	<b>442.4</b>	<b>464.1</b>	<b>466.3</b>	<b>474.5</b>	<b>480.9</b>	<b>487.9</b>	<b>494.5</b>

<sup>1</sup> See footnote table 2.

Table 6.—Government Receipts and Expenditures (III-3, III-4)

[Billions of dollars]

	1961	1962	1963	1963		1964		
				III	IV	I	II	III
Seasonally adjusted at annual rates								
<b>Federal Government receipts</b>	98.3	106.4	113.6	114.2	117.2	114.8	112.3	114.6
Personal tax and nontax receipts	45.1	49.1	51.9	52.2	53.4	51.2	47.3	48.2
Corporate profits tax accruals	20.9	21.8	23.0	23.0	24.4	23.9	24.4	24.4
Indirect business tax and nontax accruals	14.1	15.1	15.6	15.7	15.9	15.9	16.4	16.6
Contributions for social insurance	18.2	20.5	23.0	23.2	23.5	23.9	24.2	24.7
<b>Federal Government expenditures</b>	102.6	110.4	115.2	114.9	116.6	117.2	120.2	119.2
Purchases of goods and services	57.4	62.9	64.7	64.4	64.9	64.3	67.1	65.5
Transfer payments	27.4	28.3	29.9	29.6	30.3	31.1	30.7	30.8
To persons	25.8	26.7	28.3	28.0	28.6	29.5	29.1	29.1
Foreign (net)	1.6	1.6	1.6	1.6	1.7	1.5	1.6	1.7
Grants-in-aid to State and local governments	7.2	8.0	9.1	9.4	9.9	9.8	10.4	10.6
Net interest paid	6.7	7.1	7.7	7.8	7.9	8.3	8.4	8.4
Subsidies less current surplus of government enterprises	3.9	4.2	3.8	3.7	3.5	3.7	3.6	3.9
<b>Surplus or deficit (-) on income and product account</b>	-4.3	-4.1	-1.5	-1.7	.6	-2.4	-7.8	-1-5.2
<b>State and local government receipts</b>	54.5	59.5	64.4	64.9	66.7	67.8	69.2	70.6
Personal tax and nontax receipts	7.8	8.8	9.6	9.7	9.9	10.2	10.5	10.6
Corporate profits tax accruals	1.3	1.4	1.5	1.5	1.6	1.6	1.6	1.6
Indirect business tax and nontax accruals	34.9	37.8	40.2	40.4	41.3	42.1	42.6	43.4
Contributions for social insurance	3.2	3.5	3.9	3.9	4.0	4.1	4.2	4.3
Federal grants-in-aid	7.2	8.0	9.1	9.4	9.9	9.8	10.4	10.6
<b>State and local government expenditures</b>	54.4	57.3	62.0	62.4	64.0	65.3	66.9	68.3
Purchases of goods and services	50.6	53.5	57.9	58.4	59.9	60.9	62.5	64.1
Transfer payments to persons	5.4	5.6	6.0	6.0	6.1	6.3	6.4	6.4
Net interest paid	.8	.8	.8	.8	.8	.9	.9	.9
Less: Current surplus of government enterprises	2.4	2.6	2.8	2.8	2.8	2.8	2.9	3.0
<b>Surplus or deficit (-) on income product account</b>	.1	2.1	2.4	2.4	2.7	2.4	2.3	12.3

**Table 7.—Personal Consumption Expenditures by Major Type  
(II-6)**

[Billions of dollars]

	1961	1962	1963	1963		1964		
				III	IV	I	II	III
Seasonally adjusted at annual rates								
<b>Goods and services total</b>	<b>337.3</b>	<b>356.8</b>	<b>375.0</b>	<b>377.4</b>	<b>381.3</b>	<b>390.0</b>	<b>396.1</b>	<b>404.6</b>
Durable goods, total	43.7	48.4	52.1	52.2	53.6	55.9	57.0	58.7
Automobiles and parts	17.1	20.6	22.7	22.6	23.2	24.3	24.1	25.6
Furniture and household equipment	19.3	20.2	21.4	21.6	22.3	23.1	24.2	24.2
Other	7.3	7.6	8.0	8.0	8.2	8.5	8.8	8.8
<b>Nondurable goods, total</b>	<b>155.4</b>	<b>162.0</b>	<b>167.5</b>	<b>168.6</b>	<b>168.9</b>	<b>172.9</b>	<b>175.3</b>	<b>179.3</b>
Food and beverages	81.3	84.6	87.1	87.3	87.8	89.7	90.6	92.9
Clothing and shoes	28.7	29.9	30.7	31.3	30.9	32.1	33.2	33.8
Gasoline and oil	11.9	12.3	12.8	12.9	13.0	13.3	13.5	13.5
Other	33.6	35.2	36.9	37.1	37.3	37.8	38.6	39.3
<b>Services, total</b>	<b>138.3</b>	<b>146.4</b>	<b>155.3</b>	<b>156.6</b>	<b>158.8</b>	<b>161.1</b>	<b>163.8</b>	<b>166.1</b>
Housing	44.2	46.5	48.9	49.2	49.8	50.5	51.3	51.3
Household operation	20.4	21.6	22.7	22.9	23.0	23.5	24.6	24.1
Transportation	10.7	11.3	11.7	11.7	11.8	12.0	12.3	12.3
Other	63.0	67.0	72.0	72.7	74.1	75.1	76.6	77.1

**Table 8.—Foreign Transactions in the National Income Account**  
 (IV-2)

[Billions of dollars]

	1961	1962	1963	1963		1964		
				III	IV	I	II	III
				Seasonally adjusted at annual rates				
<b>Receipts from abroad</b>	27.6	29.2	30.7	31.0	32.6	34.5	33.7	35.7
Exports of goods and services	27.6	29.2	30.7	31.0	32.6	34.5	33.7	35.7
<b>Payments to abroad</b>	27.6	29.2	30.7	31.0	32.6	34.5	33.7	35.7
Imports of goods and services	23.0	25.2	26.3	26.8	26.9	26.8	27.9	28.1
Net transfer payments by government	1.6	1.6	1.6	1.6	1.7	1.5	1.6	1.1
Net foreign investment	3.0	2.4	2.8	2.6	4.1	6.2	4.1	5.1

Table 9.—Sources and Uses of Gross Saving (V-2)

[Billions of dollars]

	1961	1962	1963	1963		1964		
				III	IV	I	II	III
Seasonally adjusted at annual rate								
<b>Gross private saving</b>	78.5	85.3	86.7	87.2	89.6	93.7	99.2	106.1
Personal saving	27.3	27.8	27.5	27.0	29.9	29.5	34.0	31.1
Undistributed corporate profits	6.7	8.5	8.7	8.9	9.2	11.8	12.1	11.2
Corporate inventory valuation adjustment	-.1	.3	-.4	.2	-1.2	-.2	-.1	-.1
Capital consumption allowances	44.5	48.7	50.8	51.2	51.7	52.5	53.1	53.1
Excess of wage accruals over disbursements	0	0	0	0	0	0	0	0
<b>Government surplus on income and product transactions</b>	-4.2	-1.9	.9	1.7	3.3	9	-5.5	1-2.6
Federal	-4.3	-4.1	-1.5	-.7	.6	-2.4	-7.8	-5.5
State and local	1.1	2.1	2.4	2.4	2.7	2.4	2.3	2.6
<b>Gross investment</b>	71.8	81.5	84.8	85.4	91.1	92.1	91.3	92.1
Gross private domestic investment	68.8	79.1	82.0	82.8	87.1	85.9	87.2	87.1
Net foreign investment	3.0	2.4	2.8	2.6	4.1	6.2	4.1	5.0
<b>Statistical discrepancy</b>	-2.6	-1.8	-2.7	-3.5	-1.8	-1.6	-2.4	-1.1

\* Revised.

<sup>1</sup> See footnote table 2.

# Current BUSINESS STATISTICS



**T**HE STATISTICS here update series published in the 1963 edition of BUSINESS STATISTICS, biennial Statistical Supplement to the SURVEY OF CURRENT BUSINESS. That volume (price \$2.00) contains data by months, or quarters, for the years 1959 through 1962 (1951-62, for major quarterly series) and averages of monthly or quarterly data for all years back to 1939; it also provides a description of each series and references to sources of earlier figures. Series added or significantly revised after the 1963 BUSINESS STATISTICS went to press are indicated by an asterisk (\*), and a dagger (†), respectively; certain revisions for 1962 issued too late for inclusion in the aforementioned volume appear in the monthly SURVEY beginning with the August 1963 issue. Also, unless otherwise noted, revised monthly data (for periods not shown herein) corresponding to revised monthly averages are available upon request.

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Unless otherwise stated, statistics through 1962 and descriptive notes are shown in the 1963 edition of BUSINESS STATISTICS	1961	1962	1963	1961		1962				1963				1964		
				III	IV	I	II	III	IV	I	II	III	IV	I	II	III
	Seasonally adjusted quarterly totals at annual rates															

## GENERAL BUSINESS INDICATORS—Quarterly Series

NATIONAL INCOME AND PRODUCT																	
National income, total†.....	bil. \$.	426.9	455.6	478.5	429.7	442.4	447.2	454.3	457.8	463.2	467.9	474.6	481.9	490.0	498.4	507.1	+ 514.5
Compensation of employees, total.....	do.	302.2	323.1	340.3	304.7	310.7	316.6	322.4	325.3	328.0	332.7	338.1	342.7	347.7	352.5	358.6	364.8
Wages and salaries, total.....	do.	278.8	297.1	312.1	281.1	286.8	291.2	296.6	299.2	301.6	305.3	310.1	314.3	318.8	323.2	328.7	334.4
Private.....	do.	227.0	241.6	252.9	228.9	233.2	236.5	241.5	243.5	244.8	247.5	251.6	255.0	257.6	260.6	265.3	269.4
Military.....	do.	10.2	10.8	10.9	10.0	10.8	11.1	11.0	10.7	10.5	10.6	10.7	10.7	11.7	11.7	11.8	
Government civilian.....	do.	41.6	44.7	48.3	42.2	42.8	43.6	44.1	45.0	46.3	47.2	47.8	48.7	49.6	50.7	51.7	53.2
Supplements to wages and salaries.....	do.	23.4	25.9	28.2	23.6	23.9	25.4	25.8	26.1	26.4	27.4	27.9	28.4	28.8	29.4	29.9	30.4
Proprietors' income, total‡.....	do.	48.2	49.8	50.6	48.5	49.6	50.0	49.9	49.7	49.7	50.3	50.1	50.7	51.5	51.2	51.7	52.1
Business and professional.....	do.	35.3	36.6	37.6	35.7	36.3	36.3	36.6	36.7	36.9	37.1	37.3	37.8	38.3	38.6	39.1	39.6
Farm.....	do.	12.9	13.2	13.6	12.8	13.3	13.7	13.0	12.8	13.2	12.8	12.9	13.2	12.6	12.6	12.6	
Rental income of persons.....	do.	12.2	12.2	12.3	12.2	12.2	12.2	12.2	12.2	12.2	12.3	12.3	12.4	12.4	12.4	12.4	
Corporate profits and inventory valuation adjustment, total.....	bil. \$.	44.1	48.4	50.8	44.0	49.0	47.1	48.0	48.3	50.3	49.1	50.2	51.4	53.1	56.4	57.9	+ 58.1
Corporate profits before tax, total.....	do.	44.2	48.2	51.3	44.3	49.3	47.2	47.9	48.1	49.4	48.9	51.1	51.3	54.3	56.6	57.9	+ 58.0
Corporate profits tax liability.....	do.	22.3	23.2	24.6	22.3	24.8	22.7	23.0	23.1	23.8	23.4	24.5	24.5	26.0	26.0	26.0	
Corporate profits after tax.....	do.	21.9	25.0	26.7	22.0	24.5	24.5	24.9	25.0	25.7	25.5	26.6	26.7	28.3	31.2	31.9	+ 32.0
Dividends.....	do.	15.2	16.5	18.0	15.1	15.7	16.1	16.4	16.5	17.1	17.2	17.7	17.9	19.1	19.4	19.8	+ 20.0
Undistributed profits.....	do.	6.7	8.5	8.7	6.9	8.8	8.4	8.5	8.5	8.6	8.3	8.9	9.2	11.8	12.1	12.0	
Inventory valuation adjustment.....	do.	-1.1	-1.3	-1.4	-1.3	-1.1	-1.6	-1.1	-1.9	-1.2	-1.9	-1.2	-1.2	-1.2	-1.1	-1.1	
Net interest.....	do.	20.1	22.1	24.4	20.4	20.9	21.3	21.8	22.3	22.9	23.5	24.0	24.7	25.4	25.9	26.5	27.1
Gross national product, total†.....	do.	518.7	556.2	583.9	522.4	536.9	545.5	553.4	559.0	566.6	571.8	577.4	587.2	599.0	608.8	618.6	+ 628.4
Personal consumption expenditures, total.....	do.	337.3	356.8	375.0	339.1	345.2	350.5	354.0	358.5	364.0	369.2	372.0	377.4	381.3	390.0	396.1	+ 404.6
Durable goods, total§.....	do.	45.7	48.4	52.1	44.3	46.0	47.4	47.7	48.4	50.2	51.1	51.5	52.2	53.6	55.9	57.0	+ 58.7
Automobiles and parts.....	do.	17.1	20.6	22.7	17.4	19.7	20.3	20.5	21.8	22.4	22.6	23.2	24.3	24.1	25.6		
Furniture and household equipment.....	do.	19.3	20.2	21.4	19.5	19.9	20.1	19.9	20.3	20.6	20.8	21.0	21.6	22.3	23.1	24.2	+ 24.2
Non durable goods, total§.....	do.	155.4	162.0	167.5	155.7	157.8	159.5	161.0	162.9	164.4	166.0	166.6	168.9	172.9	175.3	179.5	
Clothing and shoes.....	do.	28.7	29.9	30.7	29.7	29.4	29.6	29.7	30.0	30.2	30.4	30.1	31.3	30.9	32.1	33.2	+ 33.8
Food and alcoholic beverages.....	do.	81.3	84.6	87.1	81.4	82.2	83.2	84.1	85.2	85.9	86.4	86.9	87.3	87.8	89.7	90.6	+ 92.8
Gasoline and oil.....	do.	11.9	12.3	12.8	11.9	12.0	12.2	12.3	12.3	12.5	12.7	12.8	12.9	13.0	13.3	13.5	
Services, total§.....	do.	138.3	146.4	155.3	139.1	141.4	143.6	145.3	147.2	149.5	152.1	153.9	156.6	158.8	161.1	163.8	+ 166.4
Household operation.....	do.	20.4	21.6	22.7	20.6	20.9	21.3	21.3	21.7	22.0	22.4	22.4	22.9	23.6	23.5	24.0	+ 24.8
Housing.....	do.	44.2	46.5	48.9	44.4	45.0	45.6	46.2	46.8	47.5	48.0	48.6	49.2	49.8	50.5	51.1	+ 51.8
Transportation.....	do.	10.7	11.3	11.7	10.7	11.8	11.1	11.2	11.4	11.5	11.6	11.7	11.8	12.0	12.2	12.2	+ 12.2
Gross private domestic investment, total.....	do.	68.8	79.1	82.0	71.3	74.9	77.4	78.9	80.2	79.9	77.9	80.2	82.8	87.1	85.9	87.2	+ 87.3
New construction.....	do.	41.0	44.2	46.6	41.3	41.9	42.5	44.1	45.5	44.9	44.7	45.9	47.2	48.3	49.2	48.9	+ 48.9
Residential nonfarm.....	do.	21.1	25.6	25.2	21.5	22.7	23.5	23.5	24.4	24.6	24.3	25.1	25.4	26.2	26.9	26.2	+ 25.7
Producers' durable equipment.....	do.	25.9	29.0	31.7	26.3	27.4	28.1	28.8	29.6	29.7	30.7	31.4	32.4	34.2	34.6	+ 35.6	
Change in business inventories.....	do.	1.9	5.9	4.4	2.7	5.6	6.9	5.1	5.4	5.6	5.6	5.6	4.2	6.4	3.7	+ 3.8	+ 3.8
Nonfarm.....	do.	1.5	5.3	3.9	3.3	5.2	6.4	5.5	4.4	4.8	3.6	3.2	3.7	6.0	2.2	3.4	+ 2.7
Net exports of goods and services.....	do.	4.6	4.0	4.4	4.2	4.3	3.4	4.4	4.4	3.9	3.4	4.3	4.2	5.8	7.7	5.7	+ 7.0
Exports.....	do.	27.6	29.2	30.7	27.8	28.4	28.0	29.6	29.7	29.4	28.8	30.5	31.0	32.6	34.5	33.7	+ 35.7
Imports.....	do.	23.0	25.2	26.3	23.7	24.1	24.6	25.3	25.5	25.4	25.4	26.3	26.8	26.8	27.9	28.7	
Govt. purchases of goods and services, total.....	do.	108.0	116.3	122.6	107.9	112.6	114.3	116.1	115.9	118.7	121.4	120.9	122.8	124.8	125.2	129.6	+ 129.5
Federal (less government sales).....	do.	57.4	62.9	64.7	57.1	59.8	61.4	63.6	62.4	63.8	65.1	64.3	64.4	64.3	67.1	+ 65.5	
National defense §.....	do.	49.0	52.6	55.2	48.6	50.9	52.5	53.5	53.5	53.5	55.2	55.5	55.5	55.3	54.0	57.0	+ 55.2
State and local.....	do.	50.6	53.5	57.9	50.9	52.8	52.5	53.5	54.8	56.3	56.7	58.4	59.9	60.9	62.5	+ 64.1	
By major type of product:†																	
Final sales, total.....	do.	516.8	550.3	579.5	518.7	531.4	538.7	547.3	554.0	561.2	568.2	573.7	583.0	592.6	606.4	614.9	625.7
Goods, total.....	do.	257.9	273.6	285.8	258.8	264.8	268.9	273.5	279.2	280.9	286.5	285.7	290.3	298.2	304.3	310.5	
Durable goods.....	do.	94.5	102.3	108.2	95.4	98.4	100.2	103.5	101.4	104.1	105.0	111.0	106.6	110.4	114.3	119.0	120.7
Non durable goods.....	do.	163.4	171.3	177.6	163.4	166.5	168.7	170.0	172.6	174.1	175.8	175.5	179.1	183.9	185.4	189.8	
Services.....	do.	200.8	214.7	228.4	201.8	206.8	210.0	212.2	216.8	220.0	224.7	223.5	231.2	234.5	239.6	241.7	246.0
Construction.....	do.	58.1	62.0	65.2	58.2	59.7	59.8	61.6	63.2	63.0	62.7	63.7	66.2	67.8	68.6	68.9	69.2
Inventory change, total.....	do.	1.9	5.9	4.4	3.7	5.6	6.9	6.1	5.1	5.4	3.6	3.6	4.2	6.4	2.5	3.7	2.8
Durable goods.....	do.	-1.1	3.0	2.2	2.3	3.6	3.9	3.1	3.1	1.8	1.5	2.7	1.5	3.0	.7	2.5	1.3
Non durable goods.....	do.	2.0	2.9	2.2	1.4	2.0	2.9	3.0	2.0	3.6	2.0	.9	2.7	3.4	1.8	1.2	1.5

\* Revised. Preliminary. †Revised series. Estimates of national income and product and personal income have been revised back to 1961 (see p. 8 ff. of the July 1964 SURVEY); revisions prior to May 1963 for personal income appear on p. 15 of the July 1964 SURVEY.

§ Includes inventory valuation adjustment. ⊕ Includes data not shown separately.

¶ Government sales are not deducted.

Unless otherwise stated, statistics through 1962  
and descriptive notes are shown in the 1963  
edition of BUSINESS STATISTICS

	1961	1962	1963	1961	1962				1963				1964				
	Annual total		IV	I	II	III	IV	I	II	III	IV	I	II	III	IV		
<b>GENERAL BUSINESS INDICATORS—Quarterly Series—Continued</b>																	
<b>NATIONAL INCOME AND PRODUCT—Con.</b>																	
<i>Quarterly Data Seasonally Adjusted at Annual Rates</i>																	
GDP in constant (1954) dollars																	
Gross national product, total†..... bbl. \$	447.9	476.4	492.6	462.5	469.1	475.1	478.3	483.0	485.4	487.9	494.8	502.0	508.0	513.5	519.6		
Personal consumption expenditures, total do.....	303.8	318.5	330.6	310.0	314.2	316.6	319.8	323.6	327.0	328.6	332.4	334.4	340.9	345.0	351.8		
Durable goods..... do.....	41.4	45.7	49.3	43.7	44.8	44.9	45.6	47.6	48.5	48.6	49.4	50.8	53.1	54.0	55.6		
Non durable goods..... do.....	143.5	148.3	151.6	145.6	146.6	147.8	149.1	149.5	150.7	151.1	152.5	152.1	155.2	157.4	160.9		
Services..... do.....	118.9	124.5	129.7	120.8	122.7	123.8	125.0	126.5	128.9	130.6	131.6	132.6	133.7	135.3			
Gross private domestic investment, total do.....	57.4	65.9	67.7	62.7	64.8	65.8	66.3	66.5	64.7	66.2	68.1	71.7	70.1	70.8	70.4		
New construction..... do.....	34.3	36.7	37.9	35.2	35.5	36.6	37.5	37.0	36.8	37.5	38.2	39.0	39.6	39.2	38.6		
Producers' durable equipment..... do.....	21.4	24.0	25.6	22.7	23.2	23.8	24.4	24.7	24.6	25.4	25.9	26.8	28.1	28.3	29.2		
Change in business inventories..... do.....	1.7	5.2	4.1	4.8	6.1	5.4	4.4	4.9	3.4	3.3	4.0	5.9	2.4	3.3	2.5		
Net exports of goods and services..... do.....	2.5	2.2	2.2	2.1	1.3	2.8	2.8	2.1	1.3	2.1	2.0	3.5	5.4	3.4	4.5		
Govt. purchases of goods and services, total do.....	84.3	89.8	92.1	87.7	88.8	89.9	89.4	90.7	92.4	91.0	92.3	92.4	91.6	94.3	92.8		
Federal..... do.....	44.8	49.4	49.7	47.0	48.4	50.2	49.2	49.9	50.7	49.4	49.6	48.9	47.8	49.8	47.8		
State and local..... do.....	39.4	40.3	42.4	40.7	40.4	39.8	40.2	40.9	41.8	41.7	42.7	43.4	43.8	44.5	45.0		
<b>DISPOSITION OF PERSONAL INCOME†</b>																	
<i>Quarterly Data Seasonally Adjusted at Annual Rates</i>																	
Personal income, total..... bbl. \$	417.6	442.4	464.1	428.6	434.7	441.0	444.5	449.7	455.2	460.2	466.3	474.5	480.9	487.9	494.5		
Less: Personal tax and nontax payments..... do.....	52.9	57.9	61.6	54.4	56.1	57.6	58.5	59.3	60.1	61.1	61.9	63.3	61.4	57.7	58.8		
Equals: Disposable personal income..... do.....	364.7	384.6	402.5	374.2	378.5	384.4	386.0	390.4	395.1	399.1	404.4	411.2	419.5	430.2	435.6		
Personal saving \$..... do.....	27.3	27.8	27.5	29.1	28.0	29.4	27.5	26.4	25.9	27.1	27.0	29.9	29.5	34.0	31.0		
<b>NEW PLANT AND EQUIPMENT EXPENDITURES</b>																	
Unadjusted quarterly or annual totals:																	
All industries..... bbl. \$	34.37	37.31	39.22	9.54	8.02	9.50	9.62	10.18	8.25	9.74	10.14	11.09	9.40	11.11	11.28	212.43	
Manufacturing..... do.....	13.68	14.68	15.69	3.88	3.14	3.69	3.72	4.13	3.27	3.92	3.95	4.56	3.79	4.53	4.64	5.30	
Durable goods industries..... do.....	6.27	7.03	7.85	1.79	1.44	1.77	1.79	2.03	1.62	1.96	2.31	1.93	2.30	2.31	2.66		
Non durable goods industries..... do.....	7.40	7.65	7.84	2.09	1.69	1.92	1.93	2.10	1.65	1.95	2.25	1.87	2.23	2.33	2.64		
Mining..... do.....	.98	1.08	1.04	.26	.26	.27	.28	.27	.24	.26	.27	.28	.26	.29	.28		
Railroads..... do.....	.67	.85	1.10	.16	.16	.26	.24	.20	.21	.28	.29	.33	.32	.36	.34	.44	
Transportation, other than rail..... do.....	1.85	2.07	1.92	.50	.47	.60	.50	.50	.39	.54	.45	.54	.51	.62	.56	.61	
Public utilities..... do.....	5.52	5.48	5.65	1.54	1.06	1.37	1.54	1.52	1.04	1.40	1.60	1.61	1.18	1.58	1.63	1.69	
Communications..... do.....	3.22	3.63	3.79	.88	.88	.93	.87	.95	.85	.95	.93	1.06	.97	1.10			
Commercial and other..... do.....	8.46	9.52	10.03	2.32	2.06	2.37	2.48	2.60	2.26	2.41	2.64	2.72	2.37	2.61	3.81	3.411	
Seas. adj. qtrly. totals at annual rates:																	
All industries..... do.....					35.40	35.70	36.95	38.35	37.95	36.95	38.05	40.00	41.20	42.55	43.50	44.55	246.15
Manufacturing..... do.....					14.00	14.20	14.45	15.05	15.00	14.85	15.30	15.95	16.45	17.40	17.80	18.70	19.05
Durable goods industries..... do.....					6.40	6.55	6.95	7.25	7.30	7.35	7.65	8.00	8.30	8.85	9.00	9.35	9.50
Non durable goods industries..... do.....					7.60	7.60	7.50	7.80	7.70	7.50	7.65	8.00	8.15	8.55	8.80	9.35	9.55
Mining..... do.....					1.00	1.15	1.05	1.10	1.00	1.05	1.00	1.05	1.05	1.15	1.15	1.15	1.10
Railroads..... do.....					.60	.70	.95	1.00	.80	.90	1.00	1.20	1.35	1.40	1.25	1.40	1.90
Transportation, other than rail..... do.....					1.95	2.05	2.25	2.00	1.90	1.70	2.05	1.85	2.10	2.30	2.25	2.25	2.45
Public utilities..... do.....					5.55	5.15	5.40	5.75	5.45	5.20	5.45	5.90	5.80	5.95	6.30	6.00	6.00
Communications..... do.....					3.35	3.70	3.65	3.60	3.60	3.55	3.65	3.85	4.05	4.05	4.30		
Commercial and other..... do.....					9.00	8.75	9.25	9.85	10.20	9.65	10.20	10.45	10.25	10.45	10.45	10.45	15.60
<b>BUSINESS POPULATION</b>																	
Firms in operation, end of quarter (seasonally adjusted)..... thous.	44,713	44,755	44,797	4,770	4,780	4,790	4,800	4,815	4,825	4,835	4,850	4,860	4,875	4,895	4,910		
<b>U.S. BALANCE OF INTERNATIONAL PAYMENTS†‡</b>																	
<i>Quarterly Data are Seasonally Adjusted</i>																	
U.S. payments, recorded..... mil. \$	31,791	33,486	35,990	8,616	8,447	8,151	8,312	8,576	8,724	9,713	8,482	9,071	9,219	9,742			
Imports:																	
Merchandise..... do.....	14,497	16,134	16,996	3,881	3,948	4,058	4,088	4,040	4,037	4,212	4,368	4,379	4,366	4,576	p 4,740		
Military expenditures..... do.....	2,954	3,044	2,897	714	758	749	745	792	747	731	711	708	717	731			
Other services..... do.....	5,401	5,843	6,442	1,389	1,412	1,462	1,465	1,504	1,543	1,588	1,654	1,657	1,662	1,702			
Remittances and pensions..... do.....	705	738	826	174	187	189	177	185	209	209	206	202	197	208			
Govt. grants and capital outflows..... do.....	4,054	4,293	4,522	1,206	1,074	1,066	1,088	1,060	1,336	1,009	1,117	923	1,130				
U.S. private capital (net)..... do.....	4,180	3,434	4,307	1,252	1,068	628	771	967	1,128	1,637	534	1,008	1,354	1,395			
Direct investments..... do.....	1,599	1,654	1,888	377	260	446	417	531	618	477	235	558	517	513			
Long-term portfolio..... do.....	1,025	1,227	1,685	445	390	303	208	326	546	598	308	238	227	261			
Short-term..... do.....	1,556	553	734	430	418	-121	146	110	-36	562	-4	212	610	621			
U.S. receipts, recorded..... do.....	30,419	32,394	33,685	7,717	7,706	7,925	8,408	8,355	7,780	8,429	8,596	8,880	9,326	9,040			
Exports:																	
Merchandise..... do.....	19,913	20,576	21,989	5,121	5,032	5,237	5,288	5,019	4,990	5,472	5,610	5,917	6,112	6,042	p 6,390		
Services and military sales..... do.....	8,525	9,508	10,031	2,187	2,198	2,397	2,339	2,574	2,545	2,505	2,427	2,554	2,885	2,756			
Repayments on U.S. Govt. loans..... do.....	1,274	1,280	969	196	150	237	606	287	166	190	424	189	216	188			
Foreign capital other than liquid funds (net)..... do.....	707	1,030	696	213	326	54	175	475	79	262	135	220	113	54			
Excess of recorded receipts or payments (-)..... do.....	-1,372	-1,092	-2,305	-899	-741	-226	96	-221	-944	-1,284	114	-191	107	-702			
Unrecorded transactions (net)..... do.....	-998	-1,111	-339	-332	-7	-214	-430	-460	-118	-11	-267	57	-192	-31			
Total, net receipts or payments (-)..... do.....	-2,370	-2,203	-2,644	-1,231	-748	-440	-334	-681	-1,062	-1,295	-153	-134	-85	-733	p -565		
Net receipts or payments (-), incl. transactions in nonmarketable, medium-term convertible Govt. securities..... mil. \$				-1,942					-712	-1,143	22	-109	-85	-611	-362		

\* Revised. \*\* Preliminary.</p

Unless otherwise stated, statistics through 1962 and descriptive notes are shown in the 1963 edition of BUSINESS STATISTICS

	1962	1963	1963				1964									
	Monthly average		Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>GENERAL BUSINESS INDICATORS—Monthly Series</b>																
<b>PERSONAL INCOME, BY SOURCE†</b>																
Seasonally adjusted, at annual rates:																
Total personal income..... bll. \$.	1442.4	1464.1	468.9	472.7	473.8	477.1	479.4	480.5	482.9	486.6	487.8	489.3	491.4	494.9	497.9	498.6
Wage and salary disbursements, total..... do....	297.1	312.1	316.0	318.2	318.3	320.0	320.8	323.6	325.1	327.7	328.7	330.1	331.8	334.6	337.2	337.3
Commodity-producing industries, total..... do....	118.5	123.3	125.0	125.4	125.1	126.0	125.6	127.1	127.4	128.8	128.7	129.4	129.9	130.8	132.1	131.6
Manufacturing only..... do....	94.2	98.0	99.4	99.7	99.7	100.2	100.0	100.7	101.1	102.3	102.3	102.7	103.0	103.8	105.1	103.7
Distributive industries..... do....	76.6	80.3	81.5	81.8	81.8	82.0	82.4	82.8	83.1	83.7	84.2	84.6	85.2	85.7	86.3	86.6
Service industries..... do....	46.4	49.3	49.9	50.0	50.1	50.5	50.8	51.4	51.9	52.1	52.3	52.4	52.6	52.9	53.4	53.7
Government..... do....	55.6	59.2	59.7	61.0	61.3	61.5	62.1	62.4	63.0	63.4	63.8	64.1	65.1	65.4	66.0	66.0
Other labor income..... do....	12.3	13.1	13.3	13.4	13.5	13.6	13.7	13.8	13.9	14.0	14.1	14.2	14.3	14.4	14.4	14.4
Proprietors' income:																
Business and professional..... do....	36.6	37.6	37.9	38.2	38.2	38.4	38.3	38.7	38.8	39.0	39.1	39.3	39.5	39.6	39.7	39.8
Farm..... do....	13.2	13.0	12.9	13.2	13.2	12.8	12.6	12.4	12.5	12.6	12.6	12.7	12.7	12.7	12.7	12.7
Rental income of persons..... do....	12.2	12.3	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.5	12.5
Dividends..... do....	16.5	18.0	18.0	18.5	18.8	20.1	19.3	19.4	19.6	19.8	19.9	20.0	19.9	19.9	19.9	19.9
Personal interest income..... do....	30.0	32.9	33.7	34.0	34.2	34.4	34.7	35.0	35.3	35.5	35.7	35.9	36.0	36.2	36.5	36.8
Transfer payments..... do....	34.7	36.7	36.6	37.1	37.2	37.2	37.5	37.5	37.8	38.2	38.0	37.6	37.8	38.0	38.0	38.2
Less personal contributions for social insurance..... bll. \$.	10.3	11.8	11.8	12.1	11.9	12.1	12.2	12.3	12.4	12.5	12.5	12.6	12.7	12.8	12.9	13.0
Total nonagricultural income..... do....	424.9	446.6	451.6	455.1	456.1	459.5	462.1	463.5	466.1	469.7	470.7	472.1	474.4	477.8	480.6	481.3
<b>FARM INCOME AND MARKETING§</b>																
Cash receipts from farming, including Government payments (48 States), total..... mil. \$.	3,151	3,218	3,843	5,338	4,324	3,473	3,454	2,511	2,610	2,533	2,314	2,512	2,726	3,431	3,743	
Farm marketings and CCC loans, total..... do....	3,006	3,077	3,512	4,727	4,261	3,425	3,373	2,354	2,414	2,434	2,294	2,495	2,683	2,925	3,483	
Crops..... do....	1,339	1,420	1,808	2,701	2,463	1,886	1,692	870	773	781	723	970	1,124	1,315	1,717	
Livestock and products, total..... do....	1,668	1,657	1,705	2,026	1,738	1,539	1,681	1,484	1,641	1,653	1,571	1,525	1,562	1,610	1,766	
Dairy products..... do....	403	403	384	408	399	409	417	398	432	427	452	418	400	396	381	
Meat animals..... do....	971	952	1,006	1,277	1,026	823	950	809	899	931	819	873	902	1,051		
Poultry and eggs..... do....	269	275	298	330	309	285	277	241	262	256	254	272	296	301	301	
Indexes of cash receipts from marketings and CCC loans, unadjusted:																
All commodities..... 1957-59=100.....	112	115	131	176	156	128	126	88	90	91	85	93	100	109	120	
Crops..... do....	117	129	158	236	215	165	148	76	68	65	85	98	115	130	130	
Livestock and products..... do....	108	108	111	132	113	100	109	96	107	102	99	101	105	115	125	
Indexes of volume of farm marketings, unadjusted:																
All commodities..... 1957-59=100.....	111	115	131	176	159	131	128	89	90	91	88	101	110	117	130	
Crops..... do....	112	118	151	227	210	166	145	70	56	52	48	84	107	120	130	
Livestock and products..... do....	110	113	115	138	121	110	115	103	115	126	117	114	112	114	122	
<b>INDUSTRIAL PRODUCTION§</b>																
<i>Federal Reserve Index of Quantity Output</i>																
Unadj., total index (incl. utilities) 1957-59=100.....	118.3	124.3	128.3	129.9	127.0	124.7	125.7	128.3	129.0	131.7	132.3	133.9	127.6	132.9	136.7	135.4
By industry groupings:																
Manufacturing, total..... do....	118.7	124.9	128.8	131.2	128.2	125.2	125.8	129.1	130.0	133.0	133.7	135.2	127.9	133.0	137.6	136.5
Durable manufactures..... do....	117.9	124.5	126.6	129.3	127.3	126.7	129.5	131.3	134.1	134.8	136.4	128.8	129.7	136.9	135.3	
Nondurable manufactures..... do....	119.8	125.3	131.5	133.6	128.0	122.6	124.7	128.5	128.4	131.7	132.3	133.6	126.7	137.2	138.5	140.2
Mining..... do....	105.0	107.9	111.3	111.0	108.1	107.0	107.9	108.3	107.6	109.8	111.7	112.6	107.0	113.0	114.3	114.3
Utilities..... do....	131.4	140.0														
By market groupings:																
Final products, total..... do....	119.7	124.9	129.9	131.8	127.6	125.5	126.7	128.5	128.5	130.7	130.5	133.3	127.5	131.3	136.7	134.8
Consumer goods..... do....	119.7	125.2	131.7	134.1	128.3	124.0	126.1	128.9	127.7	130.3	130.0	133.2	126.3	131.3	137.7	134.8
Automotive and home goods..... do....	125.9	134.4	135.4	148.6	147.7	141.7	138.7	144.4	144.1	148.3	145.9	149.6	128.6	117.1	144.3	135
Apparel and staples..... do....	117.8	122.3	130.5	129.5	122.2	118.3	122.1	124.0	124.0	122.5	124.9	127.9	125.6	135.9	135.6	135
Equipment, including defense..... do....	119.6	124.2	126.2	126.8	126.1	128.8	128.0	127.5	130.1	131.5	131.8	135.5	130.1	131.3	134.4	134.8
Materials..... do....	117.0	123.7	126.8	128.2	126.5	123.9	124.9	128.1	129.6	132.6	133.9	134.5	127.8	134.2	136.8	135.3
Durable goods materials..... do....	114.1	121.2	124.1	125.4	123.3	121.1	121.1	125.3	127.4	131.2	133.9	134.9	127.7	132.6	136.2	132
Nondurable materials..... do....	120.0	126.3	131.2	129.8	126.9	128.8	130.1	131.8	134.0	134.0	134.1	134.1	127.8	135.9	137.4	139
Seas. adj., total index (incl. utilities) 1957-59=100..... do....	118.3	124.3	125.7	126.1	126.1	127.0	128.2	129.0	130.5	131.3	131.6	132.9	133.8	134.0	134.0	131.7
By industry groupings:																
Manufacturing, total..... do....	118.7	124.9	126.2	126.8	127.9	128.5	129.1	129.9	131.4	132.2	132.4	133.9	134.6	134.7	132.1	
Durable manufactures..... do....	117.9	124.5	126.6	126.4	127.3	128.1	128.9	130.0	131.6	132.6	133.2	135.0	135.8	135.1	130.4	
Primary metals..... do....	104.6	113.3	107.8	108.5	109.7	110.5	113.6	117.6	120.9	123.8	127.1	126.1	131.2	132.8	132.5	131
Iron and steel..... do....	100.6	109.6	100.9	101.5	103.5	104.9	108.3	114.5	118.1	123.7	127.8	125.2	130.4	132.2	129.3	131
Nonferrous metals and products..... do....	119.1	126.7	130.3	131.2	133.1	134.7	132.2	139.9	142.6	142.6	142.6	130.9	135.0	132.8	136.4	
Fabricated metal products..... do....	117.1	123.4	125.6	126.8	126.8	128.2	129.0	129.3	130.3	130.6	133.3	134.8	134.6	134.6	132	
Structural metal parts..... do....	113.2	120.2	122.5	123.0	123.1	122.9	124.4	126.0	127.8	128.1	129.6	131.2	131.0	131.7	131	
Machinery..... do....	123.5	129.2	131.9	131.7	132.8	133.9	134.7	133.6	135.9	137.5	138.5	140.1	141.9	142.8	144.2	145
Nonelectrical machinery..... do....	119.7	126.9	130.2	131.3	133.5	135.2	132.9	136.7	138.1	139.6	141.9	143.6	144.1	145.0	146	
Electrical machinery..... do....	128.5	132.3	134.0	132.2	133.7	134.4	134.0	134.5	134.9	136.8	137.0	139.7	141.1	143.1	142	
Transportation equipment..... do....	118.3	127.0	129.4	130.0	129.6	131.3	130.8	131.1	130.1	133.0	134.1	134.9	134.3	135.3	130.9	107
Motor vehicles and parts..... do....	134.1	146.1	149.1	149.8	148.9	151.9	153.0	151.1	156.2	157.4	158.3	158.6	160.9	150.1	96	
Aircraft and other equipment..... do....	103.9	109.5	111.2	111.8	111.1	112.2	110.8	110.6	112.0	11						

Unless otherwise stated, statistics through 1962 and descriptive notes are shown in the 1963 edition of BUSINESS STATISTICS

	1962	1963	1963				1964									
	Monthly average		Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct. <sup>a</sup>

## GENERAL BUSINESS INDICATORS—Continued

### INDUSTRIAL PRODUCTION—Continued

Federal Reserve Index of Quantity Output—Con.

Seasonally adjusted indexes—Continued  $\oplus$

By industry groupings—Continued

Nondurable manufactures—Continued

Printing and publishing	114.6	116.4	118.4	117.9	117.7	121.3	119.5	121.2	121.8	123.6	123.9	124.1	124.5	124.3	123.0	123
Newspapers	108.5	108.0	113.7	111.9	113.2	119.2	113.9	114.5	115.2	117.2	117.1	117.2	120.0	118.3	115.9	
Chemicals and products	136.1	148.6	152.5	153.5	153.6	154.5	154.7	154.5	155.2	157.0	156.7	159.6	158.7	160.9	164.4	
Industrial chemicals	147.6	162.7	166.7	168.3	169.3	171.4	173.1	173.3	174.9	176.7	173.7	176.3	177.1	178.9		
Petroleum products	112.9	117.1	117.0	119.0	118.5	116.6	116.0	119.1	119.7	120.8	122.0	122.1	124.6	121.2	120.0	
Rubber and plastics products	130.6	140.0	142.6	145.0	144.3	144.3	145.0	145.3	145.1	149.4	152.2	153.4	155.2	158.2		
Foods and beverages	113.5	116.9	116.9	118.1	117.3	119.1	120.8	120.6	120.3	120.6	120.0	119.6	120.0	120.5	120.3	
Food manufactures	113.8	116.8	117.2	117.7	117.5	119.2	121.3	119.8	119.7	120.0	120.2	119.5	118.9	119.2	119.2	
Beverages	111.5	117.8	115.1	120.5	116.3	118.7	118.4	125.0	124.1	119.2	120.1	125.8	127.6			
Tobacco products	112.0	115.2	115.7	114.1	114.6	114.9	112.7	105.6	118.2	127.5	129.2	118.1	127.5	121.4		

Mining	do	105.0	107.9	109.9	108.6	107.5	107.3	108.8	108.9	108.8	109.9	111.3	111.4	110.9	111.9	111.7	
Coal	do	95.3	102.5	105.6	103.9	102.2	105.1	104.0	99.2	94.5	98.7	106.1	105.1	105.0	107.9	105.1	109
Crude oil and natural gas	do	105.5	107.9	109.9	108.5	107.2	106.2	108.3	109.1	109.7	110.0	110.7	110.8	111.1	113.8	111	
Crude oil	do	105.1	108.1	109.8	109.1	108.1	106.6	108.5	107.8	109.6	110.1	110.2	110.3	109.8	113.1	111	
Metal mining	do	112.6	112.3	112.4	111.9	112.2	112.9	116.4	118.8	124.2	119.4	119.2	107.7	112.2	111.2		
Stone and earth minerals	do	109.7	112.1	113.4	113.8	113.4	113.5	114.7	115.0	114.3	116.8	119.2	120.2	121.7	119.6		

Utilities	do	131.4	140.0	142.1	142.3	142.1	143.0	144.5	143.4	144.8	147.5	148.3	149.7	151.4	154.5	155.0	
Electric	do	133.0	142.6	145.2	145.4	145.0	146.1	148.3	146.5	148.3	151.3	152.3	153.6	155.5	159.2		
Gas	do	126.4	131.9	132.4	132.5	132.9	133.3	133.9	134.6	135.2	136.0	136.8	137.7				

By market groupings:  $\oplus$

Final products, total	do	119.7	124.9	126.3	127.2	127.0	128.0	128.5	128.1	128.7	130.6	131.1	131.7	132.3	133.4	132.6	130.7
Consumer goods	do	119.7	125.2	126.4	127.4	126.9	128.0	128.9	128.8	128.8	130.8	131.0	131.5	132.1	133.1	132.6	128.7
Automotive and home goods	do	125.9	134.4	136.4	137.3	138.4	139.1	139.7	140.7	139.7	142.4	143.5	145.0	146.5	142.0	126	

Automotive products	do	131.1	141.2	143.0	145.8	145.8	146.1	146.6	145.5	144.3	149.3	151.4	151.7	152.6	155.8	144.7	103
Autos	do	135.9	149.5	153.3	154.8	155.1	155.6	155.3	155.6	152.5	160.0	160.3	161.7	162.6	146.0	148.3	
Auto parts and allied products	do	125.0	130.2	134.0	133.6	133.5	133.2	131.1	133.4	135.2	135.2	134.7	138.4	139.3	142.9		

Home goods $\oplus$	do	122.2	129.6	131.8	131.3	133.3	134.2	134.8	137.3	136.4	137.7	136.9	137.8	139.7	140.0	140.4	
Appliances, TV, and radios	do	118.2	125.1	128.1	125.8	128.5	128.5	127.5	131.3	128.7	130.7	129.7	131.0	131.1	133.2	137.4	
Furniture and rugs	do	123.9	131.3	132.1	132.7	134.5	135.4	136.1	138.1	139.0	141.0	141.0	141.4	144.7	144.0	141.0	

Apparel and staples	do	117.8	122.3	124.2	124.2	123.3	124.5	125.5	125.0	124.6	127.2	127.2	127.7	128.0	128.9	128.7	130
Apparel, incl. knit goods and shoes	do	114.5	117.6	118.0	120.0	120.0	120.2	120.4	120.7	118.7	121.5	123.2	124.0	124.9	124.9	124.9	
Consumer staples	do	118.7	123.7	124.7	125.4	124.2	125.7	127.0	126.2	126.3	128.8	128.3	129.9	130.0	130.0	131	
Processed foods	do	113.7	116.6	116.7	117.7	117.0	118.9	121.4	120.2	120.8	119.4	118.7	118.4	118.7	118.7	118.7	

Beverages and tobacco	do	111.6	116.9	115.3	118.3	115.7	117.4	116.5	118.5	121.9	125.2	122.6	122.6	124.5	125.2		
Drugs, soap, and toiletries	do	130.0	140.1	144.5	144.0	142.0	142.7	142.2	140.1	140.1	142.8	144.5	150.5	146.7	149.1	152.6	
Newspapers, magazines, books	do	116.7	117.8	117.9	117.8	117.2	120.4	121.1	123.7	125.1	126.7	124.7	125.5	123.5	123.2	121.3	
Consumer fuel and lighting	do	126.3	133.5	135.8	135.6	134.7	135.2	136.5	134.7	136.2	138.7	140.6	142.8	145.7	145.7	136.6	

Equipment, including defense $\oplus$	do	119.6	124.2	126.0	127.0	127.1	128.1	127.9	127.1	128.8	130.7	131.3	132.0	132.7	133.9	134.1	135.0
Business equipment	do	122.1	128.3	130.7	131.8	132.0	132.9	131.9	134.2	136.5	138.0	139.0	140.0	141.6	141.7	143	
Industrial equipment	do	117.2	123.0	125.6	126.6	127.4	128.6	128.9	127.9	131.9	133.9	135.7	137.6	138.5	139.6	140.4	
Commercial equipment	do	143.1	142.4	141.6	141.2	139.0	140.2	141.6	140.4	141.0	143.1	141.9	143.7</td				

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edition of BUSINESS STATISTICS

	1962	1963	1963				1964									
	Monthly average		Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.

## GENERAL BUSINESS INDICATORS—Continued

## BUSINESS SALES AND INVENTORIES—Con.

## Inventory-sales ratios:

Manufacturing and trade, total <sup>1</sup>	1.51	1.50	1.52	1.51	1.53	1.50	1.48	1.48	1.50	1.48	1.47	1.48	1.45	1.46	1.47	-----
Manufacturing, total <sup>1</sup>	1.70	1.69	1.70	1.68	1.71	1.67	1.64	1.66	1.67	1.63	1.63	1.64	1.59	1.63	1.64	-----
Durable goods industries	1.96	1.94	1.98	1.91	1.95	1.95	1.88	1.89	1.91	1.87	1.90	1.92	1.84	1.92	1.92	-----
Purchased materials	.62	.59	.61	.59	.60	.59	.57	.57	.57	.56	.57	.57	.55	.57	.57	-----
Goods in process	.80	.80	.81	.79	.80	.80	.77	.78	.79	.78	.79	.80	.77	.81	.80	-----
Finished goods	.54	.55	.56	.54	.56	.56	.54	.54	.53	.54	.55	.52	.54	.55	.55	-----
Nondurable goods industries	1.42	1.41	1.41	1.43	1.44	1.37	1.37	1.40	1.40	1.36	1.34	1.35	1.32	1.33	1.33	-----
Purchased materials	.60	.59	.58	.59	.59	.56	.55	.56	.56	.54	.53	.53	.51	.52	.52	-----
Goods in process	.20	.20	.20	.20	.20	.20	.20	.20	.20	.19	.19	.19	.19	.19	.19	-----
Finished goods	.62	.63	.63	.63	.65	.62	.62	.64	.63	.62	.62	.62	.62	.62	.62	-----
Retail trade, total <sup>1\$</sup>	1.38	1.39	1.41	1.40	1.42	1.40	1.41	1.37	1.40	1.40	1.37	1.39	1.37	1.35	1.36	-----
Durable goods stores	1.82	1.79	1.82	1.75	1.83	1.83	1.85	1.75	1.86	1.86	1.80	1.87	1.83	1.74	1.73	-----
Nondurable goods stores	1.18	1.20	1.21	1.22	1.22	1.19	1.20	1.18	1.17	1.18	1.16	1.16	1.16	1.17	1.17	-----
Merchant wholesalers, total <sup>1\$</sup>	1.19	1.18	1.18	1.20	1.21	1.20	1.19	1.19	1.20	1.17	1.18	1.16	1.16	1.17	1.17	-----
Durable goods establishments	1.60	1.58	1.57	1.58	1.59	1.58	1.58	1.58	1.52	1.55	1.49	1.52	1.50	1.49	1.52	-----
Nondurable goods establishments <sup>2</sup>	.90	.90	.91	.92	.94	.94	.92	.93	.95	.95	.94	.93	.91	.92	.92	-----

MANUFACTURERS' SALES, INVENTORIES,  
AND ORDERSManufacturers' export sales:<sup>\*</sup>

Durable goods industries (unadj.), total	678	682	756	689	780	683	716	778	781	804	799	681	693	759	-----
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Shipments (not seas. adj.), total	33,308	34,774	36,028	36,821	35,377	34,594	34,110	36,818	37,069	38,091	37,465	38,622	34,774	36,001	38,825	-----
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Durable goods industries, total <sup>9</sup>	17,184	18,071	18,278	19,180	18,457	18,118	17,595	19,208	19,471	20,242	19,781	20,542	17,895	17,707	19,734	-----
Stone, clay, and glass products	961	947	1,042	1,089	960	798	842	873	887	1,017	940	984	1,040	1,055	1,055	-----
Primary metals	2,835	2,944	2,788	2,928	2,852	2,745	2,967	3,158	3,223	3,370	3,318	3,333	2,983	3,111	3,321	-----
Blast furnaces, steel mills	1,522	1,586	1,421	1,484	1,468	1,405	1,591	1,715	1,737	1,843	1,815	1,775	1,668	1,745	1,810	-----

Fabricated metal products	1,859	1,877	1,986	2,054	1,881	1,807	1,777	1,911	1,906	1,989	1,975	2,075	1,911	2,029	2,090	-----
Machinery, except electrical	2,366	2,517	2,595	2,544	2,470	2,577	2,489	2,784	2,806	2,957	2,939	3,114	2,683	2,610	2,850	-----
Electrical machinery	2,301	2,398	2,559	2,522	2,484	2,490	2,254	2,523	2,555	2,498	2,440	2,605	2,305	2,452	2,654	-----
Transportation equipment	4,453	4,848	4,553	5,268	5,221	5,237	4,940	5,306	5,285	5,199	5,304	5,431	4,387	3,572	4,783	-----
Motor vehicles and parts	2,806	3,154	2,791	3,544	3,512	3,387	3,311	3,455	3,487	3,748	3,495	3,563	2,762	1,961	3,048	-----
Instruments and related products	557	583	625	610	636	537	599	611	604	656	656	609	604	636	653	-----

Nondurable goods industries, total <sup>9</sup>	16,124	16,704	17,750	17,641	16,920	16,476	16,515	17,610	17,598	17,849	17,684	18,080	16,879	18,294	19,091	-----
Food and kindred products	5,577	5,832	6,241	6,184	5,983	5,913	5,946	6,171	6,120	6,101	6,247	6,429	6,104	6,422	6,770	-----
Tobacco products	377	383	385	383	394	393	333	339	368	379	399	425	403	416	412	-----
Textile mill products	1,263	1,378	1,515	1,501	1,456	1,356	1,315	1,457	1,477	1,463	1,428	1,506	1,298	1,523	1,618	-----
Paper and allied products	1,314	1,355	1,453	1,427	1,359	1,304	1,302	1,398	1,403	1,427	1,399	1,392	1,332	1,458	1,523	1,523
Chemicals and allied products	2,449	2,568	2,736	2,674	2,509	2,369	2,573	2,743	2,803	2,992	2,953	2,854	2,597	2,778	2,972	-----
Petroleum and coal products	1,433	1,451	1,456	1,442	1,424	1,521	1,492	1,498	1,421	1,484	1,501	1,540	1,516	1,535	1,545	-----
Rubber and plastics products	710	772	799	856	783	767	767	836	833	901	863	910	759	836	890	-----

Shipments (seas. adj.), total	34,672	35,214	35,004	36,021	36,677	36,235	36,222	37,167	37,186	36,791	37,963	37,168	37,264	-----	-----		
By industry group:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
Durable goods industries, total <sup>9</sup>	17,937	18,590	18,272	18,476	19,144	19,027	18,887	19,359	19,138	19,023	19,861	19,164	19,258	-----	-----	-----	
Stone, clay, and glass products	938	977	953	1,018	999	940	952	929	940	932	921	961	921	961	921	961	-----
Primary metals	2,742	2,904	2,892	2,981	3,067	3,034	3,032	3,174	3,154	3,102	3,447	3,216	3,291	3,216	3,291	3,291	-----
Blast furnaces, steel mills	1,392	1,469	1,512	1,570	1,605	1,619	1,615	1,719	1,732	1,653	1,961	1,770	1,785	1,770	1,785	1,785	-----
Fabricated metal products	1,855	1,943	1,913	1,910	1,994	2,011	1,967	1,943	1,906	2,040	1,914	1,966	1,914	1,966	1,966	1,966	-----
Machinery, except electrical	2,610	2,615	2,582	2,652	2,737	2,674	2,696	2,738	2,782	2,838	2,936	2,780	2,864	2,780	2,864	2,864	-----
Electrical machinery	2,370	2,385	2,369	2,432	2,479	2,463	2,505	2,530	2,503	2,470	2,622	2,501	2,474	2,501	2,474	2,474	-----
Transportation equipment	4,897	5,158	4,966	4,909	5,117	5,075	5,018	5,281	5,056	5,036	5,008	5,102	4,951	5,102	4,951	4,951	4,951
Motor vehicles and parts	3,155	3,362	3,234	3,123	3,297	3,321	3,302	3,119	2,967	2,916	2,934	2,906	3,045	3,272	3,272	3,272	3,272
Instruments and related products	577	593	594	591	606	593	815	836	811	873	863	841	854	861	861	861	-----

Nondurable goods industries, total<sup>9</sup>	16,735	16,624	16,732	17,545	17,533	17,208	17,335	17,808	18,048	17,768	18,1

## SURVEY OF CURRENT BUSINESS

November 1964

Unless otherwise stated, statistics through 1962  
and descriptive notes are shown in the 1963  
edition of BUSINESS STATISTICS

	1962	1963	1963				1964							
	End of year	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.

## GENERAL BUSINESS INDICATORS—Continued

MANUFACTURERS' SALES INVENTORIES, AND ORDERS—Continued																
Inventories, end of year or month—Continued†																
Book value (seasonally adjusted)—Continued																
By industry group—Continued																
Durable goods industries—Continued																
By stage of fabrication:																
Materials and supplies ♀ .....																
Primary metals .....	10,571	10,879	10,917	10,878	10,880	10,879	10,821	10,786	10,817	10,830	10,828	10,866	10,870	10,917	10,950	
Machinery (elec. and nonelec.) .....	2,333	2,259	2,232	2,251	2,256	2,259	2,233	2,232	2,256	2,280	2,249	2,243	2,227	2,219	2,217	
Transportation equipment .....	2,968	3,009	3,001	2,954	2,992	3,009	2,989	2,992	2,973	2,962	2,989	3,028	3,052	3,055	3,096	
Work in process ♀ .....	1,782	1,956	2,012	1,989	1,960	1,956	1,958	1,952	1,967	1,930	1,928	1,911	1,891	1,918	1,896	
Primary metals .....	14,129	14,857	14,579	14,639	14,648	14,857	14,828	14,875	15,001	15,112	15,127	15,211	15,325	15,442	15,474	
Machinery (elec. and nonelec.) .....	1,816	1,901	1,852	1,845	1,882	1,901	1,895	1,898	1,926	1,902	1,970	1,969	1,994	2,034	2,005	
Transportation equipment .....	5,034	5,249	5,172	5,288	5,260	5,249	5,305	5,251	5,233	5,361	5,348	5,385	5,421	5,493	5,555	
Materials and supplies .....	4,142	4,467	4,468	4,388	4,364	4,467	4,402	4,499	4,539	4,583	4,523	4,533	4,596	4,640	4,624	
Finished goods ♀ .....	9,593	10,292	10,040	10,064	10,176	10,292	10,306	10,284	10,261	10,335	10,345	10,415	10,402	10,431	10,534	
Primary metals .....	1,721	1,758	1,765	1,765	1,765	1,758	1,780	1,784	1,790	1,772	1,795	1,807	1,780	1,803	1,843	
Machinery (elec. and nonelec.) .....	3,381	3,707	3,587	3,601	3,653	3,707	3,705	3,714	3,704	3,726	3,688	3,683	3,666	3,699	3,768	
Transportation equipment .....	824	908	898	881	897	908	912	908	919	933	938	984	1,010	973	946	
Nondurable goods industries, total ♀ .....	23,427	24,119	23,551	23,741	24,076	24,119	24,036	24,163	24,247	24,254	24,228	23,906	23,891	23,973	23,990	
Food and kindred products .....	6,080	6,028	5,979	6,057	6,060	6,028	6,052	6,136	6,195	6,165	6,137	5,991	6,009	5,910	5,823	
Tobacco products .....	2,391	2,314	2,339	2,317	2,345	2,314	2,357	2,374	2,344	2,363	2,353	2,322	2,297	2,263	2,241	
Textile mill products .....	2,608	2,886	2,668	2,806	2,895	2,886	2,821	2,789	2,768	2,754	2,763	2,803	2,831			
Paper and allied products .....	1,688	1,800	1,743	1,757	1,772	1,800	1,792	1,792	1,789	1,801	1,812	1,836	1,859	1,851		
Chemicals and allied products .....	3,600	3,818	3,722	3,734	3,769	3,818	3,872	3,894	3,902	3,926	3,935	3,910	3,934	3,936	3,963	
Petroleum and coal products .....	1,809	1,736	1,830	1,788	1,795	1,736	1,775	1,786	1,801	1,768	1,767	1,732	1,708	1,733	1,715	
Rubber and plastics products .....	1,138	1,157	1,155	1,159	1,167	1,157	1,125	1,127	1,123	1,131	1,133	1,127	1,137	1,154	1,167	
By stage of fabrication:																
Materials and supplies .....	9,770	9,769	9,660	9,844	9,826	9,769	9,666	9,661	9,632	9,584	9,528	9,432	9,293	9,351	9,433	
Work in process .....	3,304	3,479	3,347	3,344	3,428	3,479	3,452	3,403	3,446	3,459	3,452	3,422	3,406	3,426	3,461	
Finished goods .....	10,246	10,871	10,544	10,553	10,822	10,871	10,918	11,099	11,169	11,261	11,248	11,052	11,192	11,196	11,094	
By market category:																
Home goods and apparel .....	5,955	6,389	6,149	6,179	6,321	6,389	6,242	6,231	6,226	6,313	6,296	6,210	6,177	6,276	6,331	
Consumer staples .....	9,515	9,525	9,447	9,502	9,571	9,525	9,597	9,730	9,782	9,745	9,563	9,559	9,407	9,326		
Equip. and defense prod., excl. auto .....	11,828	12,363	12,249	12,189	12,277	12,363	12,303	12,288	12,309	12,370	12,361	12,494	12,463	12,558	12,685	
Automotive equipment .....	3,001	3,245	3,268	3,258	3,200	3,245	3,241	3,295	3,347	3,359	3,342	3,356	3,433	3,446	3,350	
Construction materials and supplies .....	5,042	5,290	5,096	5,135	5,189	5,290	5,311	5,296	5,352	5,353	5,386	5,380	5,389	5,406		
Other materials and supplies .....	22,412	23,335	22,875	23,059	23,222	23,335	23,297	23,264	23,378	23,431	23,389	23,456	23,707	23,833		
Supplementary market categories:																
Consumer durables .....	2,722	2,955	2,865	2,923	2,955	2,938	2,936	2,931	2,917	2,964	2,938	2,952	2,953	2,944	2,951	
Defense products .....	5,343	5,583	5,571	5,496	5,502	5,583	5,466	5,463	5,457	5,429	5,394	5,412	5,391	5,401	5,427	
Machinery and equipment .....	8,098	8,539	8,343	8,395	8,485	8,539	8,558	8,524	8,673	8,781	8,781	8,808	8,923	9,043		
New orders, net (not seas. adj.), total† .....	33,167	35,036	36,217	36,601	35,174	34,045	35,010	37,539	37,508	38,517	37,859	39,317	36,367	36,190	39,341	
Durable goods industries, total .....	17,085	18,300	18,502	18,883	18,140	17,623	18,558	19,927	19,951	20,662	20,095	21,249	19,530	17,923	20,246	
Nondurable goods industries, total .....	16,082	16,736	17,747	16,732	16,840	17,645	17,408	17,158	17,285	17,723	17,948	17,776	18,061	18,167	18,097	
New orders, net (seas. adj.), total† .....	33,167	35,036	34,991	35,354	34,953	35,619	37,148	36,657	36,547	38,184	37,893	37,782	39,815	37,509	38,004	
By industry group:																
Durable goods industries, total ♀ .....	17,085	18,300	18,244	18,622	18,113	17,974	19,740	19,499	19,262	20,461	19,945	20,016	21,251	19,342	19,907	
Primary metals .....	2,718	2,959	2,712	3,013	2,964	2,938	3,147	3,074	3,103	3,103	3,641	3,747	3,539	3,280	3,837	
Blast furnaces, steel mills .....	1,400	1,592	1,371	1,590	1,529	1,456	1,641	1,685	1,675	2,077	1,727	1,943	2,077	1,825	2,300	
Fabricated metal products .....	1,848	1,886	1,808	1,910	1,858	1,914	2,043	2,018	2,007	2,071	1,968	2,013	2,069	1,946	2,037	
Machinery, except electrical .....	2,364	2,574	2,608	2,669	2,617	2,741	2,808	2,763	2,771	2,938	2,956	3,030	2,909	2,952	2,928	
Electrical machinery .....	2,285	2,410	2,263	2,410	2,477	2,463	2,687	2,574	2,547	2,520	2,448	2,448	2,807	2,694	2,561	
Transportation equipment .....	4,484	4,670	5,430	5,094	4,680	4,327	5,433	5,179	5,164	5,607	5,538	5,364	6,218	4,771	4,803	
Aircraft and parts .....	1,342	1,398	1,754	1,272	1,189	801	1,730	1,537	1,421	1,605	1,646	1,510	2,429	1,081	1,168	
Nondurable goods industries, total .....	16,082	16,736	16,747	16,732	16,840	17,645	17,408	17,158	17,285	17,723	17,948	17,776	18,061	18,167	18,097	
Industries with unfilled orders@ .....	4,124	4,411	4,495	4,528	4,635	4,835	4,531	4,486	4,552	4,678	4,739	4,694	4,887	4,883	4,877	
Industries without unfilled orders@ .....	11,957	12,325	12,252	12,204	12,205	12,810	12,877	12,672	12,733	13,045	13,209	13,072	13,174	13,284	13,220	
Unfilled orders, end of year or month (unadjusted), total† .....	46,242	49,149	50,131	49,902	49,149	50,049	50,760	51,199	51,626	52,018	52,717	54,313	54,501	55,024		
Durable goods industries, total .....	43,666	46,193	47,306	46,999	46,684	46,193	47,154	47,863	48,341	48,764	49,076	49,785	51,422	51,637	52,144	
Nondur. goods Indust. with unfilled orders@ .....	2,576	2,956	2,825	2,903	3,012	2,956	2,897	2,858	2,862	2,942	2,932	2,932	2,891	2,864	2,880	
Unfilled orders, end of year or month (seasonally adjusted), total .....	46,784	49,796	49,982	50,140	50,132	49,796	50,083	50,586	50,697	51,679	52,004	52,833	54,075	54,216	55,071	
By industry group:																
Durable goods industries, total ♀ .....	44,094	46,676	47,070	47,169	47,076	46,676	47,072	47,644	47,805	48,840	49,225	50,037	51,302	51,366	52,	

Unless otherwise stated, statistics through 1962 and descriptive notes are shown in the 1963 edition of BUSINESS STATISTICS	1962	1963	1963				1964										
	Monthly average		Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
<b>GENERAL BUSINESS INDICATORS—Continued</b>																	
<b>BUSINESS INCORPORATIONS</b>																	
New incorporations (50 States and Dist. Col.): <sup>†</sup>																	
Unadjusted number	15,171	15,534	13,824	16,808	12,975	15,472	18,825	15,495	17,876	17,365	16,394	16,856	17,145	14,552	15,465		
Seasonally adjusted do			15,689	16,275	15,759	15,867	16,193	16,086	16,064	16,242	15,932	15,797	15,852	16,074	16,715		
<b>INDUSTRIAL AND COMMERCIAL FAILURES</b>																	
Failures, total number	1,315	1,198	1,051	1,262	1,115	998	1,217	1,241	1,320	1,197	1,075	1,157	1,096	1,169	1,034		
Commercial service do	112	114	113	133	129	91	109	109	131	101	92	123	82	113	81		
Construction do	225	200	189	207	198	198	201	204	210	201	179	219	214	203	208		
Manufacturing and mining do	215	201	167	217	186	176	205	211	212	188	146	192	185	163			
Retail trade do	629	557	467	578	479	433	570	572	625	554	501	563	501	550	484		
Wholesale trade do	134	126	115	127	123	100	132	145	142	125	115	106	107	118	98		
Liabilities (current), total thous. \$	101,133	112,716	85,918	91,834	262,112	68,427	96,731	123,935	110,999	112,884	93,419	144,496	125,642	95,180	114,565		
Commercial service do	7,831	7,425	6,579	10,758	4,171	3,764	5,721	7,238	11,686	10,355	10,245	80,909	9,037	22,555	6,074		
Construction do	20,295	19,280	21,522	12,931	20,325	13,935	22,166	14,933	20,776	27,872	14,687	15,349	23,772	17,897	32,185		
Manufacturing and mining do	33,333	46,475	28,149	32,777	197,942	22,662	29,649	26,260	26,762	30,650	37,782	17,951	23,309	16,079	31,396		
Retail trade do	29,143	24,947	15,644	23,603	26,832	16,849	27,376	22,680	19,515	28,151	23,291	21,694	20,781	25,715	24,958		
Wholesale trade do	10,531	14,589	14,024	11,715	12,842	11,217	11,819	52,824	32,260	15,856	7,414	8,593	48,743	12,934	19,952		
Failure annual rate (seasonally adjusted)																	
No. per 10,000 concerns	160.8	156.3	59.4	59.6	55.1	51.2	53.9	55.3	56.6	51.3	49.4	53.2	54.9	59.1	56.3		

**COMMODITY PRICES**

<b>PRICES RECEIVED AND PAID BY FARMERS</b>																
Prices received, all farm products	1910-14=100	244	242	242	242	242	237	243	240	239	236	235	232	234	232	236
Crops do	231	237	232	235	241	241	243	242	241	243	248	241	234	226	228	232
Commercial vegetables do	243	231	189	205	250	254	270	286	275	230	240	235	237	217	218	222
Cotton do	271	271	276	278	274	264	254	249	259	267	271	274	274	258	258	261
Feed grains and hay do	153	164	171	162	158	164	168	164	166	168	168	163	163	170	165	
Food grains do	226	224	213	223	224	226	230	229	215	225	218	170	162	161	164	166
Fruit do	226	279	264	279	294	303	300	292	293	316	327	301	272	283	293	317
Oil-bearing crops do	248	258	253	264	271	265	268	263	260	252	246	246	247	243	254	260
Potatoes (incl. dry edible beans) do	157	157	161	140	144	144	150	156	167	191	251	322	307	247	202	208
Tobacco do	530	494	498	495	490	478	488	490	490	490	489	489	487	482	493	
Livestock and products do	255	245	250	248	243	234	242	237	237	230	224	224	234	237	244	239
Dairy products do	253	253	262	269	272	269	265	260	253	243	237	234	243	252	262	272
Meat animals do	310	290	294	286	272	260	274	269	273	268	264	275	274	282	282	268
Poultry and eggs do	145	146	149	148	150	146	154	147	144	136	131	133	139	145	146	144
Wool do	252	269	256	262	265	270	274	281	295	301	299	293	288	284	284	
Prices paid:																
All commodities and services do	280	283	283	282	282	282	283	283	283	283	282	282	282	282	282	282
Family living items do	294	298	297	298	298	298	299	298	298	300	300	300	300	300	299	300
Production items do	270	273	273	272	271	270	273	271	272	272	270	269	269	270	269	269
All commodities and services, interest, taxes, and wage rates (parity index)	1910-14=100	307	312	311	311	311	313	313	313	313	313	313	313	313	313	312
Parity ratio <sup>‡</sup>	do	179	178	78	78	78	76	78	77	76	75	75	74	75	74	76
<b>CONSUMER PRICES</b>																
(U.S. Department of Labor Indexes)																
All items	1957-59=100	105.4	106.7	107.1	107.2	107.4	107.6	<sup>3</sup> 107.6	<sup>3</sup> 107.6	<sup>3</sup> 107.8	<sup>3</sup> 108.0	<sup>3</sup> 107.9	<sup>3</sup> 108.2	108.3	108.2	108.4
Special group indexes:																
All items less shelter do	105.4	106.7	107.1	107.2	107.4	107.5	107.6	107.6	107.7	107.8	107.8	108.0	108.3	108.2	108.2	
All items less food do	106.1	107.4	107.8	108.1	108.4	108.5	108.4	108.4	108.5	108.6	108.6	108.7	108.8	108.9	109.0	
Commodities <sup>†</sup>	do	103.2	104.1	104.4	104.5	104.7	104.9	104.9	104.8	104.9	104.8	104.9	105.0	105.3	105.2	105.4
Nondurables do	103.6	104.9	105.3	105.2	105.4	105.6	105.7	105.6	105.6	105.6	105.6	105.8	106.3	106.1	106.4	
Durables <sup>†</sup> do	101.8	102.1	102.2	102.7	103.1	103.0	102.9	102.9	102.9	102.9	102.8	102.8	102.9	102.9	102.8	102.8
New cars do	102.1	101.5	99.8	103.1	103.2	102.1	102.2	101.8	101.6	101.2	100.8	100.6	99.9	98.7		
Used cars do	115.2	116.6	120.1	120.0	121.0	120.3	119.6	119.0	119.6	120.9	121.6	122.7	122.7	122.2	121.9	
Commodities less food <sup>†</sup>	do	102.8	103.5	103.7	104.2	104.5	104.5	104.3	104.1	104.3	104.3	104.3	104.3	104.3	104.2	104.3
Services <sup>†</sup>	do	110.9	113.0	113.5	113.7	113.9	114.1	114.2	114.3	114.5	114.8	114.9	115.1	115.3	115.4	115.5
Food <sup>†</sup>	do	103.6	105.1	105.4	104.9	105.1	105.4	105.6	105.7	105.7	105.5	106.2	107.2	106.9	107.2	
Meats, poultry, and fish do	101.7	100.2	101.5	100.4	99.7	99.2	98.3	98.3	97.2	97.0	96.6	96.8	98.9	99.2	101.4	
Dairy products do	104.1	103.8	104.3	104.6	104.8	105.0	105.0	104.8	104.5	104.1	103.9	104.0	104.3	104.4	104.6	
Fruits and vegetables do	105.0	111.0	108.1	106.3	108.2	109.8	112.4	113.9	115.9	115.7	120.2	122.3	117.3	112.2		
Housing	do	104.8	106.0	106.2	106.3	106.6	106.9	106.9	107.1	107.0	106.9	107.1	107.1	107.2	107.4	
Shelter <sup>†</sup>	do	105.6	106.9	107.1	107.3	107.7	108.0	108.1	108.3	108.4	108.2	108.2	108.4	108.6	108.8	109.0
Rent	do	105.7	106.8	107.0	107.1	107.2	107.3	107.3	107.5	107.5	107.7	107.7	107.8	107.8	107.9	107.9
Homeownership*	do	105.6	107.0	107.2	107.4	108.0	108.4	108.5	108.8	108.9	108.6	108.4	108.7	109.2	109.5	
Fuel and utilities*	do	106.1	107.0	107.0	107.3	107.5	107.6	107.7	107.8	107.3	107.4	107.2	107.1	107.0	107.1	107.2
Household furnishings and operation*	do															

Unless otherwise stated, statistics through 1962 and descriptive notes are shown in the 1963 edition of BUSINESS STATISTICS	1962	1963	1963				1964								
	Monthly average	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.

## COMMODITY PRICES—Continued

WHOLESALE PRICES <sup>a</sup> (U.S. Department of Labor Indexes)	1962	1963	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
Spot market prices, basic commodities:																
22 Commodities <sup>b</sup> 1957-59=100	193.0	193.5	93.0	95.8	95.7	95.0	95.5	94.4	94.3	96.3	95.3	95.2	95.8	97.9	100.0	102.3
9 Foodstuffs <sup>c</sup> do	89.8	92.9	91.4	95.1	93.4	91.1	91.5	88.9	87.9	88.2	87.9	87.0	86.8	87.7	89.3	89.7
13 Raw industrials <sup>c</sup> do	95.4	93.9	94.1	96.3	97.3	97.7	98.5	98.5	98.9	102.4	100.9	101.4	102.5	105.7	108.2	112.0
All commodities do	100.6	100.3	100.3	100.5	100.7	100.3	101.0	100.5	100.4	100.3	100.1	100.0	100.4	100.3	100.7	100.8
By stage of processing:																
Crude materials for further processing do	97.1	95.0	94.8	94.8	95.1	92.6	95.1	94.0	94.3	94.2	93.5	92.4	93.8	94.1	95.7	94.3
Intermediate materials, supplies, etc. do	100.2	100.5	100.9	101.0	101.1	101.3	101.2	100.9	100.6	100.9	100.6	100.3	100.5	100.4	100.6	101.1
Finished goods <sup>c</sup> do	101.7	101.4	101.5	101.6	101.8	101.4	102.1	101.6	101.5	101.3	101.3	101.7	102.1	101.9	102.1	102.1
By durability of product:																
Durable goods do	101.0	101.0	101.1	101.4	101.5	101.6	101.7	101.8	102.0	102.4	102.3	102.4	102.5	102.4	102.8	102.8
Nondurable goods do	100.1	99.6	99.5	99.8	100.0	99.2	100.3	99.5	99.2	98.9	98.4	98.9	98.7	99.4	99.2	99.2
Total manufactures do	100.8	100.6	100.7	100.9	100.9	100.9	101.3	101.1	100.9	100.8	100.8	100.8	101.1	101.0	101.2	101.4
Durable manufactures do	101.3	101.3	101.4	101.7	101.8	101.9	102.1	102.2	102.4	102.6	102.4	102.5	102.5	102.5	102.8	102.8
Nondurable manufactures do	100.1	99.8	99.9	100.2	100.1	99.9	100.5	100.0	99.6	99.4	99.0	99.1	99.7	99.5	99.8	100.1
Farm products <sup>c</sup> do	97.7	95.7	95.5	95.1	96.2	93.3	96.3	94.5	95.2	94.4	93.7	93.2	94.1	93.6	95.7	93.8
Fruits and vegetables, fresh and dried do	97.7	96.1	88.0	89.1	96.1	94.8	95.9	97.9	104.9	105.9	107.4	113.1	108.9	97.9	101.5	98.5
Grains do	98.8	101.9	102.9	101.8	103.0	101.8	103.7	102.0	99.1	103.3	103.2	89.8	85.7	85.7	90.2	88.9
Livestock and live poultry do	96.2	88.8	88.6	88.0	87.9	79.9	84.7	82.8	83.8	82.4	81.2	82.3	88.4	90.9	85.8	85.8
Foods, processed <sup>c</sup> do	101.2	101.1	100.9	102.2	102.5	100.4	102.5	100.9	100.5	100.4	99.4	100.2	101.2	101.0	102.2	101.7
Cereal and bakery products do	107.6	107.3	107.0	107.7	107.3	106.9	107.0	107.4	106.8	107.8	107.5	107.9	108.6	108.3	108.1	108.2
Dairy products and ice cream do	106.9	107.5	108.0	107.4	107.9	108.1	108.0	107.5	107.3	107.1	106.6	107.1	107.0	107.3	108.7	108.9
Fruits and vegetables, canned, frozen do	98.0	103.9	105.3	106.4	106.8	107.2	107.4	107.5	106.3	108.7	106.3	105.3	102.3	102.2	102.9	102.9
Meats, poultry, and fish do	99.1	93.3	94.2	93.2	91.7	87.7	91.8	88.9	88.7	88.3	86.9	90.2	93.3	96.1	93.4	93.4
Commod. other than farm prod. and foods do	100.8	100.7	100.7	100.9	101.2	101.3	101.2	101.1	101.1	101.1	100.9	101.1	101.1	101.1	101.1	101.5
Chemicals and allied products <sup>c</sup> do	97.5	96.3	96.0	96.2	96.3	96.2	96.3	96.4	96.5	96.6	96.7	96.5	96.6	96.5	96.6	96.9
Chemicals, industrial do	96.3	94.8	94.5	94.2	94.2	94.2	94.3	94.3	94.2	94.4	94.4	94.5	94.3	93.9	94.3	94.3
Drugs and pharmaceuticals do	96.0	95.1	94.9	94.9	95.0	95.0	95.4	95.3	95.2	95.4	95.5	94.6	94.8	94.7	94.6	94.6
Fats and oils, edible do	76.3	80.3	81.3	88.5	90.2	85.0	83.1	83.2	82.3	85.8	87.3	88.6	93.2	101.3	106.2	107.7
Fertilizer materials do	101.9	99.9	97.2	97.1	98.4	98.4	99.4	100.2	100.2	100.2	100.2	100.2	101.1	100.2	99.1	99.6
Prepared paint do	103.8	103.8	103.9	104.9	105.1	105.1	104.6	104.8	104.8	104.8	104.8	103.9	104.1	104.8	104.8	104.8
Fuel and related prod., and power <sup>c</sup> do	100.2	99.8	99.0	98.8	97.9	99.3	99.5	99.0	97.0	96.1	96.4	96.3	96.7	96.4	95.2	96.6
Coal do	96.8	96.9	97.2	97.7	98.3	98.3	98.3	98.1	97.1	95.1	95.3	96.1	96.6	97.3	97.7	97.7
Electric power Jan. 1958=100	102.8	102.0	101.8	101.3	101.3	101.3	101.3	101.3	101.3	101.3	101.3	100.9	101.4	101.5	101.5	101.5
Gas fuels do	119.2	122.8	121.7	122.0	122.3	124.8	124.8	126.8	123.2	120.4	116.6	116.0	120.2	121.2	118.4	119.4
Petroleum products, refined 1957-59=100	98.2	97.2	95.9	95.6	93.8	96.1	96.6	95.3	92.9	91.1	92.2	92.3	91.4	89.5	91.9	91.9
Furniture, other household durables <sup>c</sup> do	98.8	98.1	98.1	98.1	98.1	98.0	98.4	98.5	98.5	98.6	98.6	98.5	98.6	98.6	98.6	98.6
Appliances, household do	94.0	91.8	91.4	91.2	91.2	91.1	91.5	91.8	91.7	91.6	91.6	91.2	91.3	91.3	91.3	91.3
Furniture, household do	103.8	104.6	104.8	104.8	104.8	104.7	105.0	105.0	105.0	105.2	105.3	105.3	105.4	105.6	105.6	105.6
Radio receivers and phonographs do	86.1	82.8	81.9	81.9	81.8	81.7	81.5	81.5	81.5	81.5	81.5	81.5	81.8	81.8	81.8	81.8
Television receivers do	94.2	92.3	91.3	91.8	91.8	91.8	90.9	90.9	90.9	91.2	91.2	91.2	90.8	90.8	90.8	90.8
Hides, skins, and leather products <sup>c</sup> do	107.4	104.2	103.1	103.4	103.5	103.0	102.7	102.5	102.5	104.5	104.7	104.8	105.4	105.6	105.9	105.9
Footwear do	108.6	108.3	108.4	108.2	108.2	108.2	108.2	108.2	108.2	108.3	108.3	108.3	108.4	108.4	109.0	109.0
Hides and skins do	106.2	84.0	77.3	80.5	82.7	76.3	76.1	74.0	75.7	88.1	85.7	90.3	92.6	96.0	95.5	95.4
Leather do	108.5	101.9	99.5	99.5	99.7	99.5	99.5	99.7	99.6	102.0	104.5	103.3	104.7	104.5	104.0	104.8
Lumber and wood products do	96.5	98.6	99.9	99.2	99.2	99.1	99.1	99.9	99.9	101.0	101.8	101.4	102.1	100.9	100.6	100.3
Lumber do	96.5	98.9	100.7	99.3	99.3	99.2	99.2	99.2	99.2	102.0	101.8	101.8	101.5	101.1	100.7	100.4
Machinery and motive prod. <sup>c</sup> do	102.3	102.2	102.2	102.3	102.5	102.6	102.5	102.5	102.7	102.7	102.9	103.3	103.1	102.9	102.9	103.0
Agricultural machinery and equip. do	109.5	111.1	110.9	111.2	111.4	111.9	112.1	112.5	112.6	112.7	112.7	112.9	113.1	113.0	112.9	112.9
Construction machinery and equip. do	107.8	106.0	110.1	110.4	110.9	111.2	111.8	112.0	112.2	112.3	112.3	112.3	112.4	112.4	112.4	112.4
Electrical machinery and equip. do	98.4	97.4	97.2	97.4	97.5	97.7	96.9	96.9	97.0	97.7	97.7	96.5	96.6	96.6	96.6	96.6
Motor vehicles do	100.8	100.0	99.3	99.9	99.9	99.9	99.8	99.8	99.9	101.2	101.2	100.9	100.7	100.7	100.5	100.7
Metals and metal products <sup>c</sup> do	100.0	100.1	100.3	100.9	101.0	101.3	101.7	101.8	102.0	102.2	102.1	102.3	102.5	103.0	103.0	103.8
Heating equipment do	93.2	92.9	93.1	93.1	92.8	92.7	92.0	91.8	92.1	92.1	92.0	92.4	92.1	91.7	91.7	91.8
Iron and steel do	99.3	99.1	99.1	99.9	99.9	100.0	100.2	100.2	100.2	100.2	100.3	100.4	100.7	101.2	100.5	100.6
Nonferrous metals do	99.2	99.1	99.6	99.9	100.2	101.0	101.4	101.7	102.8	104.0	103.9	104.0	104.4	105.8	107.0	110.4
Nonmetallic mineral products <sup>c</sup> do	101.8	101.3	101.1	101.3	101.2	101.2	101.3	101.1	101.2	101.1	101.3	101.1	101.5	101.7	101.8	101.8
Clay products, structural do	103.5	103.6	102.4	103.4	103.5	103.5	103.8	103.9	104.5	104.5	104.5	104.4	104.5	104.6	104.8	104.8
Concrete products do	102.6	101.7	101.3	101.4	101.4	101.4	101.2	101.0	101.7	100.6	100.6	100.8</				

Unless otherwise stated, statistics through 1962 and descriptive notes are shown in the 1963 edition of BUSINESS STATISTICS

	1962	1963	1963				1964							
	Monthly average	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.

## CONSTRUCTION AND REAL ESTATE

## CONSTRUCTION PUT IN PLACE †

New construction (unadjusted), total \$ mil.	4,954	5,204	5,932	6,071	5,720	5,260	4,579	4,177	4,643	5,098	5,483	6,185	6,162	6,208	6,173	6,116
Private, total \$ do	3,475	3,648	4,081	4,101	4,021	3,760	3,258	3,021	3,325	3,638	3,895	4,222	4,257	4,228	4,166	4,089
Residential (nonfarm) \$ do	2,024	2,154	2,419	2,408	2,357	2,153	1,813	1,626	1,908	2,188	2,345	2,573	2,552	2,500	2,415	2,311
New housing units \$ do	1,553	1,672	1,932	1,940	1,909	1,734	1,451	1,316	1,477	1,610	1,703	1,879	1,976	1,974	1,909	1,831
Additions and alterations \$ do	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Nonresidential buildings, except farm and public utilities, total \$ mil. \$ do	960	988	1,101	1,099	1,104	1,070	1,015	993	981	963	1,017	1,086	1,130	1,154	1,172	1,184
Industrial \$ do	246	247	254	261	267	270	268	264	257	251	254	258	269	284	293	299
Commercial \$ do	413	433	500	493	493	471	434	425	424	411	442	480	497	497	506	517
Stores, restaurants, and garages \$ do	199	189	240	228	218	197	188	163	167	155	175	207	220	220	232	242
Farm construction \$ do	107	106	115	111	105	101	98	95	96	95	99	106	115	118	111	107
Public utilities \$ do	360	374	415	455	431	414	312	286	317	366	404	421	421	421	437	461
Public, total \$ do	1,480	1,557	1,851	1,970	1,699	1,500	1,321	1,156	1,318	1,460	1,588	1,963	1,905	1,980	2,007	2,027
Nonresidential buildings \$ do	429	460	508	523	466	458	435	429	464	525	517	597	525	555	565	559
Military facilities \$ do	102	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Highways \$ do	532	556	727	837	685	549	397	266	351	384	481	710	740	770	794	(1)
Other types \$ do	418	430	501	487	431	386	392	376	413	454	477	534	526	534	533	(1)
New construction (seasonally adjusted at annual rates), total \$ mil. \$ do	259,453	262,451	63,530	64,966	65,072	65,193	64,684	65,528	66,509	66,615	64,983	66,576	66,641	65,991	66,273	65,456
Private, total \$ do	41,695	43,772	44,633	45,365	45,488	45,778	45,440	46,274	46,923	46,449	45,780	46,006	46,261	45,906	45,703	45,308
Residential (nonfarm) \$ do	24,292	25,843	25,953	26,584	27,000	26,896	26,907	27,600	28,123	27,538	26,678	26,612	26,708	26,342	25,945	25,555
Nonresidential buildings, except farm and public utilities, total \$ mil. \$ do	11,526	11,859	12,533	12,431	12,480	12,592	12,476	12,581	12,728	12,661	12,756	12,900	13,063	13,271	13,386	13,406
Industrial \$ do	2,949	2,982	3,049	3,085	3,136	3,158	3,060	3,058	3,074	3,076	3,149	3,204	3,334	3,505	3,514	3,540
Commercial \$ do	4,955	5,200	5,671	5,518	5,469	5,515	5,499	5,546	5,668	5,561	5,542	5,562	5,574	5,609	5,746	5,776
Stores, restaurants, and garages \$ do	2,385	2,268	2,611	2,477	2,355	2,333	2,320	2,300	2,351	2,293	2,252	2,268	2,302	2,381	2,530	2,621
Farm construction \$ do	1,282	1,266	1,265	1,264	1,261	1,261	1,258	1,254	1,253	1,252	1,250	1,247	1,242	1,237	1,232	1,226
Public utilities \$ do	4,318	4,494	4,540	4,772	4,473	4,753	4,547	4,518	4,660	4,746	4,832	4,828	4,670	4,792	4,826	4,826
Public, total \$ do	17,758	18,679	18,897	19,601	19,584	19,415	19,244	19,254	19,586	20,166	19,203	20,570	20,380	20,085	20,570	20,148
Nonresidential buildings \$ do	5,145	5,524	5,638	5,815	5,803	6,075	5,761	6,171	5,993	6,259	6,040	6,528	5,828	6,115	6,292	6,210
Military facilities \$ do	1,222	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Highways \$ do	6,378	6,670	6,600	7,145	7,254	6,713	6,685	6,169	6,796	7,068	6,410	6,888	7,549	7,021	7,273	(1)

## CONSTRUCTION CONTRACTS

Construction contracts in 48 States (F. W. Dodge Corp.):△																	
Valuation, total \$ mil. \$	3,442	3,824	3,707	4,313	3,749	3,413	3,346	3,201	4,215	4,359	4,639	4,504	4,601	3,760	3,762	-----	
Index (no. data seas. adj.) 1957-59=100	120	133	128	146	144	148	147	143	140	138	138	138	121	131	131	-----	
Public ownership \$ mil. \$	1,133	1,229	1,154	1,321	1,157	1,155	1,198	1,041	1,339	1,318	1,535	1,491	1,619	1,101	1,124	-----	
Private ownership \$ do	2,309	2,594	2,552	2,992	2,592	2,257	2,149	2,160	2,876	3,042	3,104	3,013	2,983	2,658	2,638	-----	
By type of building:																	
Nonresidential \$ do	1,084	1,212	1,154	1,331	1,082	1,102	1,158	1,082	1,252	1,420	1,362	1,400	1,548	1,275	1,228	-----	
Residential \$ do	1,503	1,716	1,789	2,028	1,519	1,325	1,372	1,427	1,991	2,006	2,050	1,996	2,000	1,679	1,717	-----	
Public works \$ do	659	683	662	748	704	629	816	692	972	933	1,227	1,108	1,054	807	817	-----	
Utilities \$ do	196	212	102	206	444	356	816	692	972	933	1,227	1,108	1,054	807	817	-----	
Heavy construction:																	
New advance planning (ENR) \$ do	1,766	2,770	2,666	3,600	4,484	2,656	6,577	3,986	2,664	3,165	3,190	3,143	4,823	3,506	2,860	3,676	
Concrete pavement awards:△																	
Total \$ thous. sq. yds.	9,483	10,053	8,142	13,033	8,164	10,389	10,891	6,820	9,057	12,997	10,831	9,463	13,354	7,246	11,962	-----	
Airports \$ do	477	482	254	189	199	176	256	225	836	611	240	270	1,395	388	252	-----	
Roads \$ do	6,217	6,411	4,968	8,139	5,115	8,177	4,846	5,159	6,956	9,861	7,714	6,474	8,981	4,840	9,187	-----	
Streets and alleys \$ do	2,789	3,180	2,920	4,706	2,850	2,037	4,205	1,197	1,046	2,402	2,716	2,481	2,747	1,660	2,241	-----	
Miscellaneous \$ do								476	240	219	124	161	238	231	357	282	

## HOUSING STARTS AND PERMITS

New housing units started: Unadjusted:																
Total, incl. farm (public and private) \$ thous. do	124.4	136.7	148.4	167.5	122.3	97.4	100.8	101.1	133.3	152.3	160.5	164.0	145.1	143.7	127.9	-----
One-family structures \$ do	83.0	85.1	94.0	104.3	72.4	50.9	55.3	63.7	82.2	90.7	101.4	102.1	91.7	90.8	-----	-----
Privately owned \$ do	121.9	134.1	146.4	164.5	120.5	95.7	99.6	100.3	130.1	148.5	157.5	158.5	142.7	141.1	125.0	-----

Total nonfarm (public and private) \$ do	122.4	134.4	145.2	164.2	119.7	95.1	99.5	98.5	131.5	149.5	158.2	161.3	142.8	141.0	125.6	-----
In metropolitan areas \$ do	87.7	95.8	104.1	117.3	84.6	76.8	75.0	73.8	96.6	102.5	115.1	118.0	102.9	96.7	91.3	-----
Privately owned \$ do	119.9	131.8	143.2	161.2	117.9	93.4	98.3	97.7	128.3	145.7	155.2	155.8	140.4	138.4	122.7	-----

Seasonally adjusted at annual rates: Total, including farm (private only) \$ do																
Total, incl. farm (private only) \$ do	1,747	1,864	1,577	1,520	1,718	1,657	1,663	1,531	1,529	1,611	1,505	1,585	1,424	1,484	-----	-----

Unless otherwise stated, statistics through 1962 and descriptive notes are shown in the 1963 edition of BUSINESS STATISTICS	1962	1963	1963				1964									
	Monthly average	Sept.	Oct.	Nov.	Dec.		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>CONSTRUCTION AND REAL ESTATE—Continued</b>																
<b>CONSTRUCTION COST INDEXES—Con.</b>																
E. H. Boeckh and Associates, Inc.: <sup>1</sup>																
Average, 20 cities:																
All types combined..... <sup>1957-59=100</sup>	107.8	110.2	111.2	111.3	111.4	111.5	111.9	111.9	111.9	112.3	112.9	113.6	114.1	114.2	114.1	
Apartments, hotels, office buildings.....do	108.8	111.3	112.3	112.4	112.5	112.6	113.0	113.1	113.1	113.4	114.1	114.9	115.3	115.4	115.3	
Commercial and factory buildings.....do	107.8	110.2	111.2	111.2	111.4	111.5	111.9	111.9	111.9	112.3	112.9	113.6	114.1	114.2	114.1	
Residences.....do	106.3	108.5	109.6	109.7	109.8	109.9	110.2	110.3	110.3	110.7	111.1	111.8	112.2	112.3	112.3	
Engineering News-Record:																
Building..... <sup>1957-59=100</sup>	110.1	112.7	114.2	114.6	114.3	114.4	114.6	114.6	115.0	115.3	115.6	116.2	116.6	116.9	117.1	<sup>1</sup> 117.0
Construction.....do	114.7	118.6	120.3	120.6	120.3	120.4	120.8	121.1	121.4	121.9	122.3	123.1	124.3	124.7	124.7	<sup>1</sup> 124.7
Bu. of Public Roads—Highway construction:																
Composite (avg. for qtr.)..... <sup>1957-59=100</sup>	*98.6	*101.0	101.7				103.4				102.2			99.3		
<b>CONSTRUCTION MATERIALS</b>																
Output Index:																
Composite, unadjusted..... <sup>1947-49=100</sup>	134.5	142.9	152.4	163.8	135.8	122.2	127.2	129.8	149.8	158.8	158.5	165.1	160.6			
Seasonally adjusted.....do		146.2	144.7	142.4	142.3	136.4	147.9	156.1	155.9	147.6	154.1	166.4				
Iron and steel products, unadjusted.....do	131.6	140.7	147.2	154.9	126.0	113.3	118.4	122.7	151.1	168.7	164.4	174.8	172.5			
Lumber and wood products, unadj.....do	134.6	140.5	147.4	160.7	137.6	130.2	142.6	141.9	158.0	158.0	154.5	155.6	148.5			
Portland cement, unadjusted.....do	167.6	176.1	207.5	219.1	181.7	143.5	113.2	118.0	147.7	176.4	205.9	216.5	222.6			
<b>REAL ESTATE</b>																
Mortgage applications for new home construction:																
Applications for FHA commitments																
thous. units.....	18.4	15.8	14.8	15.0	11.4	10.3	11.5	14.4	19.0	18.7	15.8	17.9	15.2	15.8	15.4	15.1
Seasonally adjusted annual rate.....do			173	176	190	183	178	193	190	190	173	177	162	176	174	183
Requests for VA appraisals.....do	14.3	11.6	11.3	11.2	8.3	9.1	9.1	9.4	11.3	11.1	9.5	10.8	10.7	8.3	10.4	
Seasonally adjusted annual rate.....do			140	140	145	159	138	135	124	111	99	103	109	88		
Home mortgages insured or guaranteed by—																
Fed. Hous. Adm.: Face amount.....mil. \$	439.24	464.09	505.00	567.53	444.50	486.68	543.00	439.85	483.39	483.67	456.89	570.30	616.55	604.77	605.39	650.14
Vet. Adm.: Face amount.....do	221.01	253.76	267.35	316.01	258.21	255.35	267.77	201.31	208.70	206.20	192.02	232.60	251.51	245.93	270.33	
Federal Home Loan Banks, outstanding advances to member institutions.....mil. \$	*3,479	*4,784	4,024	4,226	4,290	4,784	4,414	4,216	4,168	4,444	4,395	4,769	4,763	4,781	4,887	
New mortgage loans of all savings and loan associations, estimated total.....mil. \$	1,730	2,061	2,196	2,387	1,856	2,118	1,716	1,712	2,071	2,081	2,145	2,394	*2,363	*2,164	2,041	
By purpose of loan:																
Home construction.....do	498	586	642	685	502	620	434	474	621	579	597	624	*635	573	498	
Home purchase.....do	710	827	928	977	757	776	696	674	784	831	881	1,054	1,037	*1,025	964	
All other purposes.....do	521	648	626	725	597	722	586	666	671	716	667		691	602	579	
New nonfarm mortgages recorded (\$20,000 and under), estimated total.....mil. \$	2,849	3,077	3,177	3,534	2,880	2,987	2,758	2,575	2,935	3,089	3,090	3,388				
Nonfarm foreclosures.....number	7,204	8,183	7,898	8,461	7,959	7,931	8,530	8,097	8,711	9,475	9,421	9,469				
Fire losses (on bldgs., contents, etc.).....mil. \$	105.42	117.13	98.35	109.52	94.91	113.12	139.33	118.85	126.45	124.93	105.98	108.56	108.08	99.47	100.55	

**DOMESTIC TRADE**

<b>ADVERTISING</b>																
Printers' Ink advertising index, seas. adj.: Combined index..... <sup>1957-59=100</sup>	113	118	124	119	114	124	120	123	123	125	123	128	127			
Business papers.....do	108	112	115	113	113	117	112	108	113	108	108	121	111			
Magazines.....do	119	127	131	127	131	134	126	128	133	128	137	138	142			
Newspapers.....do	102	96	103	95	90	106	102	103	99	107	100	103	105			
Outdoor.....do	88	88	79	101	83	85	72	87	91	104	86	86	79			
Radio (network).....do	75	95	106	101	86	106	78	84	83	76	87	82	103			
Television (network).....do	118	144	151	142	125	146	151	160	158	160	157	159	157			
Television advertising:																
Network (major national networks):																
Gross time costs, total.....mil. \$	*199.7	*208.2	200.8			220.8			224.1			222.2				
Automotive, incl. accessories.....do	*13.1	*14.6	13.3			16.3			15.2			14.6				
Drugs and toiletries.....do	*63.3	*69.6	67.9			72.3			74.5			69.1				
Foods, soft drinks, confectionery.....do	*39.5	*39.9	39.1			43.0			45.3			43.7				
Soaps, cleansers, etc.....do	*20.9	*21.9	22.6			21.6			24.4			24.5				
Smoking materials.....do	*22.2	*23.9	24.2			25.0			28.0			24.5				
All other.....do	*40.8	*38.4	33.8			42.6			36.8			45.8				
Spot (natl. and regional, cooperating stations):																
Gross time costs, total.....mil. \$	*180.3	*217.8	185.3			242.9			255.9			263.7				
Automotive, incl. accessories.....do	*5.9	*8.1	7.6			8.4			9.7			11.4				
Drugs and toiletries.....do	*36.1	*42.8	34.9			48.7			52.3			47.0				
Foods, soft drinks, confectionery.....do	*60.4	*73.0	60.2			82.3			92.3			93.1				
Soaps, cleansers, etc.....do	*21.1	*22.9	22.4			20.3			24.5			26.5				
Smoking materials.....do	*7.4	*9.7	8.6			10.1			10.4			12.4				
All other.....do	*49.4	*61.2	51.5			73.1			66.7			73.3				
Magazine advertising (general and natl. farm magazines):																
Cost, total.....mil. \$	73.0	77.6	82.1	99.6	103.2	77.2	54.0	73.0	86.7	93.3	102.7	83.5	60.5	58.5	85.7	
Apparel and accessories.....do	4.6	4.8	9.1	7.0	5.7	3.9	2.0	3.3	6.7	7.5	6.3	2.2	.6	6.0	9.5	
Automotive, incl. accessories.....do	7.9	8.5	6.1	14.8	12.7	5.9	7.0	9.1	9.8	10.6	11.5	8.9	6.3	4.3	8.0	
Building materials.....do	2.3	2.2	3.0	2.2	1.8	1.5	.9	1.8	2.3	3.5	3.6	3.0	2.0	1.5	2.9	
Drugs and toiletries.....do	7.1	8.0	8.0	9.9	10.8	9.9	6.2	8.0	9.1	8.6	9.8	9.5	7.7	7.4	8.4	
Foods, soft drinks, confectionery.....do	10.6	10.4	8.9	12.4	13.6	11.0	9.0	10.9	12.8	11.8	12.9	11.6	10.2	8.5	9.5	
Beer, wine, liquors.....do	4.5	4.7	4.2	5.5	6.9	8.8	1.7	3.3	4.2	4.5	5.2	4.8	3.7	2.7	4.2	
Household equip., supplies, furnishings.....do	4.9	5.5	5.8	8.4	7.7	4.4	2.7	3.6	5.6	7.1	9.6	7.7	4.3	3.3	6.0	
Industrial materials.....do	3.7	3.7	4.5	5.1	5.5	2.8	1.8	3.1	3.4</td							

Unless otherwise stated, statistics through 1962  
and descriptive notes are shown in the 1963  
edition of BUSINESS STATISTICS

	1962	1963	1963				1964									
	Monthly average		Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.

## DOMESTIC TRADE—Continued

ADVERTISING—Continued																	
Newspaper advertising lineage (52 cities):																	
Total																	
Total	233.2	238.0	246.7	267.7	258.4	260.6	210.6	210.4	248.0	265.1	275.9	247.0	226.5	238.0	248.2	—	—
Classified	60.5	62.5	65.0	65.9	61.8	53.8	59.8	60.9	66.3	68.6	74.8	68.4	66.9	70.5	64.9	—	—
Display, total	172.7	175.6	181.7	201.8	196.6	206.7	150.8	149.5	181.7	196.5	201.1	178.6	159.6	167.5	183.4	—	—
Automotive	12.4	12.5	12.7	16.0	13.0	8.7	10.6	12.1	12.7	15.7	17.1	16.2	12.8	11.8	15.6	—	—
Financial	4.8	4.9	4.7	5.5	4.7	5.3	6.8	4.2	5.4	5.6	4.8	5.2	5.8	3.9	4.4	—	—
General	25.1	23.8	26.2	28.9	25.8	24.0	20.8	25.4	28.8	29.2	25.9	19.6	17.5	24.9	—	—	—
Retail	130.3	134.3	138.1	151.4	153.1	168.8	115.2	112.3	138.2	146.4	150.0	131.3	121.4	134.4	138.5	—	—
RETAIL TRADE																	
All retail stores:	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Estimated sales (unadj.), total	19,613	20,536	19,267	21,528	21,494	25,104	19,154	18,758	20,502	21,186	22,508	22,242	22,145	21,778	21,246	122,781	—
Durable goods stores ♀	do	6,245	6,675	5,999	7,599	6,985	7,208	6,031	6,122	6,741	7,360	7,693	7,719	7,399	7,011	6,786	17,058
Automotive group	do	3,566	3,830	2,990	4,387	3,949	3,690	3,677	3,684	4,058	4,453	4,551	4,387	4,159	3,853	3,660	13,689
Passenger car, other auto. dealers	do	3,344	3,600	2,779	4,148	3,712	3,377	3,488	3,505	3,847	4,215	4,289	4,110	3,896	3,611	3,435	—
Tire, battery, accessory dealers	do	222	230	211	239	237	313	189	179	211	238	262	277	263	242	225	—
Furniture and appliance group	do	901	968	980	1,095	1,077	1,333	905	920	973	1,004	1,043	1,112	1,091	1,111	1,075	11,239
Furniture, homefurnishings stores	do	583	622	647	719	703	790	584	600	638	663	685	735	708	735	694	—
Household appliance, TV, radio	do	318	346	333	376	374	543	321	320	335	341	358	377	390	376	381	—
Lumber, building, hardware group	do	947	964	1,055	1,119	1,002	918	712	709	798	938	1,047	1,129	1,109	1,052	1,037	—
Lumber, bldg. materials dealers	do	728	743	842	897	771	610	536	542	616	721	801	879	872	823	808	—
Hardware stores	do	219	221	213	222	231	308	176	182	217	246	250	237	229	229	229	—
Nondurable goods stores ♀	do	13,367	13,861	13,268	13,029	14,509	17,896	13,123	12,636	13,761	13,826	14,815	14,523	14,746	14,767	14,460	15,723
Apparel group	do	1,195	1,205	1,161	1,191	1,308	2,172	1,026	927	1,283	1,140	1,282	1,238	1,118	1,209	1,272	11,375
Men's and boys' wear stores	do	228	232	203	218	254	471	208	176	206	204	240	254	221	220	233	—
Women's apparel, accessory stores	do	456	466	448	472	509	834	407	375	502	463	506	465	427	463	482	—
Family and other apparel stores	do	301	300	296	304	343	572	234	220	309	262	303	302	275	314	320	—
Shoe stores	do	209	207	214	197	202	295	177	156	266	211	233	217	195	212	237	—
Drug and proprietary stores	do	669	681	647	667	666	906	671	656	680	665	713	705	707	708	756	—
Eating and drinking places	do	1,442	1,506	1,526	1,556	1,486	1,533	1,436	1,386	1,485	1,547	1,650	1,711	1,796	1,805	1,680	11,757
Food group	do	4,801	4,929	4,684	4,910	5,153	5,194	5,018	4,849	4,891	4,898	5,248	5,114	5,484	5,283	5,149	5,639
Grocery stores	do	4,344	4,463	4,238	4,449	4,679	4,679	4,588	4,406	4,414	4,739	4,613	4,971	4,780	4,658	5,138	—
Gasoline service stations	do	1,554	1,614	1,599	1,649	1,625	1,713	1,566	1,480	1,585	1,617	1,708	1,754	1,820	1,801	1,691	11,781
General merchandise group ♀	do	2,267	2,388	2,275	2,417	2,728	4,399	1,872	1,875	2,303	2,310	2,479	2,491	2,380	2,591	2,553	12,836
Department stores	do	1,320	1,390	1,340	1,404	1,590	2,625	1,004	1,069	1,336	1,366	1,463	1,481	1,394	1,513	1,521	11,688
Mall order houses (dept. store mdse.)	do	163	177	172	197	248	307	140	146	178	179	173	170	158	195	189	—
Variety stores	do	371	395	354	378	414	793	289	313	389	361	399	395	398	421	402	—
Liquor stores	do	450	472	437	466	510	724	433	427	434	446	485	472	500	489	476	—
Estimated sales (seas. adj.), total	do	—	—	20,426	20,716	20,558	21,019	21,000	21,523	21,223	21,392	21,777	21,773	21,935	22,266	22,175	121,536
Durable goods stores ♀	do	6,606	6,941	6,734	6,831	6,855	7,262	6,939	7,010	7,218	7,002	7,060	7,324	7,421	7,421	6,428	—
Automotive group	do	3,717	3,980	3,791	3,935	3,951	4,162	3,894	4,026	4,126	3,885	3,989	4,259	4,448	4,448	4,448	—
Passenger car, other auto. dealers	do	3,495	3,748	3,556	3,685	3,711	3,925	3,646	3,788	3,880	3,645	3,755	4,025	4,218	4,218	4,218	—
Tire, battery, accessory dealers	do	222	232	235	250	240	237	248	238	246	240	234	234	234	234	230	—
Furniture and appliance group	do	—	—	985	1,028	986	1,021	1,019	1,073	1,088	1,095	1,080	1,108	1,107	1,094	1,054	—
Furniture, homefurnishings stores	do	648	666	640	637	671	707	711	701	699	735	709	719	677	735	737	—
Household appliance, TV, radio	do	337	362	346	384	348	366	377	394	381	373	398	375	375	375	377	—
Lumber, building, hardware group	do	—	—	975	986	994	952	949	1,007	936	912	974	992	954	938	958	—
Lumber, bldg. materials dealers	do	761	764	754	716	730	779	727	707	754	765	732	732	711	723	723	—
Hardware stores	do	214	222	240	236	219	228	209	205	220	227	222	227	227	227	235	—
Nondurable goods stores ♀	do	13,820	13,775	13,824	14,188	14,145	14,271	14,284	14,382	14,559	14,771	14,875	14,942	14,754	14,508	15,108	—
Apparel group	do	1,204	1,150	1,186	1,250	1,250	1,291	1,228	1,272	1,295	1,322	1,363	1,267	1,363	1,363	1,267	—
Men's and boys' wear stores	do	238	217	224	239	231	246	238	241	250	244	257	269	260	269	260	—
Women's apparel, accessory stores	do	465	451	463	482	497	505	477	504	502	522	509	519	488	519	488	—
Family and other apparel stores	do	303	286	294	307	302	326	292	308	320	338	333	351	311	351	311	—
Shoe stores	do	198	196	205	222	220	214	226	219	223	218	217	224	208	224	208	—
Drug and proprietary stores	do	688	683	677	694	694	666	702	689	713	721	726	722	722	722	741	—
Eating and drinking places	do	1,470	1,530	1,506	1,528	1,580	1,582	1,593	1,584	1,599	1,589	1,589	1,623	1,642	1,633	1,609	—
Food group	do	4,897	4,943	4,973	4,991	5,031	4,991	5,031	5,064	5,112	5,064	5,034	5,202	5,261	5,234	5,301	—
Grocery stores	do	4,441	4,484	4,512	4,523	4,548	4,513	4,605	4,574	4,540	4,704	4,769	4,743	4,743	4,802	4,802	—
Gasoline service stations	do	1,605	1,618	1,638	1,681	1,638	1,641	1,629	1,674	1,674	1,683	1,701	1,690	1,683	1,683	1,685	—
General merchandise group ♀	do	—	—	2,390	2,303	2,355	2,474	2,481	2,592	2,489	2,514	2,589	2,620	2,686	2,734	2,594	—
Department stores	do	—	—	1,386	1,321	1,355	1,457	1,464	1,538	1,467	1,543	1,533	1,580	1,630	1,518	1,518	—
Mall order houses (dept. store mdse.)	do	181	173	183</													

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edition of BUSINESS STATISTICS

	1962	1963	1963				1964									
	Monthly average		Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.

## DOMESTIC TRADE—Continued

RETAIL TRADE—Continued																	
All retail stores—Continued																	
Estimated inventories, end of year or month\$—Continued																	
Book value (seas. adj.)—Continued																	
Nondurable goods stores?																	
Durable goods stores	16,210	16,874	16,720	16,805	16,913	16,874	16,942	16,878	16,748	16,916	16,902	17,101	17,205	17,205	17,271	—	
Apparel group	3,569	3,539	3,551	3,581	3,605	3,530	3,646	3,657	3,593	3,630	3,610	3,672	3,692	3,698	3,681	—	
Food group	3,405	3,568	3,619	3,578	3,585	3,568	3,659	3,683	3,680	3,665	3,651	3,664	3,670	3,709	3,726	—	
General merchandise group	4,897	5,186	5,074	5,147	5,219	5,186	5,101	4,959	4,923	4,999	4,996	5,102	5,215	5,117	5,156	—	
Department stores*	2,466	2,730	2,639	2,695	2,747	2,730	2,679	2,622	2,564	2,557	2,600	2,670	2,751	2,734	2,782	—	
Firms with 4 or more stores:																	
Estimated sales (unadjusted), total	5,472	5,813	5,546	5,947	6,411	8,239	5,328	5,143	5,773	5,819	6,253	6,109	6,157	6,230	6,167	—	
Firms with 11 or more stores:																	
Estimated sales (unadj.), total?	4,631	4,857	4,611	4,915	5,354	6,943	4,478	4,330	4,859	4,858	5,233	5,107	5,169	5,202	5,133	—	
Apparel group?	do	307	316	309	311	348	567	247	228	365	304	350	335	292	329	341	—
Men's and boys' wear stores	do	29	30	25	30	34	60	26	22	29	26	33	32	26	25	28	—
Women's apparel, accessory stores	do	124	134	128	131	152	246	97	95	147	132	148	144	125	143	140	—
Shoe stores	do	90	88	93	83	83	133	73	66	119	100	94	82	91	103	—	—
Drug and proprietary stores	do	137	144	135	138	143	226	140	138	148	141	152	152	153	151	154	—
Eating and drinking places	do	100	104	107	109	105	107	102	100	111	111	120	131	134	138	129	—
Furniture, homefurnishings stores	do	40	42	41	51	52	51	32	39	45	44	47	46	44	47	45	—
General merchandise group?	do	1,464	1,585	1,526	1,615	1,843	2,995	1,262	1,246	1,564	1,592	1,696	1,698	1,605	1,756	1,717	—
Dept. stores, excl. mail order sales	901	985	961	1,000	1,137	1,850	790	763	968	1,002	1,074	1,075	1,003	1,089	1,079	—	—
Variety stores	do	284	295	272	292	321	611	216	238	304	281	306	304	299	320	305	—
Grocery stores	do	1,920	1,974	1,825	1,965	2,140	2,081	2,086	1,982	1,970	1,975	2,125	1,981	2,158	2,021	1,999	—
Lumber yards, bldg. materials dealers?	do	62	63	71	75	64	50	46	47	52	61	69	79	81	75	77	—
Tire, battery, accessory dealers	do	90	91	83	93	94	132	75	72	82	96	106	115	108	101	93	—
Estimated sales (seas. adj.), total?	do																—
Apparel group?	do	316	298	310	326	336	337	326	326	343	343	349	351	369	369	337	—
Men's and boys' wear stores	do	31	29	27	28	31	33	29	29	31	34	32	33	33	33	33	—
Women's apparel, accessory stores	do	132	125	135	137	139	140	136	136	151	146	153	149	156	142	142	—
Shoe stores	do	87	84	83	92	94	90	98	98	91	95	91	96	103	92	92	—
Drug and proprietary stores	do	147	146	144	147	152	148	157	147	157	156	161	161	158	163	163	—
Eating and drinking places	do	105	107	105	106	111	110	112	112	115	127	126	126	130	125	125	—
Furniture, homefurnishings stores	do	42	46	44	42	41	47	46	46	45	46	46	46	48	48	47	—
General merchandise group?	do	1,605	1,523	1,600	1,674	1,698	1,743	1,721	1,718	1,768	1,759	1,791	1,830	1,755	—	—	—
Dept. stores, excl. mail order sales	do	1,000	932	993	1,050	1,057	1,090	1,075	1,049	1,110	1,087	1,124	1,154	1,093	—	—	—
Variety stores	do	297	298	296	305	318	318	319	329	320	324	329	328	327	327	327	—
Grocery stores	do	1,970	1,993	2,015	2,017	2,041	2,018	2,055	2,030	1,999	2,066	2,084	2,084	2,084	2,103	2,103	—
Lumber yards, bldg. materials dealers?	do	63	64	63	61	63	67	62	61	64	67	76	76	68	68	68	—
Tire, battery, accessory dealers	do	89	91	92	99	99	98	96	96	99	100	96	100	97	97	97	—
All retail stores, accounts receivable, end of mo.: Total	14,299	15,484	13,990	14,269	14,361	15,484	14,628	14,123	14,335	14,638	15,197	15,140	15,334	15,412	15,662	—	
Durable goods stores	6,241	6,626	6,532	6,588	6,456	6,626	6,259	6,083	6,131	6,218	6,491	6,647	6,691	6,724	6,874	—	
Nondurable goods stores	8,058	8,858	7,458	7,681	7,905	8,858	8,369	8,040	8,204	8,420	8,706	8,493	8,643	8,688	8,788	—	
Charge accounts	7,441	7,826	7,178	7,381	7,381	7,826	7,409	7,126	7,221	7,431	7,718	7,594	7,535	7,502	7,568	—	
Installment accounts	6,858	7,658	6,812	6,888	6,980	7,658	7,219	6,997	7,114	7,207	7,479	7,546	7,799	7,910	8,094	—	
Department stores:																	—
Ratio of collections to accounts receivable:																	—
Charge accounts	48	49	48	50	50	49	49	48	50	48	48	51	50	48	49	49	—
Installment accounts	17	17	17	18	17	18	16	18	18	17	18	17	17	17	17	17	—
Sales by type of payment:																	—
Cash sales	43	43	42	41	43	45	43	42	43	42	43	44	45	44	43	43	—
Charge account sales	40	39	40	41	39	38	37	39	39	40	40	38	37	38	39	39	—
Installment sales	17	18	18	18	17	20	19	18	18	17	18	18	18	18	18	18	—

## EMPLOYMENT AND POPULATION

POPULATION																
Population, U.S. (incl. Alaska and Hawaii):																
Total, incl. armed forces overseas?																
Total, incl. armed forces overseas?	186,66	2189,38	189,89	190,14	190,39	190,61	190,81	191,01	191,23	191,44	191,64	191,85	192,07	192,31	192,56	192,81
EMPLOYMENT																
Noninstitutional population, est. number 14 years of age and over, total, unadj.-mil.																
Noninstitutional population, est. number 14 years of age and over, total, unadj.-mil.	130,08	132,12	132,50	132,68	132,85	133,02	133,20	133,36	133,52	133,68	133,87	134,04	134,22	134,40	134,59	134,77
Total labor force, incl. armed forces-thous.																
Total labor force, incl. armed forces-thous.	74,681	75,712	75,811	76,086	76,000	75,201	74,514	75,259	75,553	76,544	77,490	79,389	78,958	78,509	76,865	77,112
Civilian labor force, total-thous.	71,854	72,975	73,062	73,344	73,261	72,461	71,793	72,527	72,810	73,799	74,742	76,645	76,218	75,758	74,122	74,375
Employed, total-thous.	67,846	68,809	69,546	69,891	69,325	68,615	67,228	68,002	68,517	69,877	71,101	71,953	72,405	72,104	70,805	71,123
Agricultural employment-thous.	5,190	4,946	5,326	5,350	4,777	4,039	3,993	4,017	4,017	4,017	4,429	5,007	5,853	5,819	5,400	5,126
Nonagricultural employment-thous.	62,657	63,863	64,220</td													

Unless otherwise stated, statistics through 1962 and descriptive notes are shown in the 1963 edition of BUSINESS STATISTICS

	1962	1963	1963				1964									
	Monthly average	Sept.	Oct.	Nov.	Dec.		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct. <sup>a</sup>
<b>EMPLOYMENT AND POPULATION—Continued</b>																
<b>EMPLOYMENT—Continued</b>																
Employees on payrolls (nonagricultural estab.): <sup>t</sup>																
Total, unadjusted <sup>t</sup> : thous.	55,841	57,174	58,211	58,426	58,220	58,585	56,909	57,045	57,388	57,945	58,500	59,212	58,993	59,256	59,821	59,783
Manufacturing establishments: do	16,859	17,035	17,398	17,367	17,229	17,139	16,935	16,982	17,051	17,106	17,186	17,404	17,354	17,553	17,842	17,515
Durable goods industries: do	9,493	9,659	9,801	9,811	9,789	9,765	9,686	9,676	9,734	9,801	9,844	9,951	9,904	9,888	10,156	9,903
Nondurable goods industries: do	7,367	7,376	7,597	7,556	7,440	7,374	7,269	7,306	7,317	7,305	7,342	7,453	7,450	7,665	7,686	7,612
Mining, total <sup>g</sup> : do	652	634	641	637	634	631	614	611	624	631	649	644	645	642	642	642
Metal mining: do	83	82	84	84	84	82	83	82	83	85	86	88	80	80	82	82
Coal mining: do	152	139	134	136	136	137	135	134	130	129	128	129	129	129	130	130
Crude petroleum and natural gas: do	299	293	295	290	292	295	290	287	288	291	291	302	305	299	305	305
Contract construction: do	2,909	3,029	3,378	3,333	3,176	2,925	2,628	2,651	2,760	2,977	3,191	3,373	3,493	3,552	3,452	3,429
Transportation and public utilities <sup>g</sup> : do	3,903	3,913	3,982	3,968	3,944	3,931	3,876	3,879	3,883	3,922	3,949	4,000	4,025	4,039	4,043	4,027
Railroad transportation: do	797	774	780	776	770	773	755	753	754	762	764	770	774	773	765	765
Local and interurban passenger transit: do	271	273	276	278	279	282	284	283	273	278	279	270	262	261	277	277
Motor freight trans. and storage: do	880	898	934	936	925	913	885	888	889	899	913	946	954	960	971	971
Air transportation: do	200	210	212	212	213	214	215	214	215	217	219	222	225	226	227	227
Telephone communication: do	688	688	693	691	685	685	688	691	691	699	701	709	718	720	716	716
Electric, gas, and sanitary services: do	611	612	618	611	611	610	609	608	609	611	613	619	628	631	623	623
Wholesale and retail trade: do	11,582	11,865	11,942	12,014	12,166	12,774	11,917	11,837	11,926	11,987	12,100	12,252	12,247	12,276	12,309	12,399
Wholesale trade: do	3,061	3,143	3,199	3,208	3,208	3,238	3,201	3,187	3,188	3,195	3,207	3,251	3,286	3,307	3,298	3,311
Retail trade: do	8,521	8,722	8,743	8,806	8,958	9,536	8,716	8,650	8,738	8,792	8,893	9,001	8,961	8,969	9,011	9,088
Finance, insurance, and real estate: do	2,798	2,866	2,887	2,884	2,880	2,880	2,875	2,885	2,895	2,913	2,924	2,958	2,991	2,991	2,964	2,954
Services and miscellaneous: do	7,949	8,297	8,436	8,472	8,406	8,379	8,313	8,362	8,415	8,543	8,641	8,742	8,785	8,765	8,729	8,757
Government: do	9,188	9,535	9,547	9,751	9,787	9,926	9,751	9,847	9,873	9,878	9,834	9,454	9,435	9,435	9,404	10,060
Total, seasonally adjusted <sup>t</sup> : do	155,841	157,174	157,453	157,646	157,580	157,748	157,850	158,183	158,327	158,502	158,590	158,782	158,912	158,955	159,049	158,983
Manufacturing establishments: do	16,859	17,035	17,076	17,119	17,061	17,127	17,119	17,175	17,242	17,301	17,323	17,367	17,409	17,392	17,516	17,264
Durable goods industries: do	9,493	9,659	9,705	9,718	9,688	9,737	9,726	9,750	9,814	9,868	9,853	9,906	9,942	9,932	10,057	9,808
Ordnance and accessories: do	271	277	275	277	275	276	276	276	268	266	266	258	258	246	247	245
Lumber and wood products: do	589	586	588	589	595	598	596	601	607	599	592	590	595	591	586	584
Furniture and fixtures: do	385	390	392	391	392	394	394	395	399	401	401	406	410	407	408	410
Stone, clay, and glass products: do	594	608	610	611	614	612	618	623	621	623	628	630	629	629	626	626
Primary metal industries: do	1,164	1,164	1,164	1,155	1,166	1,166	1,169	1,177	1,183	1,202	1,206	1,221	1,240	1,240	1,250	1,239
Fabricated metal products: do	1,128	1,153	1,165	1,164	1,162	1,169	1,176	1,186	1,194	1,198	1,199	1,220	1,220	1,209	1,220	1,179
Machinery: do	1,490	1,520	1,531	1,545	1,548	1,555	1,559	1,547	1,567	1,575	1,585	1,595	1,606	1,615	1,631	1,636
Electrical equipment and supplies: do	1,579	1,582	1,574	1,571	1,557	1,566	1,564	1,559	1,563	1,570	1,571	1,573	1,583	1,578	1,595	1,588
Transportation equipment: do	1,542	1,614	1,635	1,647	1,619	1,629	1,621	1,631	1,640	1,660	1,643	1,643	1,626	1,626	1,606	1,506
Instruments and related products: do	360	372	373	373	373	375	375	375	377	377	376	380	381	380	381	383
Miscellaneous manufacturing Ind.: do	391	393	398	395	398	397	396	401	401	403	405	407	408	411	413	412
Nondurable goods industries: do	7,367	7,376	7,371	7,401	7,373	7,390	7,393	7,425	7,428	7,433	7,470	7,471	7,467	7,460	7,459	7,456
Food and kindred products: do	1,760	1,738	1,723	1,742	1,733	1,741	1,741	1,743	1,735	1,724	1,725	1,712	1,710	1,713	1,704	1,705
Tobacco manufactures: do	91	89	86	89	95	91	88	89	90	90	90	90	90	87	84	91
Textile mill products: do	903	890	886	890	889	888	891	897	899	897	898	897	897	895	898	901
Apparel and related products: do	1,267	1,298	1,306	1,312	1,291	1,295	1,299	1,310	1,318	1,336	1,348	1,348	1,337	1,334	1,339	1,338
Paper and allied products: do	614	621	622	620	622	624	627	627	629	630	631	633	633	632	632	632
Printing, publishing, and allied Ind.: do	925	928	935	934	931	939	940	942	943	947	953	953	952	953	953	948
Chemicals and allied products: do	846	866	869	871	870	871	872	872	876	873	877	884	885	884	885	882
Petroleum refining and related Ind.: do	195	188	190	189	188	186	185	185	185	185	184	184	184	184	184	184
Rubber and misc. plastic products: do	406	409	402	402	406	405	407	412	416	419	422	422	422	423	424	418
Leather and leather products: do	360	350	352	347	348	345	348	345	348	351	355	354	357	354	356	357
Mining: do	652	634	632	629	630	623	624	625	631	628	633	643	643	634	633	634
Contract construction: do	2,909	3,029	3,071	3,066	3,057	3,069	3,017	3,169	3,162	3,144	3,159	3,179	3,187	3,186	3,188	3,155
Transportation and public utilities: do	3,903	3,913	3,960	3,937	3,928	3,915	3,923	3,934	3,930	3,954	3,961	3,964	3,985	4,003	4,011	3,995
Wholesale and retail trade: do	11,582	11,865	11,922	11,935	11,941	11,963	12,072	12,143	12,143	12,211	12,209	12,268	12,306	12,289	12,318	12,318
Finance, insurance, and real estate: do	2,798	2,866	2,873	2,887	2,882	2,904	2,911	2,918	2,925	2,937	2,944	2,944	2,949	2,957	2,957	2,957
Services and miscellaneous: do	7,949	8,297	8,377	8,430	8,447	8,474	8,515	8,552	8,543	8,572	8,572	8,572	8,678	8,678	8,668	8,713
Government: do	9,188	9,535	9,552	9,643	9,633	9,718	9,712	9,755	9,793	9,808	9,833	9,789	9,812	9,845	9,947	9,947
Production workers on mfg. payrolls, unadjusted <sup>t</sup> : do	12,494	12,585	12,923	12,895	12,756	12,665	12,472	12,518	12,584	12,634	12,710	12,892	12,814	13,009	13,322	13,617
Total, unadjusted <sup>t</sup> : do	12,494	12,585	12,923	12,895	12,756	12,665	12,472	12,518	12,584	12,634	12,710	12,892	12,814	13,018	12,773	
Seasonally adjusted: do	12,611	12,611	12,619	12,590	12,653	12,639	12,697	12,813	12,813	12,824	12,864	12,892	12,814	13,018	13,018	
Durable goods industries, unadj.: do	6,946	7,059	7,193	7,204	7,180	7,155	7,064	7,075	7,132	7,198	7,241	7,332	7,268	7,253	7,533	7,299
Seasonally adjusted: do	7,097	7,110	7,129	7,120	7,148	7,148	7,207	7,260	7,236	7,278	7,311	7,440	7,205			
Ordnance and accessories: do	120	119	120	119	119	118	114	113	112	109	107	105	104	107	106	
Lumber and wood products: do	526	524	551	543	534	522	502	504	506	518	532	558	558	559	551	558
Furniture and fixtures: do	320	324	333	334	332	329	324	325	327	330	328	337	336	344	348	350
Stone, clay, and glass products: do	479	49														

Unless otherwise stated, statistics through 1962  
and descriptive notes are shown in the 1963  
edition of BUSINESS STATISTICS

	1962	1963	1963				1964										
			Monthly average	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct. <sup>p</sup>

## EMPLOYMENT AND POPULATION—Continued

EMPLOYMENT—Continued																	
Miscellaneous employment data:																	
Federal civilian employees (executive branch):																	
United States.....	2,311	2,328	2,312	2,314	2,313	1,2452	2,293	2,291	2,293	2,304	2,302	2,314	2,325	2,326	2,290	-----	
Wash., D.C., metropolitan area.....	230	239	239	240	240	1,243	239	240	241	241	241	246	249	247	243	-----	
Railroad employees (class I railroads):	do.....	720	714	703	699	694	693	680	676	677	685	688	693	697	695	685	679
Total.....	do.....	79.5	77.1	78.2	78.5	79.3	79.5	73.8	74.3	74.9	75.7	75.3	75.2	75.6	76.1	76.2	76.2
Index, seasonally adjusted.....	1957-59=100.....	1957-59=100.....	1957-59=100.....	1957-59=100.....	1957-59=100.....	1957-59=100.....	1957-59=100.....	1957-59=100.....	1957-59=100.....	1957-59=100.....	1957-59=100.....	1957-59=100.....	1957-59=100.....	1957-59=100.....	1957-59=100.....	1957-59=100.....	
INDEXES OF WEEKLY PAYROLLS†																	
Construction (construction workers)‡, 1957-59=100.....	116.4	127.0	149.5	149.7	131.5	119.2	102.4	109.2	114.1	127.1	139.7	149.8	157.1	162.6	150.4	-----	
Manufacturing (production workers)‡.....	113.7	118.0	122.6	122.6	121.5	122.4	117.7	119.4	120.4	122.0	123.6	126.1	124.4	126.6	131.1	126.7	
Mining (production workers)‡.....	90.5	90.6	94.0	92.8	90.5	91.4	87.8	86.9	85.9	89.4	92.5	96.2	94.4	96.2	94.6	-----	
HOURS AND EARNINGS †																	
Average weekly gross hours per production worker on payrolls of nonagric. estab., unadjusted‡	40.4	40.4	40.7	40.7	40.5	40.8	39.8	40.3	40.4	40.5	40.7	40.9	40.7	40.9	40.6	40.7	
All manufacturing estab., unadj.‡, hours.....	40.4	40.4	40.7	40.6	40.5	40.5	40.1	40.6	40.7	40.7	40.7	40.6	40.6	40.7	40.6	40.6	
Seasonally adjusted.....	do.....	2.8	2.8	3.1	3.0	3.0	3.1	2.7	2.7	2.8	2.9	3.0	3.2	3.0	3.3	3.2	
Average overtime.....	do.....	40.9	41.1	41.3	41.4	41.2	41.6	40.6	41.0	41.3	41.5	41.7	41.3	41.5	41.5	41.4	
Durable goods industries.....	do.....	41.3	41.2	41.1	41.5	40.8	41.3	41.2	41.4	41.4	41.2	41.4	41.4	41.5	41.5	41.2	
Seasonally adjusted.....	do.....	2.8	2.9	3.2	3.2	3.2	3.3	2.9	2.8	3.1	3.1	3.4	3.1	3.5	3.6	3.4	
Average overtime.....	do.....	41.1	41.1	41.3	41.2	40.8	41.5	40.8	40.3	40.2	40.4	40.5	40.9	41.1	40.1	40.4	
Ordnance and accessories.....	do.....	39.8	40.1	40.8	40.8	39.7	40.0	38.6	39.6	39.7	39.9	40.5	40.8	40.9	40.0	40.8	
Lumber and wood products.....	do.....	40.7	40.9	41.6	41.6	41.3	41.9	39.4	40.7	40.7	40.5	41.1	40.8	41.9	41.4	42.3	
Furniture and fixtures.....	do.....	40.9	41.3	41.8	42.1	41.5	40.6	39.8	40.7	41.6	41.6	42.1	42.1	41.6	41.9	41.9	
Stone, clay, and glass products.....	do.....	40.2	41.0	40.7	40.4	40.6	41.3	41.1	41.1	41.4	41.6	41.8	42.0	41.6	41.8	41.7	
Primary metal industries.....	do.....	39.0	40.0	39.3	38.7	39.0	39.5	40.0	40.0	40.5	41.0	41.1	41.2	41.2	43.1	43.2	
Blast furnaces, steel and rolling mills.....	do.....	41.1	41.4	41.9	41.8	41.8	41.5	41.9	40.9	41.2	41.2	41.6	41.6	42.1	41.7	41.5	
Fabricated metal products.....	do.....	41.7	41.8	41.9	41.8	41.8	42.5	41.8	42.3	42.4	42.5	42.7	42.9	42.4	42.2	42.2	
Machinery.....	do.....	40.6	40.4	40.7	40.6	40.4	40.8	40.0	40.2	40.3	40.4	40.5	40.3	40.7	40.7	41.0	
Electrical equipment and supplies.....	do.....	42.0	42.0	41.9	42.7	42.8	43.0	41.5	41.5	41.4	42.0	42.0	42.5	41.6	42.3	41.4	
Transportation equipment.....	do.....	42.7	42.8	42.1	43.9	44.3	44.7	42.2	42.2	41.7	42.9	43.8	42.3	43.9	43.9	43.9	
Motor vehicles and equipment.....	do.....	41.8	41.5	41.7	41.6	41.4	41.5	41.1	41.0	40.9	41.0	41.2	41.0	40.9	42.0	42.0	
Aircraft and parts.....	do.....	40.9	40.8	41.1	41.1	41.0	41.0	39.8	40.5	40.4	40.5	40.7	41.0	40.8	41.0	40.7	
Instruments and related products.....	do.....	39.7	39.6	39.9	40.1	39.8	39.8	38.4	39.5	39.8	39.4	39.7	39.3	39.8	39.3	40.0	
Miscellaneous mfg. industries.....	do.....	39.6	40.0	39.3	38.7	39.0	39.5	40.0	40.0	40.5	41.0	41.1	41.2	43.1	43.2	43.2	
Nondurable goods industries, unadj. ....	39.6	39.6	39.9	39.9	39.6	39.9	38.7	39.4	39.5	39.4	39.7	39.9	39.8	40.1	39.5	39.8	
Seasonally adjusted.....	do.....	2.7	2.7	3.0	2.9	2.8	2.8	2.5	2.6	2.6	2.7	2.8	2.9	3.1	3.1	3.1	
Average overtime.....	do.....	40.9	40.9	41.6	41.2	41.0	41.1	40.3	40.2	40.1	40.3	40.9	41.1	41.1	41.2	40.8	
Food and kindred products.....	do.....	38.6	38.6	39.7	39.7	38.9	39.4	36.9	35.3	37.8	39.5	39.3	39.7	38.9	39.3	40.1	
Tobacco manufactures.....	do.....	40.6	40.6	40.6	40.6	41.3	41.3	40.0	40.9	40.7	41.1	41.3	41.3	41.3	41.6	41.6	
Textile mill products.....	do.....	36.2	36.1	36.3	36.3	35.8	35.9	33.9	36.3	36.4	36.1	35.9	36.2	36.3	36.7	36.1	
Apparel and related products.....	do.....	42.5	42.7	43.2	43.2	42.8	43.0	42.1	42.5	42.5	42.7	43.0	43.0	43.0	43.3	43.2	
Paper and allied products.....	do.....	38.3	38.3	38.6	38.4	38.2	38.9	37.0	38.2	38.5	38.5	38.8	38.4	38.8	38.7	38.7	
Printing, publishing, and allied ind. ....	do.....	41.5	41.5	41.5	41.4	41.4	41.7	41.1	41.3	41.6	41.6	41.7	41.2	41.5	41.4	41.4	
Chemicals and allied products.....	do.....	41.6	41.7	42.2	41.7	41.5	41.4	41.3	41.4	41.4	41.3	42.0	42.1	42.3	42.1	41.9	
Petroleum refining and related ind. ....	do.....	41.2	41.4	41.7	41.7	41.0	41.5	41.1	41.0	40.9	41.3	41.2	41.4	41.3	42.4	41.1	
Petroleum refining.....	do.....	41.0	40.6	40.6	40.6	40.7	41.3	40.0	40.9	40.7	40.6	40.7	40.8	40.9	41.1	41.1	
Rubber and misc. plastic products.....	do.....	41.0	40.8	41.4	41.1	41.0	41.7	40.5	40.6	40.8	41.4	41.6	40.8	41.9	41.8	41.8	
Leather and leather products.....	do.....	37.6	37.5	37.5	37.8	37.2	38.9	37.4	38.2	37.7	36.5	37.6	38.5	38.6	38.5	37.2	
Nonmanufacturing establishments:†	do.....	41.0	41.6	42.1	42.3	41.3	41.6	41.2	41.4	41.1	41.5	42.0	42.3	41.9	42.2	41.4	
Mining‡, 1957-59=100.....	41.5	41.2	41.6	41.3	41.2	42.1	42.3	41.2	42.0	41.6	42.0	41.8	41.1	41.2	41.6	41.4	
Metal mining.....	do.....	36.6	38.8	39.2	39.0	37.8	39.7	39.3	38.2	36.6	37.6	38.7	39.7	39.7	37.4	37.4	
Coal mining.....	do.....	42.0	42.1	42.1	42.5	42.2	42.3	41.9	42.3	42.4	42.1	42.0	42.4	42.4	41.6	41.5	
Crude petroleum and natural gas.....	do.....	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	
Contract construction.....	do.....	37.0	37.3	38.3	38.9	36.4	35.3	34.1	35.9	36.5	37.1	37.9	38.2	38.1	38.6	36.5	
General building contractors.....	do.....	35.6	36.0	36.6	37.3	35.1	34.3	32.8	35.1	35.9	36.0	36.5	36.6	37.0	35.2	35.2	
Heavy construction.....	do.....	40.5	41.3	42.9	43.6	40.0	36.7	36.6	38.9	39.1	40.5	42.1	42.4	43.1	39.8	39.8	
Special trade contractors.....	do.....	36.3	36.5	37.2	37.7	35.7	35.5	34.1	35.4	36.0	36.4	37.1	37.3	37.1	37.6	36.0	
Transportation and public utilities:	do.....	42.6	42.2	42.1	42.0	41.8	41.9	42.0	41.5	40.9	41.9	42.6	43.0	42.7	42.3	41.8	
Local and suburban transportation.....	do.....	41.5	41.6	42.0	42.3	41.3	41.9	40.5	41.0	41.2	41.5	41.8	42.3	42.4	42.2	42.2	
Motor freight transportation and storage.....	do.....	39.9	40.0	40.5	40.4	40.8	39.6	39.3	39.6	39.5	39.3	39.8	40.0	40.2	41.8	41.8	
Telephone communication.....	do.....	41.0	41.2	41.4	41.4	41.4	41.5	41.5	41.0	41.0	41.2	41.2	41.2	41.7	41.4	41.4	
Electric, gas, and sanitary services.....	do.....	40.1	41.2	41.4	41.4	41.4	41.4	41.4	41.5	41.5	41.0	41.1	41.2	41.7	41.1	41.4	
Wholesale and retail trade§.....	do.....	38.7	38.6	38.6	38.4	38.3	38.8	38.1	38.2	38.2	38.3	38.7	39.1	39.0	38.4	38.4	
Wholesale trade.....	do.....	40.6	40.6	40.6	40.7	40.5	40.9	40.2	40.3	40.5	40.6	40.7	40.8	40.9	40.8	40.6	
Retail trade§.....	do.....	37.9	37.8	37.7	37.5												

Unless otherwise stated, statistics through 1962  
and descriptive notes are shown in the 1963  
edition of BUSINESS STATISTICS

	1962	1963	1963				1964									
	Monthly average		Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct. <sup>a</sup>

## EMPLOYMENT AND POPULATION—Continued

## HOURS AND EARNINGS—Continued

Average weekly gross earnings per production worker on payrolls of nonagric. estab. <sup>f</sup> —Con.																
All manufacturing estab. <sup>f</sup> —Continued																
Nondurable goods industries—dollars	85.54	87.91	89.35	88.98	89.10	90.17	87.85	89.04	89.67	89.83	90.52	90.97	91.14	91.43	91.64	91.54
Food and kindred products—do	91.62	94.48	95.68	94.35	95.94	96.59	95.91	95.68	95.84	96.32	98.16	97.99	97.82	97.00	98.06	97.51
Tobacco manufactures—do	71.41	73.73	71.46	71.46	73.13	74.86	68.84	75.60	80.19	80.17	81.39	80.13	75.08	72.31	72.58	
Textile mill products—do	68.21	69.43	69.83	71.04	72.28	72.69	70.40	71.98	71.63	72.75	73.10	71.81	73.10	71.64	75.71	
Apparel and related products—do	61.18	62.09	64.25	63.01	63.54	60.00	64.61	64.79	63.90	63.54	63.71	64.25	65.69	62.82	64.98	
Paper and allied products—do	102.00	105.90	108.43	108.43	108.36	106.09	107.10	106.85	107.53	108.46	109.65	110.51	111.71	112.06	111.89	
Printing, publishing, and allied ind.—do	107.62	110.30	112.71	111.74	110.78	113.98	110.67	111.93	113.58	113.96	113.28	112.99	114.85	115.71	115.71	
Chemicals and allied products—do	109.98	112.88	114.13	113.85	115.09	113.85	113.99	114.40	115.51	116.34	116.20	116.05	119.83	116.75		
Petroleum refining and related ind.—do	126.88	131.77	134.20	131.77	132.39	132.89	132.16	132.07	131.24	130.92	133.14	133.46	134.09	133.88	140.61	134.50
Rubber and misc. plastic products—do	100.04	100.78	102.67	101.93	102.91	105.08	101.25	101.09	101.59	102.25	104.74	105.66	103.63	107.68	108.94	107.43
Leather and leather products—do	64.67	66.00	67.13	67.66	66.59	69.63	66.95	68.76	68.24	66.43	68.43	70.46	70.25	68.45	68.63	
Nonmanufacturing establishments: <sup>t</sup>																
Mining <sup>g</sup> —do	110.70	114.40	117.04	116.75	113.99	116.48	115.36	115.09	113.85	115.37	117.60	118.44	117.32	119.43	117.99	
Metal mining—do	117.45	118.66	121.06	120.60	119.89	122.51	123.09	122.51	122.64	122.30	123.90	123.73	122.07	121.95	124.80	
Coal mining—do	113.09	119.95	123.48	121.68	117.94	125.85	124.97	121.09	115.66	121.45	125.78	131.86	121.32	131.01	124.17	
Crude petroleum and natural gas—do	109.20	111.99	113.67	113.05	113.10	113.79	112.71	112.94	112.78	111.57	111.99	110.88	113.21	111.90	112.88	
Contract construction—do	122.47	127.57	132.90	134.98	125.58	124.96	122.08	127.09	128.48	131.33	133.03	133.70	134.87	137.03	130.67	
General building contractors—do	112.50	117.72	121.88	124.58	116.53	115.93	111.52	118.29	120.98	122.76	123.37	123.74	126.54	122.14		
Heavy construction—do	122.31	128.03	136.85	138.63	124.00	118.17	118.95	123.31	121.99	127.98	133.88	135.26	138.35	140.94	129.75	
Special trade contractors—do	128.50	133.59	137.64	139.49	131.38	133.48	129.24	133.81	135.36	137.23	139.13	139.50	140.98	142.50	137.52	
Transportation and public utilities:																
Local and suburban transportation—do	100.11	101.70	102.30	102.48	102.41	102.24	103.32	101.68	98.98	103.49	105.65	106.64	106.75	105.33	104.92	
Motor freight transportation and storage—do	113.30	117.31	120.12	120.13	117.29	120.67	116.24	118.49	119.89	121.18	122.47	122.93	123.09	125.08	124.49	
Telephone communication—do	98.95	102.40	105.30	105.04	106.08	103.36	102.18	102.56	102.70	101.79	104.28	104.40	104.52	109.52		
Electric, gas, and sanitary services—do	116.85	121.13	123.37	122.96	124.92	124.09	123.00	123.00	124.22	124.42	125.93	124.94	127.10			
Wholesale and retail trade <sup>§</sup> —do	75.08	77.50	78.36	77.95	77.75	77.60	78.11	78.69	78.69	79.07	79.66	80.50	81.33	81.12	80.64	
Wholesale trade—do	96.22	99.47	100.69	100.94	100.85	101.43	100.10	100.75	101.66	102.31	102.97	102.82	103.07	103.22	103.12	
Retail trade <sup>§</sup> —do	65.95	68.04	68.61	68.25	68.26	68.40	68.26	68.82	68.64	69.19	69.75	70.69	71.62	71.43	70.31	
Finance, insurance, and real estate:																
Banking—do	71.80	74.97	75.14	74.97	75.35	76.13	76.70	77.08	76.09	75.92	76.26	75.80	76.50	76.13	76.63	
Insurance carriers <sup>¶</sup> —do	93.46	96.28	96.72	96.79	96.86	97.67	91.36	92.14	91.55	91.63	92.04	91.99	92.03	92.23	92.14	
Services and miscellaneous:																
Hotels, tourist courts, and motels—do	46.14	47.58	48.22	48.09	47.72	47.86	47.72	47.70	47.97	48.89	49.02	47.62	47.95	47.28	47.63	
Laundries, cleaning and dyeing plants <sup>△</sup> —do	50.57	51.87	52.00	51.87	51.99	52.13	53.58	54.00	54.81	55.63	56.59	56.16	55.73	55.73	56.21	
Average hourly gross earnings per production worker on payrolls of nonagric. estab. <sup>f</sup>																
All manufacturing establishments <sup>f</sup> —Continued																
Nondurable goods industries—dollars	2.39	2.46	2.47	2.47	2.49	2.51	2.51	2.51	2.51	2.52	2.53	2.53	2.52	2.56	2.53	
Excluding overtime <sup>c</sup> —do	2.31	2.37	2.38	2.38	2.40	2.42	2.43	2.42	2.43	2.44	2.44	2.44	2.42	2.46	2.43	
Durable goods industries—do	2.56	2.63	2.65	2.65	2.67	2.69	2.68	2.69	2.69	2.70	2.71	2.71	2.70	2.74	2.70	
Excluding overtime <sup>c</sup> —do	2.48	2.54	2.55	2.55	2.57	2.58	2.60	2.59	2.60	2.61	2.61	2.60	2.61	2.63	2.60	
Ordnance and accessories—do	2.83	2.91	2.93	2.94	2.95	2.97	2.96	2.97	2.97	2.99	3.00	3.00	3.02	3.03	3.04	
Lumber and wood products—do	1.99	2.04	2.12	2.10	2.09	2.08	2.07	2.07	2.07	2.11	2.13	2.15	2.16	2.19	2.18	
Furniture and fixtures—do	1.95	1.99	2.02	2.02	2.02	2.03	2.02	2.02	2.03	2.03	2.02	2.03	2.04	2.06	2.06	
Stone, clay, and glass products—do	2.41	2.48	2.50	2.51	2.50	2.50	2.50	2.50	2.50	2.52	2.55	2.55	2.55	2.56	2.57	
Primary metal industries—do	2.98	3.04	3.03	3.04	3.06	3.06	3.07	3.08	3.09	3.10	3.10	3.10	3.11	3.19	3.11	
Blast furnaces, steel and rolling mills—do	3.29	3.36	3.35	3.33	3.33	3.36	3.35	3.37	3.37	3.39	3.40	3.39	3.38	3.40	3.52	
Fabricated metal products—do	2.55	2.61	2.63	2.63	2.64	2.65	2.65	2.66	2.65	2.66	2.68	2.67	2.69	2.71	2.67	
Machinery—do	2.71	2.78	2.80	2.80	2.82	2.84	2.84	2.85	2.86	2.87	2.88	2.88	2.87	2.88	2.88	
Electrical equipment and supplies—do	2.40	2.46	2.47	2.47	2.49	2.51	2.51	2.51	2.52	2.52	2.53	2.53	2.52	2.53	2.53	
Transportation equipment <sup>g</sup> —do	2.91	3.01	3.05	3.08	3.10	3.10	3.07	3.06	3.08	3.08	3.10	3.10	3.11	3.15	3.07	
Motor vehicles and equipment—do	2.99	3.10	3.14	3.18	3.21	3.21	3.17	3.14	3.14	3.18	3.20	3.18	3.23	3.27		
Aircraft and parts—do	2.87	2.95	2.99	2.99	3.00	3.01	3.02	3.01	3.02	3.03	3.03	3.03	3.05	3.06	3.08	3.10
Instruments and related products—do	2.44	2.49	2.50	2.50	2.51	2.51	2.51	2.51	2.51	2.52	2.52	2.53	2.53	2.54	2.54	
Miscellaneous mfg. industries—do	1.97	2.03	2.02	2.03	2.07	2.07	2.08	2.08	2.08	2.09	2.08	2.08	2.07	2.06	2.07	2.09
Nondurable goods industries—do	2.16	2.22	2.24	2.23	2.25	2.26	2.27	2.26	2.27	2.28	2.28	2.28	2.29	2.28	2.30	
Excluding overtime <sup>c</sup> —do	2.09	2.15	2.16	2.16	2.17	2.19	2.20	2.19	2.20	2.20	2.20	2.20	2.21	2.23	2.22	
Food and kindred products—do	2.24	2.31	2.30	2.29	2.34	2.35	2.38	2.38	2.39	2.40	2.39	2.40	2.38	2.36	2.39	
Tobacco manufactures—do	1.85	1.91	1.80	1.80	1.88	1.90	1.97	1.95	2.00	2.02	2.04	2.05	2.06	1.93	1.84	1.81
Textile mill products—do	1.68	1.71	1.72	1.72	1.75	1.76	1.76	1.75	1.76	1.77	1.77	1.77	1.76	1.77	1.80	1.82
Apparel and related products—do	1.69	1.72	1.77	1.77	1.76	1.77	1.78	1.78	1.78	1.77	1.77	1.76	1.77	1.79	1.80	1.80
Paper and allied products—do	2.40	2.48	2.48	2.48	2.51	2.52	2.50	2.50	2.49	2.49	2.50	2.53	2.54	2.57	2.60	2.57
Printing, publishing, and allied ind.—do	2.81	2.88	2.92	2.91	2.90	2.93	2.92	2.93	2.95	2.95	2.96	2.95	2.95	2.96	2.99	2.99

Unless otherwise stated, statistics through 1962 and descriptive notes are shown in the 1963 edition of BUSINESS STATISTICS	1962	1963	1963				1964									
	Monthly average	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
<b>EMPLOYMENT AND POPULATION—Continued</b>																
<b>HOURS AND EARNINGS—Continued</b>																
Miscellaneous wages:																
Construction wages, 20 cities (ENR): \$ per hr.																
Common labor.....	2,946	3,082	3,134	3,134	3,134	3,139	3,154	3,169	3,187	3,202	3,233	3,282	3,295	3,295	3,300	
Skilled labor.....	4,348	4,525	4,501	4,602	4,602	4,611	4,636	4,640	4,644	4,658	4,680	4,769	4,787	4,807	4,812	
Farm, without board or rm., 1st of mo.....	11.01	11.05	.99				1.14		1.14			1.13				1.01
Railroad wages (average, class I).....	2,740	2,823	2,782	2,748	2,785	2,785	2,765	2,803	2,764	2,765	2,785	2,774				
Road-building, com. labor (qtrly.).....	12.31	12.38		2.45			2.27		2.37							
<b>LABOR CONDITIONS</b>																
Help-wanted advertising, seas. adj. t. 1957-59=100.....	110	109	107	111	112	118	116	117	118	120	118	121	124	123	126	127
Labor turnover in manufacturing estab.: t																
Accession rate, total...mo. rate for 100 employees.....	4.1	3.9	4.8	3.9	2.9	2.5	3.6	3.4	3.7	3.8	3.9	5.1	4.4	t 5.1	p 4.5	
Seasonally adjusted.....	do	2.5	2.4	3.1	2.6	1.8	1.4	2.0	2.0	2.2	2.4	3.6	4.1	4.1	p 3.9	p 3.6
New hires.....	do	4.1	3.9	4.9	4.1	3.8	3.7	4.0	3.3	3.5	3.5	3.6	2.9	p 3.4	p 3.3	
Separation rate, total.....	do			3.9	3.7	3.7	3.7	4.0	3.8	3.8	3.9	4.0	4.2	p 4.2	p 4.9	
Seasonally adjusted.....	do												4.3	p 3.7	p 3.9	
Quit.....	do	1.4	1.4	2.4	1.5	1.1	1.8	1.2	1.1	1.2	1.3	1.5	1.4	1.5	p 2.1	p 2.6
Layoff.....	do	2.0	1.8	1.8	1.9	2.1	2.3	2.0	1.5	1.6	1.4	1.4	1.3	2.1	p 1.4	p 1.5
Seasonally adjusted.....	do							1.8	1.8	1.7	1.7	1.6	2.0	p 1.5		
Industrial disputes (strikes and lockouts):																
Beginning in month:																
Work stoppages.....number	301	280	287	346	223	132	210	225	220	300	410	360	420	340	275	
Workers involved.....thous.	102	78	81	96	80	27	60	80	65	122	176	134	133	83	342	
In effect during month:																
Work stoppages.....number		500	574	467	336	370	375	360	450	570	585	660	595	515		
Workers involved.....thous.		155	153	152	82	100	125	100	163	218	227	194	147	409		
Man-days idle during month.....do	1,550	1,340	985	1,420	1,410	977	1,010	1,130	800	1,100	2,180	1,930	1,710	1,350	2,320	
<b>EMPLOYMENT SERVICE AND UNEMPLOYMENT INSURANCE</b>																
Nonfarm placements.....thous.	560	548	664	662	493	432	443	414	478	541	572	572	549	554	639	
Unemployment Insurance programs:																
Insured unemployment, all programs.....do	1,924	2,193	2,1372	2,1445	2,1667	2,2113	2,2559	2,2408	2,2200	2,1886	2,1552	2,1390	2,1445	2,1358	2,1218	
State programs:																
Initial claims.....do	1,309	1,285	957	1,157	1,200	1,865	1,848	1,181	1,136	1,086	908	976	1,238	937	858	
Insured unemployment, weekly avg.....do	1,783	1,806	1,261	1,333	1,542	1,972	2,395	2,243	2,050	1,755	1,447	1,297	1,343	1,261	1,125	
Percent of covered employment: <sup>a</sup> do	4.4	4.3	3.0	3.1	3.6	4.7	5.7	5.8	4.9	4.2	3.4	3.1	3.1	2.9	2.5	
Unadjusted.....													3.6	3.5	3.4	
Seasonally adjusted <sup>b</sup> .....																
Beneficiaries, weekly average.....thous.	1,525	1,541	1,107	1,070	1,127	1,524	1,997	2,015	1,887	1,678	1,347	1,142	1,108	1,085	943	
Benefits paid.....mil. \$	223.0	231.2	163.1	172.0	165.0	233.0	319.3	283.8	292.6	258.0	201.5	183.1	180.5	164.5	148.4	
Federal employees, Insured unemployment.....thous.	29	31	28	29	32	34	39	40	38	32	27	25	26	25	24	
Veterans' program (UCX):																
Initial claims.....do	28	29	28	31	29	39	39	29	28	27	20	25	32	26	25	
Insured unemployment, weekly avg.....do	50	55	42	43	48	60	73	72	67	57	46	42	44	43	36	
Beneficiaries, weekly average.....do	47	52	40	38	39	52	67	71	59	64	48	42	38	41	36	
Benefits paid.....mil. \$	6.6	7.6	5.7	5.9	5.4	7.6	10.2	9.6	8.9	9.7	7.0	6.6	6.2	6.3	5.9	
Railroad program:																
Applicants.....thous.	17	13	15	12	11	12	13	7	5	13	5	16	38			
Insured unemployment, weekly avg.....do	62	47	41	41	45	47	53	51	45	42	32	27	31	29	32	
Benefits paid.....mil. \$	11.1	8.3	6.4	7.5	6.7	8.6	9.9	8.8	8.5	7.4	5.2	4.9				

**FINANCE**

<b>BANKING</b>																
Open market paper outstanding, end of mo.: Bankers' acceptances.....mill. \$	\$2,650	\$2,890	2,709	2,733	2,744	2,890	2,938	3,056	3,102	3,102	3,049	3,149	3,137	3,127	3,175	
Commercial and finance co. paper, total.....do	\$6,000	\$6,747	7,161	7,869	8,170	6,747	7,765	8,119	7,737	7,920	8,326	8,036	8,879	8,879	8,444	
Placed through dealers.....do	\$2,088	\$1,928	2,098	2,230	2,172	1,928	2,042	2,079	2,038	1,973	1,948	2,006	2,070	2,220		
Placed directly (finance paper).....do	\$3,912	\$4,819	5,063	5,639	5,998	4,819	5,723	6,040	5,699	5,881	6,353	6,088	6,873	6,809	6,224	
Agricultural loans and discounts outstanding of agencies supervised by the Farm Credit Adm.: Total, end of mo.....nil. \$	\$5,753	\$6,403	6,430	6,418	6,366	6,403	6,460	6,542	6,627	6,727	6,813	6,940	7,048	7,081	7,084	
Federal land banks.....do	\$3,052	\$3,310	3,259	3,280	3,291	3,310	3,333	3,364	3,406	3,445	3,481	3,516	3,551	3,586	3,620	
Loans to cooperatives.....do	\$3,735	\$4,840	735	848	858	840	866	849	815	786	747	757	782	787	809	
Other loans and discounts.....do	\$1,966	\$2,253	2,436	2,290	2,217	2,253	2,261	2,330	2,405	2,496	2,585	2,667	2,715	2,707	2,656	
Bank debts:																
Unadjusted:																
Total (344 centers).....btl. \$	286.4	312.9	310.4	337.2	296.6	357.1	360.8	294.9	342.9	349.9	329.6	353.6	362.9	319.4	* 339.0	353.5
New York City.....do	118.0	129.7	130.3	136.9	116.7	151.0	153.9	121.1	145.8	148.2	135.3	151.2	134.5	128.3	142.9	146.1
6 other leading centers <sup>c</sup> .....do	58.5	64.6	63.1	71.3	63.8	74.6	73.5	60.5	71.1	72.8	68.6	70.9	72.9	65.8	* 68.0	72.0
Seasonally adjusted:																
Total (344 centers).....do			329.7	326.7	312.7	333.0	339.9	331.6	331.6	350.2	327.8	334.2	354.0	338.1	* 351.6	350.5
New York City.....do			140.1	133.7	125.4	139.6	143.7	129.4	138.1	146.0	135.1	140.2	151.5	140.4	* 149.5	146.0
6 other leading centers <sup>c</sup> .....do			67.0	69.4	67.3	69.6	65.5	68.4	72.4	67.7	67.5	71.4	68.8	* 70.4	71.7	
337 other centers.....do			122.6	123.6	120.0	123.7	126.6	121.1	125.1	131.8	125.0	126.5	131.1	128.9	131.7	132.8
Federal Reserve banks, condition, end of mo.: Assets, total <sup>d</sup> .....mil. \$	\$56,020	\$58,028	55,615	56,336	57,848	58,028	56,389	56,928	56,629	57,101	57,158	57,742	57,882	57,964	59,421	59,643
Reserve bank credit outstanding, total <sup>d</sup> .....do	\$33,902	\$36,418	34,302	34,587	35,919	36,418	34,643	35,274	35,314	35,115	36,066	36,589	36,797	36,941	37,111	37,902
Discounts and advances.....do	\$3,38	\$63	138	332	568	63	364	570	130	116	226	79	239	185	95	415
U.S. Government securities.....do	\$30,820	\$33,593	32,563	32,758	33,667	33,593	32,752	33,169	33,770	33,169	34,229	34,794	35,051	35,164	35,350	35,709
Gold certificate reserves.....do	\$15,696	\$15,237	15,309	15,310	15,294	15,237	15,231	15,185	15,190	15,195	15,176	15,185	15,188	15,192	15,190	15,185
Liabilities, total <sup>d</sup> .....do	\$56,020	\$58,028	55,615													



Unless otherwise stated, statistics through 1962 and descriptive notes are shown in the 1963 edition of BUSINESS STATISTICS	1962	1963	1963				1964								
	Monthly average	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>FINANCE—Continued</b>															
<b>CONSUMER CREDIT:—Continued</b>															
Total outstanding, end of year or month—Con.															
Noninstallment credit—Continued															
Charge accounts, total..... mil. \$	5,684	5,871	4,833	4,898	4,999	5,871	5,339	4,805	4,634	4,833	5,099	5,238	5,240	5,231	5,223
Department stores..... do	927	895	620	639	667	895	782	655	614	610	626	610	576	588	624
Other retail outlets..... do	4,252	4,456	3,667	3,743	3,817	4,456	4,014	3,590	3,485	3,667	3,910	4,028	4,008	3,960	3,928
Credit cards..... do	505	520	546	516	515	520	543	560	535	556	563	600	656	683	671
Service credit..... do	3,990	4,315	4,143	4,103	4,158	4,315	4,367	4,471	4,482	4,553	4,520	4,522	4,502	4,484	4,472
Installment credit extended and repaid:															
Unadjusted:															
Extended, total..... do	4,594	5,068	4,755	5,487	4,981	5,974	4,784	4,552	5,322	5,578	5,584	5,949	5,747	5,519	5,393
Automobile paper..... do	1,650	1,834	1,524	2,040	1,734	1,767	1,689	1,686	1,983	2,127	2,137	2,245	2,166	1,984	1,830
Other consumer goods paper..... do	1,307	1,417	1,384	1,547	1,517	2,094	1,380	1,212	1,488	1,495	1,547	1,632	1,543	1,540	1,592
All other..... do	1,637	1,817	1,847	1,900	1,730	2,113	1,715	1,654	1,851	1,956	1,900	2,072	2,038	1,995	1,971
Repaid, total..... do	4,218	4,593	4,563	4,948	4,543	4,924	4,932	4,597	5,079	4,991	4,846	5,155	5,165	4,960	5,002
Automobile paper..... do	1,456	1,613	1,618	1,794	1,598	1,675	1,699	1,604	1,783	1,768	1,712	1,798	1,844	1,757	1,786
Other consumer goods paper..... do	1,245	1,320	1,289	1,404	1,316	1,374	1,508	1,383	1,504	1,470	1,424	1,501	1,460	1,430	1,469
All other..... do	1,517	1,659	1,656	1,750	1,629	1,875	1,725	1,610	1,792	1,753	1,710	1,856	1,861	1,773	1,747
Seasonally adjusted:															
Extended, total..... do	5,093	5,311	4,979	5,272	5,276	5,421	5,480	5,371	5,552	5,399	5,541	5,529	5,617		
Automobile paper..... do	1,730	1,910	1,792	1,914	1,888	1,953	1,942	1,961	2,023	1,962	1,996	2,017	2,024		
Other consumer goods paper..... do	1,425	1,457	1,432	1,523	1,493	1,578	1,665	1,544	1,589	1,537	1,546	1,570	1,588		
All other..... do	1,938	1,944	1,755	1,835	1,895	1,890	1,873	1,866	1,940	1,900	1,999	1,942	2,005		
Repaid, total..... do	4,752	4,780	4,506	4,812	4,848	4,842	4,956	4,959	5,059	5,029	5,058	5,094	5,104		
Automobile paper..... do	1,659	1,676	1,638	1,707	1,684	1,716	1,735	1,759	1,776	1,768	1,781	1,789	1,802		
Other consumer goods paper..... do	1,347	1,362	1,324	1,384	1,441	1,395	1,468	1,453	1,483	1,486	1,448	1,496	1,491		
All other..... do	1,746	1,742	1,634	1,721	1,723	1,731	1,753	1,747	1,800	1,775	1,829	1,809	1,811		
<b>FEDERAL GOVERNMENT FINANCE</b>															
Net cash transactions with the public: <sup>a</sup>															
Receipts from..... mil. \$	8,850	9,381	11,652	4,423	9,617	10,503	6,628	11,525	12,168	8,334	10,652	14,286	4,745	10,552	11,739
Payments to..... do	9,323	9,763	9,549	10,740	9,812	10,069	9,848	9,393	9,390	10,163	9,533	10,290	10,217	11,218	9,700
Excess of receipts, or payments (—)..... do	-472	-382	2,102	-6,318	-194	433	-3,219	2,132	2,778	-1,829	1,119	3,996	-5,472	-666	2,039
Seasonally adjusted quarterly totals: <sup>b</sup>															
Receipts..... do			28,472				28,976			29,668			28,438		28,162
Payments..... do			30,395				29,962			30,491			29,341		30,646
Excess of receipts, or payments (—)..... do			-1,923				-986			-823			-903		-2,483
Budget receipts and expenditures:															
Receipts, total..... do	8,983	9,523	11,722	4,371	8,911	10,379	6,580	12,235	13,961	9,559	10,525	14,438	5,131	9,662	11,766
Receipts, net <sup>c</sup> ..... do	7,059	7,293	10,095	3,400	7,131	8,803	5,853	8,047	10,148	6,609	6,136	12,310	3,487	6,653	10,072
Customs..... do	103	105	104	123	106	103	101	87	108	109	100	117	120	112	122
Individual income taxes..... do	4,340	4,525	5,350	1,651	5,541	5,382	3,873	6,975	3,991	5,895	5,398	4,810	1,549	4,967	4,924
Corporation income taxes..... do	1,821	1,897	3,603	557	396	3,726	583	451	6,654	684	491	6,196	646	419	3,950
Employment taxes..... do	1,108	1,346	1,098	468	1,440	1,147	404	2,835	1,579	1,106	2,864	1,460	624	2,338	1,148
Other internal revenue and receipts..... do	1,612	1,650	1,567	1,571	1,428	1,820	1,619	1,887	1,629	1,765	1,672	1,855	2,192	1,826	1,621
Expenditures, total <sup>d</sup> ..... do	7,659	7,849	7,815	8,776	7,784	8,289	8,492	7,521	7,871	7,930	7,511	9,513	7,410	8,083	8,450
Interest on public debt..... do	796	852	856	865	903	925	880	907	895	895	948	957	913	927	
Veterans' services and benefits..... do	442	439	438	463	454	455	481	450	455	415	449	500	442	479	489
National defense..... do	4,425	4,414	4,215	4,710	4,081	4,515	4,348	4,378	4,564	4,666	5,677	3,542	3,784	4,194	
All other expenditures..... do	2,052	2,189	2,334	2,750	2,386	2,442	2,819	1,946	2,143	2,071	1,523	2,435	2,946	2,991	2,846
Public debt and guaranteed obligations:															
Gross debt (direct), end of mo., total..... bil. \$	1303.47	1309.35	306.64	306.44	308.22	309.35	308.58	310.36	309.59	307.60	311.53	311.71	311.18	314.09	315.61
Interest bearing, total..... do	1299.21	1305.21	302.66	302.46	304.09	305.21	304.50	306.13	305.40	303.38	307.21	307.36	306.86	309.62	311.12
Public issues..... do	1255.75	1261.56	258.01	259.18	260.54	261.56	262.58	263.25	262.18	261.38	262.18	260.73	261.12	262.18	264.96
Held by U.S. Govt. investment accts..... do	11.99	14.14	13.48	13.76	14.01	14.14	14.44	14.39	14.23	13.93	14.16	14.34	14.02	14.20	14.30
Special issues..... do	143.43	143.66	44.65	43.28	43.55	43.66	41.92	42.88	43.22	42.00	45.03	46.63	45.74	47.44	47.37
Noninterest bearing..... do	14.26	14.13	3.97	3.98	4.12	4.13	4.08	4.22	4.18	4.22	4.32	4.36	4.33	4.46	4.42
Guaranteed obligations not owned by U.S. Treasury, end of month:															
Assets, total, all U.S. life insurance companies <sup>e</sup> ..... bil. \$	133.29	138.76	139.61	140.21	140.90	141.87	142.53	143.07	143.68	144.31	144.96	145.82	146.48		
Bonds (book value), domestic and foreign:															
total..... bil. \$	163.72	65.79	66.08	66.36	66.10	66.63	66.79	66.76	66.91	67.11	67.12	67.69	67.74		
U.S. Government..... do	16.17	5.82	5.79	5.76	5.78	5.80	5.73	5.69	5.73	5.63	5.63	5.76			
State, county, municipal (U.S.)..... do	14.03	3.89	3.89	3.88	3.86	3.86	3.85	3.85	3.85	3.83	3.82				
Public utility (U.S.)..... do	116.51	16.46	16.47	16.48	16.43	16.44	16.42	16.44	16.43	16.47	16.47	16.51	16.49		
Railroad (U.S.)..... do	13.48	3.47	3.46	3.45	3.43	3.42	3.41	3.41	3.41	3.40	3.39	3.41	3.41		
Industrial and miscellaneous (U.S.)..... do	128.64	30.33	30.62	30.98	30.94	31.41	31.46	31.51	31.64	31.76	31.90	32.18	32.22		
Stocks (book value), domestic and foreign, total:															
bil. \$	16.30	5.56	5.56	5.58	5.74	5.77	5.85	5.90	5.94	6.02	6.06	6.13			
Preferred (U.S.)..... do	12.18	2.30	2.29	2.31	2.34	2.35	2.36	2.37	2.39	2.42	2.48	2.53			
Common (U.S.)..... do	14.03	3.17	3.18	3.18	3.25	3.29	3.32	3.39	3.43	3.44	3.49	3.47	3.49		
Mortgage loans, total:															
do	146.90	49.22	49.54	49.81	50.64	50.83	51.13	51.44	51.81	52.12	52.47	52.83	53.17		
Nonfarm..... do	143.50	45.52	45.80	46.06	46.75	47.01	47.27	47.52	47.82	48.08	48.38	48.71	49.01		
Real estate..... do	14.11	4.34	4.36	4.37	4.35	4.37	4.38	4.39	4.40	4.42	4.44	4.45	4.46		

Unless otherwise stated, statistics through 1962 and descriptive notes are shown in the 1963 edition of BUSINESS STATISTICS	1962	1963	1963				1964							
	Monthly average	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.

## FINANCE—Continued

## LIFE INSURANCE—Continued

Life Insurance Agency Management Association:

Insurance written (new paid-for insurance): <sup>1</sup>															
Value, estimated total.....	6,631	7,455	7,361	8,406	7,537	9,281	6,932	7,563	8,553	9,090	7,987	8,917	7,695	7,791	8,000
Ordinary.....	4,686	5,284	5,099	5,996	5,548	6,096	5,070	5,336	6,124	6,308	5,913	6,155	5,836	5,543	5,578
Group and wholesale.....	1,358	1,574	1,662	1,764	1,388	2,651	1,350	1,609	1,798	2,174	1,427	2,140	1,286	1,643	1,834
Industrial.....	587	596	600	646	601	534	512	618	631	608	647	622	573	605	588

Premiums collected:<sup>2</sup>

Total life insurance premiums.....	1,052	1,134	1,072	1,162	1,075	1,376	1,175	1,153	1,195	1,164	1,144	1,183	1,188	1,163	1,126
Ordinary.....	778	847	802	881	817	946	892	875	908	884	861	890	893	868	840
Group and wholesale.....	155	169	163	172	152	209	176	166	180	176	175	191	188	188	184
Industrial.....	120	117	107	109	105	221	107	112	107	103	108	102	107	108	101

## MONETARY STATISTICS

Gold and silver:

Gold:															
Monetary stock, U.S. (end of yr. or mo.)... mil. \$	115,978	115,513	15,582	15,583	15,582	15,513	15,512	15,462	15,461	15,462	15,463	15,460	15,463	15,462	
Net release from earmark <sup>3</sup> .....	—66	—21	—3	107	—23	94	55	15	109	49	—21	—48	43	11	3
Exports.....	31,747	16,982	56,286	28,139	28,416	28,142	56,294	84,438	56,307	28,155	4	28,146	0	28,230	
Imports.....	12,578	3,701	1,321	1,749	2,094	2,489	2,404	2,011	1,813	1,855	2,379	2,082	1,799	2,362	

Exports.....

Imports.....

Price at New York.....

Production:

Canada.....

Mexico.....

United States.....

Silver:

Exports.....

Imports.....

Price at New York.....

Production:

Canada.....

Mexico.....

United States.....

Currency in circulation, end of yr. or mo.... bill. \$	135.3	137.7	35.9	36.2	37.2	37.7	36.2	36.3	36.8	36.9	37.2	37.7	37.8	38.0	38.2
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Money supply and related data (avg. of daily fig.):<sup>4</sup>

Unadjusted for seas. variation:																
Total money supply.....	bill. \$	146.2	150.6	150.6	152.5	154.8	157.2	157.8	153.8	152.9	155.0	152.4	153.6	155.2	155.1	156.9
Currency outside banks.....	do	30.1	31.5	31.9	32.1	32.6	33.1	32.4	32.3	32.6	32.7	33.0	33.3	33.7	33.8	
Demand deposits.....	do	116.1	119.0	118.6	120.4	122.1	124.1	125.4	121.5	120.3	122.3	119.4	120.3	121.5	121.3	123.1
Time deposits adjusted <sup>5</sup> .....	do	91.1	105.5	108.3	109.5	110.2	111.0	113.2	114.6	115.7	116.7	118.1	119.2	120.1	121.1	122.0
U.S. Government deposits.....	do	5.9	5.9	6.6	5.3	4.4	5.2	4.2	4.8	6.1	4.2	6.9	7.8	7.0	6.4	6.6

Adjusted for seas. variation:

Total money supply.....	do	151.6	152.3	153.5	153.2	153.8	153.8	154.2	154.5	154.5	155.6	156.7	157.2	158.0	
Currency outside banks.....	do	31.9	32.0	32.3	32.4	32.6	32.7	32.9	33.0	33.3	33.5	33.7	33.8	33.8	
Demand deposits.....	do	119.1	120.3	121.2	120.7	121.2	121.1	121.3	121.5	121.3	121.3	122.1	123.3	124.2	
Time deposits adjusted <sup>5</sup> .....	do	108.1	109.3	111.1	112.3	113.9	115.1	115.7	116.4	117.4	118.5	119.4	120.6	121.7	

Turnover of demand deposits except interbank and U.S. Govt., annual rates, seas. adjusted:																
Total (344 centers).....	ratio of debits to deposits	41.5	44.3	46.8	46.2	43.6	46.3	47.1	44.8	46.7	49.1	46.8	47.5	49.6	47.1	48.0
New York City.....	do	77.8	84.8	96.9	87.2	80.7	89.0	92.1	86.2	91.6	95.5	90.9	94.5	100.2	92.8	97.0
6 other centers <sup>6</sup> .....	do	41.2	44.6	46.7	48.4	46.0	47.5	47.8	45.4	46.9	49.3	47.6	47.1	49.1	47.1	49.0
337 other reporting centers.....	do	27.7	29.0	29.9	30.1	29.0	29.8	30.6	29.5	30.1	31.6	30.4	30.5	31.2	30.6	30.7

Manufacturing corps. (Fed. Trade and SEC):															
Net profit after taxes, all industries.....	mil. \$	64,430	64,871	4,785				5,461			5,121		6,121		
Food and kindred products.....	do	342	362	417				397			341		400		
Textile mill products.....	do	88	88	97				103			85		108		
Lumber and wood products (except furniture)															
mil. \$															
Paper and allied products.....	do	41	62	96				55			61		93		
Chemicals and allied products.....	do	157	158	153				194			162		194		
Petroleum refining.....	do	560	607	606				636			630		765		
Stone, clay, and glass products.....	do	809	958	938				1,117			1,022		960		
Primary nonferrous metal.....	do	145	148	204				145			70		217		
Primary iron and steel.....	do	133	141	129				160			174		200		
Fabricated metal products (except ordnance, machinery, and transport, equip.).....	do	180	234	184				265			262		325		
Machinery (except electrical).....	do	152	167	202				171			152		227		
Elec. machinery, equip., and supplies.....	do	327	358	362				363			416		553		
Transportation equipment (except motor vehicles, etc.).....	do	305	325	312				370			323		361		
Motor vehicles and equipment.....	do	110	111	114				109			111		150		
All other manufacturing industries.....	do	572	640	365				807			822		945		
Dividends paid (cash), all industries.....	do	508	510	607				570			489		622		

Electric utilities, profits after taxes (Federal Reserve):	mil. \$	516	546	529				532			660		542		
Transportation and communications (see pp. S-23 and S-24).															

Securities and Exchange Commission:															
Estimated gross proceeds, total.....	mil. \$	2,496	2,635	1,673											

Unless otherwise stated, statistics through 1962 and descriptive notes are shown in the 1963 edition of BUSINESS STATISTICS

	1962	1963	1963				1964									
	Monthly average		Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.

## FINANCE—Continued

## SECURITIES ISSUED—Continued

Securities and Exchange Commission—Continued  
Estimated gross proceeds—Continued

By type of issuer:																	
Corporate, total <sup>9</sup> .....	892	1,020	871	1,116	891	1,459	985	710	805	2,234	1,155	1,461	892	812	-----	-----	
Manufacturing.....	271	295	287	247	226	531	166	128	165	195	217	374	225	203	-----	-----	
Extractive (mining).....	17	18	6	18	2	54	10	30	45	14	20	8	22	-----	-----	-----	
Public utility.....	235	222	79	278	174	203	137	161	195	174	501	271	227	175	-----	-----	
Railroad.....	19	36	51	17	27	44	30	35	24	48	25	22	54	7	-----	-----	
Communication.....	109	91	40	46	16	65	159	84	36	1,385	27	269	24	31	-----	-----	
Financial and real estate.....	158	260	358	453	345	426	335	113	329	270	232	459	285	311	-----	-----	
Noncorporate, total <sup>9</sup> .....	1,604	1,615	802	1,861	1,226	853	1,497	1,312	1,316	2,696	1,112	1,593	1,593	3,387	-----	-----	
U.S. Government.....	716	601	347	394	333	357	474	413	399	1,444	367	383	387	2,449	-----	-----	
State and municipal.....	713	842	452	1,282	688	483	1,006	810	844	1,204	660	900	922	767	-----	-----	
New corporate security issues:																	
Estimated net proceeds, total.....	875	1,007	862	1,101	879	1,444	972	702	796	2,215	1,141	1,441	877	801	-----	-----	
Proposed uses of proceeds:																	
New money, total.....	687	749	730	912	606	1,098	845	523	677	2,094	953	1,292	716	620	-----	-----	
Plant and equipment.....	471	450	373	368	354	674	473	330	341	1,788	662	720	455	307	-----	-----	
Working capital.....	216	299	357	544	252	424	372	193	336	306	292	572	262	313	-----	-----	
Retirement of securities.....	63	127	67	88	61	30	43	17	42	37	72	63	81	72	-----	-----	
Other purposes.....	126	130	65	100	212	316	85	162	77	83	116	86	80	109	-----	-----	
State and municipal issues (Bond Buyer):																	
Long-term.....	713	842	452	1,282	688	483	1,006	810	844	1,204	660	900	922	767	952	787	
Short-term.....	397	457	283	427	613	259	267	470	593	869	515	393	222	458	540	446	

## SECURITY MARKETS

## Brokers' Balances (N.Y.S.E. Members Carrying Margin Accounts)

Cash on hand and in banks.....	1,405	1,461	431	423	478	461	464	465	474	458	448	466	451	465	456	-----
Customers' debit balances (net).....	1,4,149	1,5,541	5,356	5,524	5,621	5,541	5,546	5,405	5,387	5,531	5,458	5,388	5,314	5,207	5,241	-----
Customers' free credit balances (net).....	1,1,216	1,1,210	1,180	1,176	1,211	1,210	1,262	1,199	1,231	1,165	1,138	1,146	1,107	1,114	1,145	1,231

## Bonds

Prices:																
Standard & Poor's Corporation:																
Industrial, utility, and railroad (A1+ issues):																
Composite (19 bonds) <sup>9</sup> ..... dol. per \$100 bond.....	96.2	96.8	95.9	95.9	95.9	95.4	95.3	95.7	95.2	94.6	94.7	94.9	95.2	95.3	95.1	95.1
Domestic municipal (15 bonds).....	112.1	111.3	110.7	109.9	108.5	109.5	111.2	112.3	109.9	110.3	111.6	111.8	112.1	111.8	111.0	110.8

U.S. Treasury bonds, taxable <sup>9</sup> ..... do....	86.94	86.31	85.77	85.50	85.03	84.64	84.42	84.60	84.10	83.84	84.38	84.70	84.70	84.59	84.31	84.37
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Sales:																
Total, excl. U.S. Government bonds (SEC):																
All registered exchanges:																

Market value..... mil. \$.....	144.14	145.04	120.86	131.47	162.77	322.41	286.79	230.97	253.06	288.43	257.85	242.25	247.56	197.81	221.98	-----
Face value..... do....	148.83	137.82	113.87	121.30	158.36	240.58	253.71	213.65	240.93	228.37	236.45	229.17	227.28	186.44	211.69	-----

New York Stock Exchange:																
Market value..... do....	138.80	138.94	113.14	122.60	158.16	317.40	280.62	226.21	244.06	282.05	252.29	235.66	238.63	190.38	212.29	-----
Face value..... do....	143.27	132.17	107.96	114.33	153.92	235.87	248.73	209.23	232.30	222.06	231.22	221.26	218.63	178.75	201.31	-----

New York Stock Exchange, exclusive of some stopped sales, face value, total..... mil. \$.....	121.21	123.61	94.41	107.04	173.13	234.32	284.85	226.12	212.95	226.94	200.45	215.15	190.12	166.90	205.15	222.93
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Yields:																
Domestic corporate (Moody's)..... percent..	4.62	4.50	4.52	4.52	4.54	4.55	4.56	4.55	4.56	4.58	4.59	4.59	4.58	4.57	4.57	4.57
By ratings:																
Aaa..... do....	4.33	4.26	4.31	4.32	4.33	4.35	4.37	4.36	4.38	4.40	4.41	4.41	4.40	4.41	4.42	4.42
Aa..... do....	4.47	4.39	4.41	4.43	4.44	4.46	4.49	4.46	4.47	4.49	4.50	4.51	4.50	4.49	4.49	4.49
A..... do....	4.65	4.48	4.50	4.51	4.54	4.54	4.56	4.56	4.56	4.56	4.59	4.60	4.60	4.58	4.57	4.55
Baa..... do....	5.02	4.86	4.84	4.83	4.84	4.85	4.83	4.83	4.85	4.85	4.85	4.85	4.83	4.82	4.82	4.81
By groups:																
Industrial..... do....	4.47	4.42	4.46	4.47	4.47	4.48	4.50	4.48	4.49	4.53	4.54	4.54	4.52	4.52	4.52	4.53
Public utility..... do....	4.51	4.41	4.44	4.44	4.45	4.49	4.51	4.51	4.51	4.53	4.53	4.53	4.54	4.54	4.53	4.52
Railroad..... do....	4.86	4.65	4.65	4.66	4.68	4.68	4.68	4.67	4.67	4.69	4.70	4.68	4.65	4.65	4.66	4.66

Domestic municipal:																
Bond Buyer (20 bonds)..... do....	3.14	3.18	3.19	3.24	3.31	3.26	3.13	3.17	3.32	3.26	3.16	3.20	3.19	3.19	3.26	3.23
Standard & Poor's Corp. (15 bonds)..... do....	3.18	3.23	3.27	3.32	3.41	3.34	3.23	3.17	3.32	3.29	3.21	3.20	3.18	3.20	3.25	3.26

U.S. Treasury bonds, taxable <sup>9</sup>..... do....	3.95	4.00	4.04	4.07	4.10	4.14	4.15	4.14	4.18	4.20	4.16	4.13	4.13	4.14	4.16</td

Unless otherwise stated, statistics through 1962 and descriptive notes are shown in the 1963 edition of BUSINESS STATISTICS	1962	1963	1963				1964									
	Monthly average	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
<b>FINANCE—Continued</b>																
<b>SECURITY MARKETS—Continued</b>																
<b>Stocks—Continued</b>																
Dividend yields and earnings, common stocks (Moody's):																
Yield (200 stocks).....percent.....	3.37	3.17	3.10	3.03	3.21	3.15	3.10	3.07	3.04	3.03	3.00	2.95	2.92	2.98	2.90	2.93
Industrial (125 stocks).....do.....	3.39	3.20	3.12	3.03	3.23	3.15	3.12	3.07	3.02	3.01	2.98	2.95	2.91	2.96	2.87	2.89
Public utility (24 stocks).....do.....	3.25	3.12	3.14	3.22	3.29	3.25	3.21	3.20	3.28	3.25	3.25	3.21	3.06	3.12	3.09	3.03
Railroad (25 stocks).....do.....	5.30	4.46	4.41	4.57	4.46	4.37	4.33	4.21	4.21	4.20	3.92	3.78	3.74	3.99	3.98	3.87
Bank (15 stocks).....do.....	3.31	3.15	3.12	3.08	3.25	3.17	3.13	3.14	3.02	2.99	2.94	2.98	2.95	2.90	2.76	2.89
Fire insurance (10 stocks).....do.....	2.48	2.51	2.57	2.52	2.61	2.57	2.52	2.48	2.49	2.46	2.45	2.45	2.39	2.49	2.52	2.55
Earnings per share (Indust., qtrly. at ann. rate; publ. util. and RR., for 12 mo. ending each qtr.):																
Industrial (125 stocks).....dollars.....	11.10	12.43	11.05		14.45				13.85			15.15			12.60	
Public utility (24 stocks).....do.....	14.73	14.99	4.91		4.99				5.02			5.13			5.15	
Railroad (25 stocks).....do.....	5.73	6.29	6.37		6.29				6.81			6.97			7.30	
Dividend yields, preferred stocks, 14 high-grade (Standard & Poor's Corp.).....percent.....	4.50	4.30	4.30	4.26	4.28	4.32	4.31	4.31	4.34	4.37	4.41	4.41	4.37	4.29	4.25	4.25
Prices:																
Dow-Jones averages (65 stocks).....	221.07	253.67	262.53	262.16	261.09	266.33	272.31	276.74	282.93	286.09	289.33	290.08	302.02	298.13	305.85	311.73
Industrial (30 stocks).....	639.76	714.81	738.52	747.52	743.24	759.94	776.62	793.03	812.18	820.94	823.12	817.63	844.24	835.30	863.55	875.26
Public utility (15 stocks).....	121.75	138.36	142.74	138.68	137.59	137.77	140.19	140.09	139.25	139.02	140.86	141.56	147.37	149.24	151.85	153.93
Standard & Poor's Corporation: <sup>1</sup>																
Industrial, public utility, and railroad:																
Combined index (500 stocks).....1941-43=10.....	62.38	69.87	72.85	73.03	72.62	74.17	76.45	77.39	78.80	79.94	80.72	80.24	83.22	82.00	83.41	84.85
Industrial, total (425 stocks).....do.....	65.54	73.39	76.63	77.09	76.69	78.38	80.85	81.96	83.64	84.92	85.79	85.13	88.19	86.70	88.27	89.75
Capital goods (122 stocks).....do.....	58.15	63.30	64.96	65.57	66.45	68.54	71.89	72.92	75.48	76.52	76.50	75.85	77.76	75.91	77.97	79.13
Consumers' goods (188 stocks).....do.....	54.96	62.28	66.45	67.09	66.44	66.38	67.36	68.11	70.15	70.93	72.67	72.42	75.47	75.40	77.74	79.08
Public utility (50 stocks).....do.....	59.16	64.99	67.09	65.55	64.81	65.64	67.26	67.20	66.78	67.30	67.29	67.46	70.35	71.17	72.07	73.37
Railroad (25 stocks).....do.....	30.56	37.58	39.00	38.31	38.60	39.92	41.00	41.54	42.88	43.27	44.86	46.29	48.93	47.17	47.14	48.69
Banks:																
New York City (10 stocks).....do.....	33.75	36.75	38.33	37.04	36.67	36.29	37.60	37.06	38.49	39.20	39.88	38.91	39.78	39.71	41.60	41.75
Outside New York City (16 stocks).....do.....	66.19	74.81	77.31	76.05	75.24	75.37	77.39	75.90	76.90	77.17	77.66	76.69	76.98	76.58	77.48	80.50
Fire and casualty insurance (22 stocks).....do.....	57.43	63.38	64.96	63.79	63.00	63.73	65.46	66.19	67.06	67.62	66.96	68.31	68.27	68.46	67.99	
Sales (Securities and Exchange Commission):																
Total on all registered exchanges:																
Market value.....mil. \$.....	4,561	5,359	6,093	7,049	6,003	6,156	7,649	5,317	6,401	6,982	6,072	5,683	6,181	4,828	5,823	
Shares sold.....millions.....	139	153	170	184	149	169	200	140	185	210	168	155	170	139	163	
On New York Stock Exchange:																
Market value.....mil. \$.....	3,945	4,574	5,161	5,943	5,082	5,154	6,149	4,280	5,325	5,933	5,196	4,745	5,266	4,106	4,914	
Shares sold (cleared or settled).....millions.....	99	113	123	136	111	123	145	102	137	156	125	114	125	100	120	
Exclusive of odd-lot and stopped stock sales (N.Y. S.E.; sales effected).....millions.....	80	96	107	122	94	99	117	88	114	124	99	96	103	82	110	107
Shares listed, N.Y. Stock Exchange, end of mo.:																
Market value, all listed shares.....bil. \$.....	339.29	336.63	396.24	407.24	401.60	411.32	422.51	428.42	436.79	441.72	447.62	455.01	464.54	458.12	472.02	476.39
Number of shares listed.....millions.....	7,464	7,906	8,010	8,029	8,042	8,108	8,183	8,214	8,301	8,378	8,480	8,841	8,941	8,981	9,010	9,095

**FOREIGN TRADE OF THE UNITED STATES**

FOREIGN TRADE															
Value <sup>1</sup>															
Exports (mdse.), incl. reexports, total <sup>2</sup> .....mil. \$.....															
Excl. Dept. of Defense shipments.....do.....	1,806.0	1,934.0	1,823.5	2,079.8	2,104.5	2,155.4	2,117.5	2,091.5	2,179.3	2,206.7	2,256.6	2,099.1	2,114.1	1,969.8	2,138.9
Seasonally adjusted.....do.....	1,745.4	1,857.3	1,765.5	2,023.0	2,028.5	2,092.3	2,025.0	1,994.5	2,127.2	2,120.4	2,204.3	2,031.1	2,039.3	1,896.7	2,084.5
By geographic regions: <sup>3</sup>															
Africa.....do.....	81.8	82.4	79.1	79.3	92.6	95.6	86.2	95.6	93.2	99.1	115.2	103.9	98.7	93.5	93.4
Asia.....do.....	343.7	398.1	381.2	442.4	438.0	489.7	449.4	420.1	406.8	410.4	450.6	372.3	439.1	376.4	422.9
Australia and Oceania.....do.....	39.8	43.6	40.7	44.8	55.8	52.7	48.6	47.4	54.0	48.7	59.0	58.8	60.9	68.6	76.8
Europe.....do.....	543.5	580.0	544.8	658.8	671.6	678.9	695.1	702.0	738.2	692.3	695.5	622.3	626.5	554.3	639.1
Northern North America.....do.....	319.4	343.2	349.1	405.9	350.2	355.4	339.6	341.6	407.2	426.2	425.5	417.3	365.8	380.3	389.2
Southern North America.....do.....	130.7	142.2	142.9	154.5	152.6	147.1	149.4	149.7	161.2	167.0	164.6	179.4	168.3	155.3	174.5
South America.....do.....	167.7	152.6	131.1	149.9	171.9	170.5	156.2	147.3	161.3	161.7	186.6	179.5	166.9	175.6	187.8
By leading countries:															
Africa:															
United Arab Republic (Egypt Reg.).....do.....	19.6	17.5	16.0	16.2	13.6	17.7	13.4	22.8	21.1	23.5	29.6	24.2	14.8	20.8	18.1
Republic of South Africa.....do.....	18.6	23.0	24.8	24.5	26.4	29.8	26.1	29.7	30.5	28.2	37.3	33.7	32.8	32.6	29.9
Asia; Australia and Oceania:															
Australia, including New Guinea.....do.....	34.2	36.5	32.2	37.7	50.0	45.4	37.6	40.8	47.6	40.6	49.7	49.7	50.8	57.8	66.8
India.....do.....	55.8	67.0	60.6	72.8	76.5	98.7	80.2	70.2	67.5	76.1	97.8	55.1	87.6	53.1	88.6
Pakistan.....do.....	23.7	32.3	36.9	47.8	25.6	45.5	25.5	21.3	15.7	20.0	30.6	38.4	40.4	34.3	32.2
Malaysia <sup>4</sup> .....do.....															
Indonesia.....do.....	9.9	8.8	10.9	7.8	12.8	7.9	12.8	6.7	4.0	2.2	3.2	3.3	5.7	4.3	4.6
Philippines.....do.....	22.4	26.9	24.1	35.5	29.9	30.2	29.9	31.3	32.6	30.4	28.6	28.2	32.6		
Japan.....do.....	117.9	141.5	139.4	152.7	173.9	168.8	184.6	166.0	174.6	153.4	145.4	128.3	146.8	134.8	139.9
Europe:															
France.....do.....	48.9	56.5	51.1	63.5	64.7	84.2	66.0	71.4	65.9	71.3	61.5	59.0	51.3	55.2	
East Germany.....do.....	.1	.5	(?)	.1	1.9	2.3	3.2	3.5	1.8	.5	4.6	1.1	3	.8	
West Germany.....do.....	90.0	92.0	88.4	98.2	103.9	97.6	97.8	112.3	116.6	111.7	96.3	97.2	93.6		

Unless otherwise stated, statistics through 1962 and descriptive notes are shown in the 1963 edition of BUSINESS STATISTICS

	1962	1963	1963				1964									
	Monthly average		Sept.	Oct.	Nov.	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.

### FOREIGN TRADE OF THE UNITED STATES—Continued

FOREIGN TRADE—Continued																		
Value—Continued†																		
Exports (mdse.), incl. reexports—Continued																		
By leading countries—Continued																		
North and South America:																		
Canada	319.4	343.2	349.1	405.9	359.1	355.4	339.6	341.6	407.1	426.2	425.5	417.3	365.8	380.3	389.2			
Latin American Republics, total ♀	270.3	262.8	241.1	267.9	286.2	278.5	269.8	261.7	285.3	292.8	314.4	325.1	300.3	297.1	324.4			
Argentina	31.6	15.7	10.3	15.2	17.2	18.8	15.1	19.5	17.3	16.7	19.2	18.8	23.2	24.3	26.4			
Brazil	35.4	31.4	20.5	21.7	30.9	29.3	32.4	23.1	26.5	31.3	31.6	32.5	26.6	35.5	41.0			
Chile	14.2	13.5	12.6	13.0	15.1	14.4	13.1	12.2	13.0	12.6	16.7	14.2	13.1	13.4	18.2			
Colombia	18.9	20.0	18.4	22.6	21.7	24.6	20.4	19.8	20.6	17.1	24.5	21.1	19.2	19.2	18.1			
Cuba	1.1	3.0	(1)	(1)	0	(1)	(1)	(1)	(1)	(1)	0	0	0	0	0	0		
Mexico	67.1	68.9	70.7	78.1	75.3	69.4	72.5	76.6	78.2	91.0	81.8	103.3	88.4	81.6	95.4			
Venezuela	39.2	42.3	41.2	46.5	48.3	49.7	43.6	40.5	47.1	57.4	55.8	50.5	46.6	47.6				
Exports of U.S. merchandise, total	1,783.6	1,910.1	1,801.8	2,055.6	2,079.1	2,131.6	2,090.6	2,063.0	2,151.3	2,170.3	2,225.4	2,067.4	2,088.1	1,941.6	2,111.9			
By economic classes:																		
Crude materials	186.2	214.7	222.9	272.7	281.6	284.9	247.4	237.9	215.5	207.6	219.1	217.9	252.8	190.3	218.2			
Crude foodstuffs	167.5	189.4	166.7	221.4	227.6	232.6	227.4	209.7	228.3	232.5	233.1	182.1	177.6	172.0	203.1			
Manufactured foodstuffs and beverages	113.8	124.8	122.2	132.6	135.1	131.9	127.7	137.3	135.8	134.9	144.8	125.9	116.3	136.5	145.2			
Semimanufactures	253.4	273.6	270.0	296.5	285.0	297.1	300.7	289.5	326.4	323.4	333.3	330.9	333.1	324.6	350.4			
Finished manufactures	1,062.7	1,107.6	1,020.1	1,132.3	1,149.9	1,185.1	1,187.4	1,188.5	1,245.3	1,271.8	1,295.2	1,210.6	1,208.3	1,118.2	1,195.1			
By principal commodities:																		
Agricultural products, total ♀	419.5	465.4	433.7	552.6	574.5	588.1	542.2	525.3	530.8	521.1	528.9	450.1	479.3	419.5	493.8			
Animal and vegetable oils and fats*	26.1	26.6	32.1	28.9	20.7	25.4	26.6	27.8	33.1	33.3	36.1	32.9	40.0	41.3	36.7			
Cotton, unmanufactured	44.8	48.9	41.9	50.9	67.8	86.1	79.0	74.9	64.4	51.7	49.5	50.7	91.5	16.6	24.5			
Fruits, vegetables, and preparations	35.8	37.2	37.0	50.0	40.0	37.4	32.2	33.7	33.3	28.8	34.5	37.8	*32.3	35.8	42.7			
Grains and preparations†	171.4	191.7	162.3	211.2	220.9	247.7	234.1	226.3	238.2	244.0	238.4	180.3	171.1	*174.4	204.2			
Meat and meat preparations	11.8	12.3	13.0	16.4	17.3	13.8	16.8	16.0	14.5	12.6	16.7	14.9	13.0	12.5	13.3			
Tobacco and manufactures△	40.9	43.6	64.2	73.0	60.1	55.4	38.0	37.0	30.0	30.5	33.5	41.2	37.0	34.6	73.0			
Nonagricultural products, total ♀	1,364.1	1,444.7	1,368.1	1,503.1	1,504.6	1,543.5	1,548.3	1,537.6	1,620.5	1,649.1	1,696.6	1,608.3	1,522.1	1,618.0				
Automobiles, parts, and accessories	115.2	125.5	115.3	146.1	165.3	159.7	148.2	151.6	149.0	148.4	156.5	144.6	120.8	140.7				
Chemicals and related products\$	149.3	216.1	162.1	175.0	169.9	165.4	171.1	172.3	191.9	182.6	187.4	183.5	199.4	197.9	212.3			
Coal and related fuels	32.0	40.2	53.3	50.5	46.0	37.8	33.9	31.6	30.5	34.3	44.9	45.6	39.8	50.6	41.6			
Iron and steel prod. (excl. adv. mfs.)	50.9	57.4	56.5	64.0	66.8	63.1	61.8	67.2	81.7	83.4	82.5	81.7		81.7	73.5			
Machinery, total ♀	435.1	453.4	411.1	462.7	477.1	491.7	486.8	510.4	542.7	521.5	575.2	513.7	517.2	458.3	507.8			
Agricultural	13.2	15.2	10.6	11.7	11.4	12.7	15.8	20.1	23.9	22.6	19.7	20.8	19.1	14.1				
Tractors, parts, and accessories	30.3	35.2	31.2	41.1	36.9	39.6	39.2	36.5	45.5	49.8	53.7	50.2	48.4	41.2	46.2			
Electrical	105.9	113.4	108.9	114.0	124.2	122.5	125.6	132.7	123.0	122.6	133.2	119.9	116.9	109.8	122.5			
Metalworking\$	44.5	37.0	34.6	38.1	37.5	42.2	39.1	42.1	39.8	46.4	39.7	45.9	37.1	38.3				
Other Industrial	208.1	216.5	192.4	218.0	228.4	236.8	226.2	238.4	264.2	274.8	240.3	241.1	218.3	242.8				
Petroleum and products	36.8	41.0	41.0	41.1	39.4	41.9	37.7	35.1	38.4	41.8	35.8	39.4	43.3	40.8	36.1			
Textiles and manufactures	57.3	57.8	55.2	65.0	63.2	62.8	59.6	61.5	70.7	68.2	71.0	68.2	59.7	60.0	55.7			
General imports, total ○	1,365.8	1,428.5	1,398.5	1,591.3	1,425.1	1,529.9	1,446.7	1,337.7	1,592.3	1,457.3	1,595.5	1,612.4	1,491.9	1,562.0				
Seasonally adjusted○																1,592.2	1,557.5	
By geographic regions: ○																		
Africa	62.8	64.8	58.4	74.0	59.5	71.0	67.6	71.4	89.8	86.9	83.7	67.5	65.8	66.1				
Asia	246.7	266.1	267.6	297.8	265.2	252.1	283.0	263.7	282.9	276.5	278.3	317.2	334.7	339.1				
Australia and Oceania	36.6	41.8	52.9	48.1	31.6	43.2	35.7	30.5	38.3	33.4	36.1	45.6	32.5	43.7				
Europe	385.0	400.8	378.7	466.1	445.1	427.6	400.9	394.6	456.1	449.3	411.5	446.7	461.5	377.6				
Northern North America	305.2	319.4	301.4	354.2	312.0	351.1	307.4	301.9	337.4	341.4	337.4	381.6	373.0	363.9				
Southern North America	123.1	127.4	102.4	115.7	114.2	140.9	150.4	142.2	152.0	162.2	143.4	137.0	140.0	115.8				
South America	204.2	207.7	236.6	235.1	197.5	243.0	199.8	192.7	234.9	211.3	166.6	198.8	202.7	185.4				
By leading countries: ○																		
Africa:																		
United Arab Republic (Egypt Reg.)	2.1	1.7	1.1	5.0	.5	1.1	1.0	1.0	3.8	2.0	2.5	1.0	1.9	16.2	16.9			
Republic of South Africa	21.4	21.6	17.8	18.9	17.4	25.8	24.1	20.3	21.1	19.9	19.3							
Asia; Australia and Oceania:																		
Australia, including New Guinea	24.4	26.6	34.2	36.8	20.7	29.0	27.7	19.2	24.8	18.5	16.1	32.2	17.8	*26.8				
India	21.3	24.5	21.7	25.8	22.9	21.0	22.3	18.0	24.0	28.1	25.7	19.8	30.7					
Pakistan	3.5	3.8	3.2	4.0	3.7	3.7	4.3	2.6	3.2	3.9	3.5	3.7	3.0					
Malaysia△																		
Indonesia	11.2	9.4	8.4	9.8	9.7	8.0	13.4	10.0	15.0	11.7	15.2	15.8	12.2	21.0				
Philippines	26.9	29.7	32.5	36.9	18.0	29.9	32.2	15.1	34.9	19.8	34.6	31.3	44.1	36.6				
Japan	113.2	124.8	124.9	139.8	134.7	118.0	130.6	100.6	133.3	143.5	121.7	155.1	167.2	155.8				
Europe:																		
France	35.7	35.8	31.5	45.5	42.0	37.1	35.9	35.0	39.5	43.9	41.5	42.8	45.5	38.4				
East Germany	3	3	.3	.2	.1	.3	.8	.7	.5	.4	.6	.4	.4	.9				
West Germany	80.1	83.6	81.1	94.9	92.2	92.0	78.7	106.1	97.9	87.8	99.7	102.7	74.8					
Italy	37.7	41.1																

Unless otherwise stated, statistics through 1962 and descriptive notes are shown in the 1963 edition of BUSINESS STATISTICS	1962	1963	1963				1964										
	Monthly average		Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
<b>FOREIGN TRADE OF THE UNITED STATES—Continued</b>																	
<b>FOREIGN TRADE—Continued</b>																	
<b>Value—Continued†</b>																	
Imports for consumption, total	... mil. \$.	1,354.3	1,417.8	1,375.1	1,578.3	1,427.8	1,511.6	1,464.9	1,322.3	1,567.3	1,555.3	1,433.8	1,576.8	1,615.2	1,490.8	1,567.9	
By economic classes:																	
Crude materials	... do	278.2	261.7	260.2	273.3	238.0	284.5	274.3	246.8	274.1	267.8	270.4	291.5	325.0	302.1	300.1	
Crude foodstuffs	... do	148.0	143.8	140.2	168.7	153.3	158.7	160.8	161.5	202.4	199.2	147.4	140.4	145.0	136.9	155.8	
Manufactured foodstuffs and beverages	... do	149.3	166.5	183.1	198.2	163.0	197.4	133.5	105.5	150.7	142.6	149.2	163.0	148.8	143.5	164.2	
Semimanufactures	... do	282.4	312.7	285.7	326.4	300.4	315.0	343.0	314.1	339.0	343.1	311.1	340.1	333.9	322.7	314.3	
Finished manufactures	... do	496.3	533.2	505.8	611.8	573.0	556.0	553.4	494.5	601.1	602.7	555.7	641.8	662.4	585.5	633.5	
By principal commodities:																	
Agricultural products, total	... do	322.3	334.8	345.4	377.5	319.8	369.4	332.7	295.4	383.1	362.7	329.9	316.1	318.6	316.7	341.0	
Cocoa (cacao) beans, incl. shells	... do	11.0	11.3	9.7	9.4	7.2	11.1	14.4	12.5	15.2	8.2	8.1	10.3	8.5	12.8	9.2	
Coffee	... do	82.4	79.7	89.3	100.9	88.8	90.1	87.4	94.0	125.7	131.8	84.5	73.2	84.7	77.7	90.8	
Rubber, crude (incl. latex and guayule)	... do	19.0	16.4	13.5	15.0	13.6	14.0	19.4	13.2	19.4	13.3	20.2	13.9	17.1	18.1	16.4	
Sugar (cane or beet)	... do	42.0	50.9	59.7	53.4	31.8	68.8	26.3	16.5	37.2	32.1	47.8	38.9	49.7	33.9	50.0	
Wool and mohair, unmanufactured	... do	17.4	18.8	12.7	16.7	11.9	22.9	19.7	20.6	17.4	18.3	17.6	14.1	16.0	14.1	17.1	
Nonagricultural products, total	... do	1,031.9	1,083.1	1,029.6	1,200.8	1,108.0	1,142.2	1,132.2	1,026.8	1,184.2	1,192.7	1,103.9	1,260.7	1,296.5	1,174.1	1,226.9	
Furs and manufactures	... do	9.7	10.9	10.1	7.9	6.1	26.3	16.1	13.6	15.8	12.0	9.1	8.1	6.2	4.7	6.1	
Iron and steel prod. (excl. adv. mfs.)	... do	47.3	59.4	50.1	70.4	65.3	54.0	60.7	54.1	59.7	62.5	68.6	77.5	74.8	69.1		
Nonferrous ores, metals, etc.:																	
Bauxite, crude*	... do	10.1	9.5	9.8	8.8	8.2	9.4	9.6	11.2	9.5	12.2	8.8	10.0	12.9	12.3	9.1	
Aluminum semimfs. (incl. calcined bauxite)*	... mil. \$.	14.7	16.9	17.8	17.0	17.9	17.7	17.1	14.8	17.6	17.6	17.8	18.9	20.5	13.7	21.8	
Copper, crude and semimfs.*	... do	20.8	121.6	126.1	26.1	23.3	25.1	26.1	29.5	29.8	26.1	23.7	26.6	25.4	20.7	27.5	
Tin, including ore	... do	9.7	9.1	6.4	9.2	8.7	8.2	9.8	7.3	10.7	7.8	7.6	7.9	10.2	14.1	8.3	
Paper base stocks	... do	30.0	30.1	28.7	34.6	31.1	32.0	31.7	31.1	35.4	31.9	30.4	34.9	32.3	35.2	35.3	
Newsprint	... do	58.0	57.3	57.9	66.5	58.1	68.0	56.8	52.4	58.7	61.2	59.6	65.2	64.8	61.8	64.2	
Petroleum and products	... do	147.1	149.1	132.3	149.0	135.9	164.9	193.3	154.3	159.5	156.7	137.1	144.8	165.4	152.3	147.0	
<b>Indexes</b>																	
Exports of U.S. merchandise:																	
Quantity	1957-59=100	112	p 120	114	130	131	135	p 131	p 130	p 134	p 137	p 140	p 130	p 131	p 121		
Value	... do	115	p 123	116	132	134	137	p 135	p 133	p 140	p 143	p 133	p 135	p 125			
Unit value	... do	102	p 102	101	102	101	101	p 103	p 103	p 102	p 102	p 102	p 103				
Imports for consumption:																	
Quantity	... do	123	p 127	123	141	127	132	p 128	p 116	p 136	p 134	p 125	p 137	p 141	p 131		
Value	... do	117	p 122	118	136	122	130	p 126	p 114	p 135	p 134	p 123	p 136	p 139	p 128		
Unit value	... do	95	p 96	96	96	96	98	p 98	p 99	p 100	p 98	p 99	p 99	p 98			
<b>Shipping Weight and Value</b>																	
Waterborne trade:																	
Exports (incl. reexports):\$																	
Shipping weight	thous. sh. tons.	11,215	13,084	14,368	15,070	14,796	13,887	13,167	12,034	12,673	13,415	15,134					
Value	... mil. \$.	1,165.6	1,257.2	1,164.3	1,375.6	1,408.6	1,450.0	1,348.6	1,384.3	1,362.0	1,489.1						
General imports:																	
Shipping weight	thous. sh. tons.	17,552	17,707	18,394	19,076	17,066	17,639	17,697	16,415	16,787	18,025	17,974					
Value	... mil. \$.	983.7	1,031.9	1,049.0	1,163.9	1,032.0	1,077.9	1,036.8	929.9	1,119.9	1,120.5	1,056.5					
Airborne trade:																	
Exports (incl. reexports):\$																	
Shipping weight	thous. sh. tons.	9.1	10.4	10.2	11.5	10.9	11.3	11.9	11.9	12.9	12.9	12.9	12.9	13.4			
Value	... mil. \$.	124.3	136.5	126.3	140.4	131.5	141.9	150.3	157.2	150.9	153.5	149.6	144.8	148.8			
General imports:																	
Shipping weight	thous. sh. tons.	4.1	4.7	4.3	5.4	5.3	5.3	4.3	4.0	4.7	4.6	3.9	5.0				
Value	... mil. \$.	59.7	67.9	67.9	81.3	82.8	89.0	70.4	70.7	79.4	76.0	66.8	76.9				

**TRANSPORTATION AND COMMUNICATIONS**

<b>TRANSPORTATION</b>																
<b>Air Carriers</b>																
Scheduled domestic trunk carriers:																
Financial operations (qtrly, avg. or total):																
Operating revenues, total	... mil. \$.	570.7	621.9	653.3				634.4				646.8			710.9	
Transport, total	... do	566.0	617.1	648.7				628.3				640.8			704.6	
Passenger	... do	509.8	557.0	587.3				561.9				579.4			637.7	
Property	... do	37.1	40.3	41.0				44.0				42.0			45.2	
U.S. mail	... do	14.4	15.0	14.2				16.7				15.5			15.7	
Operating expenses (incl. depreciation)	... do	551.4	585.5	592.8				596.0				613.7			622.2	
Net income (after taxes)	... do	1.9	8.4	27.6				1.1				11.0			39.1	
Operating results:																
Miles flown (revenue)	thous.	59,409	63,828	64,335	66,676	62,455	65,758	66,274	62,863	67,481	65,407	68,022	68,852	71,235	72,362	
Express and freight ton-miles flown	do	45,206	49,195	52,766	57,797	51,397	55,581	50,710	45,212	45,522	45,472	45,014	58,871	60,391	63,842	
Mall ton-miles flown	do	13,575	14,167	13,043	15,033	13,376	19,401	14,547	14,051	15,488	15,091	14,823	14,345	14,337	14,178	
Passengers originated (revenue)	do	3,990	4,548	4,639	4,917	4,446	4,732	4,801	4,458	4,508	4,503	4,503	5,542	5,324	5,647	
Passenger-miles flown (revenue)	mil. tons	2,667	3,048	3,119	3,165	2,861	3,221	3,245	2,949	3,316	3,287	3,322	3,910	3,796	4,023	
<b>Express Operations</b>																
Transportation revenues	... mil. \$.	29.5	29.5	96.3				105.4				96.8			99.9	
Express privilege payments	... do	29.2	28.6	29.9				31.3				27.				

Unless otherwise stated, statistics through 1962 and descriptive notes are shown in the 1963 edition of BUSINESS STATISTICS	1962	1963	1963				1964										
	Monthly average		Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
<b>TRANSPORTATION AND COMMUNICATIONS—Continued</b>																	
<b>TRANSPORTATION—Continued</b>																	
<b>Motor Carriers (Intercity)—Continued</b>																	
Freight carried, qtrly. index of volume, class I and II (ATA).....average same period, 1957-59=100.																	
Carriers of passengers, class I (qtrly. avg. or total):	1,120.3	1,126.3	124.0				124.1				128.6			135.4			
Number of reporting carriers.....	2,138	2,138	138				138				160						
Operating revenues, total.....mill. \$	131.4	136.4	165.7				130.7				133.5						
Expenses, total.....do	112.0	116.4	128.8				114.0				129.4						
Passengers carried (revenue).....mill.	57.2	56.6	62.9				55.3				115.5						
<b>Class I Railroads</b>																	
Freight carloadings (AAR):																	
Total cars.....thous.	2,394	2,406	2,309	2,3142	2,859	1,972	2,045	2,645	2,105	2,202	2,913	2,403	2,114	2,926	2,396	2,195	
Coal.....do	439	461	464	471	591	417	415	512	393	407	542	476	293	578	461	589	
Coke.....do	30	32	28	33	35	29	31	41	34	35	45	38	35	48	41	57	
Forest products.....do	158	156	147	195	183	130	136	196	154	151	190	154	147	198	151	196	
Grain and grain products.....do	231	234	201	327	303	197	227	267	186	177	208	205	197	243	201	310	
Livestock.....do	17	14	15	32	25	10	10	10	10	10	12	7	8	13	16	30	
Ore.....do	144	147	205	222	157	55	50	75	66	114	271	224	223	268	211	264	
Merchandise, l.c.l.....do	97	72	64	81	73	53	51	70	54	53	65	50	48	63	48	58	
Miscellaneous.....do	1,277	1,289	1,185	1,662	1,523	1,081	1,125	1,473	1,207	1,254	1,581	1,248	1,163	1,514	1,267	1,691	
Freight carloadings, seas. adj. indexes (Fed. R.):†																	
Total.....1957-59=100	492	493	91	93	92	94	97	97	94	95	96	94	95	93	96	95	
Coal.....do	90	95	97	94	94	90	91	89	90	93	100	100	100	98	96	95	
Coke.....do	81	88	84	75	78	84	89	90	92	100	111	118	128	125	129	129	
Forest products.....do	97	96	95	98	96	97	99	106	103	99	102	98	102	97	99	99	
Grain and grain products.....do	101	102	101	112	105	109	111	104	93	92	89	91	75	88	104	109	
Livestock.....do	67	52	43	48	56	50	50	51	50	42	42	46	50	56	48	48	
Ore.....do	83	84	87	81	91	89	93	88	88	104	85	87	84	90	96	96	
Merchandise, l.c.l.....do	49	36	34	33	31	33	31	31	28	28	29	27	28	26	26	23	
Miscellaneous.....do	94	95	92	93	92	96	101	100	98	97	99	96	98	96	99	95	
Financial operations (qtrly. avg. or total):																	
Operating revenues, total 9.....mill. \$	2,360.1	2,389.9	2,398.0				2,446.6				2,362.4			2,481.4			
Freight.....do	1,997.8	2,036.5	2,035.0				2,084.2				2,033.8			2,133.8			
Passenger.....do	154.8	147.0	157.1				138.6				134.7			146.3			
Operating expenses.....do	1,854.3	1,862.9	1,874.1				1,893.5				1,852.3			1,910.5			
Tax accruals and rents.....do	324.1	325.6	326.8				304.4				327.6			338.0			
Net railway operating income.....do	181.6	201.4	197.1				248.7				182.5			233.0			
Net income (after taxes).....do	143.0	162.9	156.1				225.1				144.2			196.4			
Operating results:																	
Freight carried 1 mile (qtrly.).....bill. ton-miles	5151.6	5158.9	158.2				163.4				165.3			168.5			
Revenue per ton-mile (qtrly. avg.).....cents	51.349	51.310	51.312				51.300				51.284						
Passengers carried 1 mile, revenue (qtrly.).....mill.	54,976	54,624	5,225				4,315				4,110						
<b>Waterway Traffic</b>																	
Clearances, vessels in foreign trade:																	
Total U.S. ports.....thous. net tons	14,913	15,628	16,341	16,531	16,686	15,454	15,204	14,503	14,960	15,996	17,734						
Foreign vessels.....do	12,066	12,786	13,486	13,433	13,618	12,573	12,540	12,054	12,319	12,963	14,684						
United States vessels.....do	2,847	2,842	2,855	3,098	3,068	2,881	2,664	2,449	2,641	3,034	3,050						
<b>Panama Canal:</b>																	
Total.....thous. lg. tons	5,490	5,454	5,702	5,925	5,399	5,691	5,832	6,187	6,269	5,912	6,166	5,902	6,062	6,604	6,227		
In United States vessels.....do	585	780	1,000	968	722	708	613	906	965	866	1,022	1,100	877	927	867		
<b>Travel</b>																	
Hotels:																	
Average sale per occupied room.....dollars	9.35	9.37	9.56	10.24	9.82	8.90	9.09	9.26	8.87	9.86	9.18	9.83	9.10	9.89	9.85		
Rooms occupied.....% of total	61	60	63	68	58	47	57	60	59	67	62	64	56	62	65		
Restaurant sales index.....same mo. 1951=100	112	109	107	109	101	107	105	109	108	116	119	113	112	107	110		
Foreign travel:																	
U.S. citizens: Arrivals.....thous.	195	218	271	219	174	158	173	179	218	211	226	271					
Departures.....do	191	216	207	186	146	161	172	193	206	214	253	356					
Aliens: Arrivals.....do	125	130	173	144	118	112	112	102	123	148	161	172					
Departures.....do	103	110	134	123	103	116	87	88	101	104	151	154					
Passports issued and renewed.....do	76	88	65	56	40	47	71	81	121	147	135	147	112	86	74	56	
National parks, visits.....do	2,737	2,779	3,278	2,331	1,104	661	686	790	1,000	1,276	2,267	5,097	8,067	7,890			
Pullman Co. (qtrly. avg. or total):																	
Passenger-miles (revenue).....mill.	726	629	598			600				608			556				
Passenger revenues.....thous. \$	12,076	10,477	10,065			9,288				10,457			9,500				
<b>COMMUNICATIONS</b>																	
Telephone carriers:																	
Operating revenues 9.....mill. \$	792.6	845.6	844.2	879.0	856.8	881.8	881.1	862.2	892.1	898.8	903.1	912.3	917.0	915.3			
Station revenues.....do	440.0	465.4	468.0	477.3	475.2	480.0	481.7	480.6	485.5	489.4	490.0	494.6	492.5	492.1			
Tolls, message.....do	270.4	289.7	283.2	309.1	286.3	308.7	305.3	286.0	311.2	313.0	315.7	318.9	324.3	324.3			
Operating expenses (before taxes).....do	468.2	495.7	489.8	523.4	500.5	539.8	520.1	507.1	530.9	532.3	525.0	531.3	569.1	529.8			
Net operating income.....do	139.6	152.3	158.2	156.1	155.4	150.1	154.9	163.4	156.0	165.9	167.4	169.2	150.2	167.3			
Phones in service, end of year or mo.....mill.	70.8	73.7	72.9	73.2	73.4	73.7	74.0	74.2	74.5	74.9	75.1	75.3	75.6	75.9			
Telegraph, cable, and radiotelegraph carriers:																	
Wire-telegraph:																	

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	1962	1963	1963				1964								
	Monthly average		Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.

## CHEMICALS AND ALLIED PRODUCTS

## CHEMICALS

Inorganic chemicals, production:

Acetylene	mil. cu. ft.	1,103	1,155	1,152	1,225	1,208	1,242	1,154	1,120	1,252	1,233	1,271	1,204	1,258	1,323	1,357
Ammonia, synthetic anhydrous (commercial)	thous. sh. tons	484.1	553.8	528.4	548.5	586.9	607.5	614.8	583.8	650.7	636.8	650.7	636.7	620.2	614.1	589.3
Carbon dioxide, liquid, gas, and solid	do	85.3	90.2	93.4	96.2	81.9	79.4	79.0	76.0	82.8	85.0	94.9	108.9	116.0	112.6	100.6
Chlorine, gas (100% Cl <sub>2</sub> )	do	428.6	454.0	454.4	470.9	469.0	482.0	466.8	456.0	488.6	480.6	501.1	482.0	483.4	500.4	494.6
Hydrochloric acid (100% HCl)	do	87.7	87.3	85.5	92.8	88.4	87.2	91.2	94.8	104.1	104.4	106.0	100.8	96.6	104.7	103.1
Nitric acid (100% HNO <sub>3</sub> )	do	280.8	349.7	336.4	372.7	405.9	414.6	402.0	402.6	420.5	375.1	349.5	306.5	341.0	355.7	371.6
Oxygen (high purity)	mil. cu. ft.	8,562	10,705	10,308	10,841	10,779	11,627	12,011	12,201	13,367	13,107	13,402	12,538	12,741	13,476	13,264
Phosphoric acid (100% P <sub>2</sub> O <sub>5</sub> )	thous. sh. tons	203.9	241.7	238.6	261.7	253.3	253.7	267.9	273.5	284.8	286.5	280.3	259.5	248.5	266.6	268.6
Sodium carbonate (soda ash), synthetic (58% Na <sub>2</sub> O)	thous. sh. tons	383.9	390.1	375.2	418.9	400.0	388.0	381.2	394.5	419.1	415.3	435.1	419.5	394.4	431.6	408.9
Sodium bichromate and chromate	do	10.6	10.9	8.9	10.9	11.5	11.3	9.3	10.5	11.4	11.7	12.3	11.2	11.4	11.6	10.9
Sodium hydroxide (100% NaOH)	do	453.6	474.7	472.4	497.8	487.9	497.3	490.2	484.2	514.3	507.3	534.4	507.3	508.9	537.0	517.3
Sodium silicate (soluble silicate glass), anhydrous	thous. sh. tons	46.1	46.0	45.3	51.0	52.6	42.5	41.4	40.9	53.1	53.7	52.3	44.5	36.4	40.5	49.8

Organic chemicals, production:<sup>a</sup>

Sodium sulfates (anhydrous, refined; Glauber's salt; crude salt cake)	thous. sh. tons	99.5	100.5	95.4	106.5	107.7	106.1	106.3	103.2	108.3	109.2	116.1	107.8	102.9	102.8	108.1
Sulfuric acid (100% H <sub>2</sub> SO <sub>4</sub> )	do	1,641.8	1,744.7	1,666.2	1,836.7	1,788.4	1,853.1	1,868.4	1,853.7	1,983.5	2,016.2	1,980.9	1,859.1	1,750.2	1,816.2	1,846.7

Acetic acid (synthetic and natural)	mil. lb.	82.2	87.4	72.6	95.4	89.5	90.9	92.3	94.0	93.4	82.9	88.5	87.5	96.2	81.9	89.4
Acetic anhydride	do	103.5	105.8	111.6	104.6	106.1	121.0	111.8	101.6	125.4	108.2	115.2	106.5	111.6	116.9	123.4
Acetylsalicylic acid (aspirin)	do	2.3	2.4	2.3	2.6	2.6	2.6	2.8	2.6	2.7	2.7	2.1	2.5	2.1	1.9	2.2
Creosote oil	mil. gal.	7.6	8.2	9.2	8.6	8.1	8.8	8.2	7.1	8.4	9.1	10.6	9.8	10.7	8.4	10.0

DDT	mil. lb.	13.9	14.9	14.3	14.2	11.4	9.4	11.4	12.8	13.3	11.3	13.0	12.1	11.0	8.7	
Ethyl acetate (85%)	do	8.5	9.2	8.7	10.0	7.3	9.4	8.8	10.8	9.4	7.4	8.0	11.9	5.5	10.5	7.3
Ethyleneglycol	do	119.5	121.0	121.4	132.2	123.1	123.4	121.8	109.1	138.8	129.3	116.9	155.3	154.1	147.4	156.3
Formaldehyde (37% HCHO)	do	199.8	212.7	216.4	234.3	226.4	220.4	207.0	203.0	219.5	237.7	225.2	229.5	207.8	236.5	235.1

Glycerin, refined, all grades:	do	20.8	24.8	26.8	30.2	22.6	30.0	29.1	26.3	28.5	28.5	28.7	28.0	22.9	26.5	26.2
Stocks, end of month	do	32.7	23.8	15.9	16.1	20.5	22.2	22.3	25.4	27.6	26.5	27.7	31.5	32.0	32.3	31.2

Methanol:	do	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
Natural	mil. gal.	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
Synthetic	do	28.0	29.3	28.7	31.4	28.5	30.8	29.6	29.9	30.3	33.9	34.4	31.1	32.8	32.2	31.9

Phthalic anhydride	mil. lb.	35.6	39.5	41.4	45.3	40.9	39.5	37.4	36.7	44.9	49.2	49.9	48.5	44.8	41.1	50.0
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## ALCOHOL

Ethyl alcohol and spirits:	mil. tax gal.	52.4	57.7	61.7	73.5	58.7	58.9	60.5	56.1	53.8	54.0	53.3	50.3	51.8	55.1
Production	do	151.4	171.5	181.7	180.3	169.8	177.3	179.5	183.0	188.9	189.3	184.9	183.4	187.0	190.0
Stocks, end of month	do	42.4	44.4	40.7	47.5	43.9	45.5	49.5	44.0	43.9	46.7	45.3	44.8	45.7	47.0
Used for denaturation	do	5.3	5.3	5.8	7.5	5.8	4.3	4.9	4.7	5.4	5.7	5.5	5.6	4.7	

Taxed withdrawals:	do	5.3	5.3	5.8	7.5	5.8	4.3	4.9	4.7	5.4	5.7	5.5	5.6	4.7
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Denatured alcohol:	mil. wine gal.	22.9	23.9	22.0	25.6	23.6	24.5	26.6	23.7	23.9	25.1	23.8	24.2	24.7	25.4
Production	do	23.0	24.0	22.0	25.6	24.5	23.8	26.4	23.1	24.7	24.8	23.5	24.4	25.3	24.8
Consumption (withdrawals)	do	3.9	3.0	2.8	2.8	2.0	3.3	3.2	3.7	2.9	3.1	3.4	3.6	2.9	3.4

Stocks, end of month	do	3.9	4.1	4.4	4.6	4.6	4.7	4.7	4.8	4.8	4.9	4.9	4.9	4.9	4.9
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FERTILIZERS	thous.sh. tons	602	625	696	670	701	693	622	668	704	584	684	827	779	948	936
Exports, total ♀	do	67	55	43	81	64	66	28	39	68	55	63	47	39	63	101
Nitrogenous materials	do	448	487	557	487	517	524	458	534	495	468	529	660	592	691	650
Phosphate materials	do	71	59	81	83	88	66	100	59	94	33	50	60	75	105	108

Imports, total semimanufactures\* ♀	do	166	205	207	244	188	200	255	253	292	376	173	180	124	224	161



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Unless otherwise stated, statistics through 1962 and descriptive notes are shown in the 1963 edition of BUSINESS STATISTICS

	1962	1963	1963				1964									
	Monthly average		Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>ELECTRIC POWER AND GAS</b>																
<b>ELECTRIC POWER</b>																
Production (utility and industrial), total <sup>①</sup> mil. kw.-hr.	78,624	83,991	82,892	84,845	82,437	90,302	90,642	84,613	87,987	84,534	87,226	90,585	95,724	94,949	89,465	
Electric utilities, total do	71,026	76,167	75,156	76,712	74,474	82,260	82,328	76,701	79,595	76,392	78,894	82,294	87,606	86,647	81,376	
By fuels do	57,003	62,379	63,144	64,491	61,769	67,653	67,834	62,906	63,652	60,092	63,031	68,341	73,343	72,763	68,319	
By waterpower do	14,024	13,788	12,012	12,222	12,705	14,607	14,495	13,795	15,942	16,301	15,863	13,953	14,263	13,884	13,057	
Privately and municipally owned util. Other producers (publicly owned) do	57,725	62,095	61,769	63,181	60,837	66,459	67,024	62,143	64,596	62,204	64,155	67,960	72,645	71,588	67,340	
Other producers (publicly owned) do	13,301	14,073	13,387	13,531	13,637	13,802	15,304	14,558	14,999	14,188	14,739	14,334	14,961	15,059	14,036	
Industrial establishments, total do	7,597	7,824	7,735	8,133	7,963	8,042	8,313	7,912	8,392	8,142	8,332	8,292	8,118	8,302	8,089	
By fuels do	7,313	7,555	7,533	7,917	7,722	7,770	8,019	7,621	8,075	7,807	8,045	8,045	7,892	8,084	7,872	
By waterpower do	284	270	202	215	241	272	294	291	317	335	305	246	226	218	217	
Sales to ultimate customers, total (EEI) Commercial and Industrial: Small light and power do	64,674	69,234	72,079	69,516	68,309	71,364	75,196	72,724	72,692	71,549	71,065	72,775	75,827	78,514		
Large light and power do	12,008	13,876	15,714	14,284	13,665	13,708	14,165	14,061	14,121	14,034	14,327	15,551	17,194	17,781		
Railways and railroads Residential or domestic Street and highway lighting Other public authorities Interdepartmental do	393	389	348	373	378	451	439	436	409	384	368	366	359	357		
Residential or domestic do	18,868	20,141	20,356	18,553	18,793	21,630	24,932	23,295	22,301	20,982	19,431	19,639	21,972	22,966		
Street and highway lighting do	612	646	631	691	735	773	780	711	693	641	613	589	599	638		
Other public authorities do	1,529	1,683	1,706	1,776	1,719	1,769	1,774	1,707	1,721	1,721	1,780	1,779	1,774	1,774		
Interdepartmental do	104	133	152	138	126	108	118	130	143	156	174	174	174	169		
Revenue from sales to ultimate customers (Edison Electric Institute) mil. \$	1,085.4	1,141.4	1,187.8	1,136.2	1,119.0	1,161.7	1,217.2	1,184.5	1,169.0	1,153.0	1,145.9	1,178.5	1,236.5	1,272.4		
<b>GAS</b>																
Manufactured and mixed gas (quarterly): <sup>②†</sup> Customers, end of quarter, total <sup>②</sup> thous. Residential do Industrial and commercial do	1,922	1,540	1,209				1,172			1,197				1,162		
Residential do	1,800	1,439	1,125				1,089			1,112				1,081		
Industrial and commercial do	122	99	83				82			84				80		
Sales to consumers, total <sup>②</sup> mil. therms. Residential do Industrial and commercial do	530	495	213				418			667				369		
Residential do	370	336	98				269			480				217		
Industrial and commercial do	157	155	114				146			184				150		
Revenue from sales to consumers, total <sup>②</sup> mil. \$	67.3	59.0	25.8				46.2			75.3				42.4		
Residential do	51.3	44.3	16.3				33.4			57.0				29.4		
Industrial and commercial do	15.7	14.4	9.5				12.7			17.9				12.8		
Natural gas (quarterly): <sup>②†</sup> Customers, end of quarter, total <sup>②</sup> thous. Residential do Industrial and commercial do	32,674	33,940	33,940				34,996			35,104				34,999		
Residential do	30,014	31,207	31,277				32,150			32,201				32,163		
Industrial and commercial do	2,624	2,695	2,626				2,807			2,866				2,797		
Sales to consumers, total <sup>②</sup> mil. therms. Residential do Industrial and commercial do	25,045	26,412	19,550				25,947			37,972				26,699		
Residential do	8,466	8,828	2,996				8,168			17,093				7,851		
Industrial and commercial do	15,321	16,279	15,304				16,457			19,082				17,378		
Revenue from sales to consumers, total <sup>②</sup> mil. \$	1,541.3	1,620.6	1,006.6				1,601.7			2,533.0				1,579.9		
Residential do	847.7	886.2	404.0				852.7			1,563.0				819.6		
Industrial and commercial do	651.0	689.0	563.0				702.6			907.2				712.3		

### FOOD AND KINDRED PRODUCTS; TOBACCO

<b>ALCOHOLIC BEVERAGES</b>																
Beer:																
Production mil. bbl.	8.07	8.39	7.42	7.93	6.85	7.31	7.63	7.50	8.95	9.63	9.28	10.31	11.54	9.88		
Taxable withdrawals do	7.60	7.82	7.37	7.95	6.73	7.05	6.74	6.42	7.80	8.49	8.73	9.48	10.92	9.40		
Stocks, end of month do	10.46	10.76	10.72	10.19	9.85	9.67	10.08	10.68	11.30	11.82	11.77	11.93	11.77	11.56		
Distilled spirits (total):																
Production mil. tax gal.	12.90	12.50	9.42	15.99	13.39	14.18	13.89	13.51	14.06	14.51	13.38	12.79	8.65	9.13		
Consumption, apparent, for beverage purposes mil. wine gal.	21.14	21.58	19.46	24.45	25.89	30.92	18.49	18.43	21.84	21.08	22.27	22.03	20.94	20.72		
Taxable withdrawals mil. tax gal.	10.27	10.34	11.11	14.57	11.36	8.56	9.34	9.53	10.51	11.46	10.91	10.98	9.51	10.62		
Stocks, end of month do	882.72	876.90	869.81	867.44	865.87	870.00	871.77	873.19	874.44	874.54	874.27	873.92	871.04	866.18		
Imports mil. proof gal.	3.60	3.82	3.94	5.71	5.37	4.87	3.03	3.07	3.62	3.84	3.71	4.16	3.27	3.58	4.69	
Whisky:																
Production mil. tax gal.	9.41	8.74	5.80	10.13	8.49	9.99	10.38	10.27	10.36	10.95	9.44	8.46	5.03	5.41		
Taxable withdrawals do	7.18	7.08	8.02	10.85	8.38	5.91	6.46	6.73	7.05	7.50	7.05	6.56	5.72	6.68		
Stocks, end of month do	859.13	852.54	846.88	843.02	840.03	842.40	844.01	854.14	846.10	846.91	846.76	846.81	844.27	839.97		
Imports mil. proof gal.	3.18	3.35	3.38	5.04	4.83	4.19	1.57	1.77	3.23	3.42	1.48	3.71	2.85	3.07	4.00	
Rectified spirits and wines, production, total mil. proof gal.	7.20	7.24	7.74	10.88	8.15	5.87	6.35	6.27	7.24	7.85	7.38	7.27	6.35	6.69		
Wines and distilled materials:																
Elderberries:																
Production mil. wine gal.	.37	.40	.34	.45	.37	.44	.43	.48	.63	.53	.38	.68	.27	.42		
Taxable withdrawals do	.32	.35	.39	.54	.57	.59	.34	.27	.34	.33	.36	.43	.28	.35		
Stocks, end of month do	2.79	3.00	3.21	3.07	2.86	2.65	2.71	2.88	3.14	3.31	3.30	3.49	3.46	3.49		
Imports do	.09	.09	.09	.18	.14	.15	.06	.06	.08	.08	.09	.09	.07	.07	.09	
Still wines:																
Production do	15.78	16.86	45.43	108.68	21.47	4.76	2.73	2.97	3.40	2.19	1.84	1.92	.85	3.12		
Taxable withdrawals do	12.52	13.11	12.52	15.56	14.07	13.71	13.57	13.76	15.06	13.80	12.86	13.25	10.42	12.27		
Stocks, end of month do	178.86	185.03	155.87	246.45	249.05	229.08	213.89	201.61	185.83	175.68	164.18	150.88	139.42	130.04		
Imports do	1.08	1.11	1.07	1.92	1.47	1.18	.79	1.57	1.10	.90	1.16	1.21	1.02	1.09	.91	
Distilling materials produced at wineries do	31.27	39.39	118.07	202.64	70.11	18.48	5.10	8.38	6.15	1.79	1.51	.86	1.40	9.84		

\* Revised. <sup>1</sup> Beginning Jan. 1963, data are not directly comparable with those for earlier periods. Latest revised data for Jan.-Jul. 1963 are as shown in the Oct. 1964 SURVEY; those for Aug. 1963 (mil. kw.-hr.): Small light and power, 16,271; large, 33,239.

○ Revisions for Jan.-Dec. 1962 appear on p. 24 of the Mar. 1964 SURVEY.

<sup>2</sup>The averages shown for gas are quarterly averages.

†Revised data for 1st and 2d qtrs. of 1962 appear in the Sept. 1963 SURVEY; those for 1st and 2d qtrs. of 1963 will be shown later.

○ Includes data not shown separately.

Unless otherwise stated, statistics through 1962 and descriptive notes are shown in the 1963 edition of BUSINESS STATISTICS	1962	1963	1963				1964									
	Monthly average	Sept.	Oct.	Nov.	Dec.		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.

## FOOD AND KINDRED PRODUCTS; TOBACCO—Continued

DAIRY PRODUCTS																	
Butter, creamery:																	
Production (factory)†	. . mil. lb.	128.1	118.3	85.5	91.8	91.9	111.6	128.8	123.5	139.4	142.7	153.5	142.9	110.7	95.8	86.4	
Stocks, cold storage, end of month	. . do.	363.4	328.4	328.7	284.5	241.3	207.0	187.1	191.2	191.0	195.7	203.5	234.9	243.7	221.2	180.9	142.1
Price, wholesale, 92-score (N.Y.)	. \$ per lb.	.594	.590	.603	.596	.593	.593	.587	.587	.586	.586	.587	.587	.591	.604	.623	
Cheese:																	
Production (factory), total‡	. . mil. lb.	132.1	135.9	124.9	122.5	115.7	124.5	125.9	124.0	145.8	151.8	176.4	175.3	151.0	140.8	128.9	
American, whole milk‡	. . do.	91.1	93.2	84.0	81.6	73.7	78.3	82.4	81.4	96.5	106.5	128.3	128.1	108.7	97.7	86.7	
Stocks, cold storage, end of month, total	. . do.	463.4	385.0	407.9	378.2	303.3	340.7	318.1	301.6	301.7	323.1	352.2	381.8	398.6	388.6	363.5	345.5
American, whole milk	. . do.	420.4	344.9	363.9	336.9	323.7	301.6	279.2	263.7	264.0	284.0	309.7	339.2	353.1	341.1	318.6	302.6
Imports	. . do.	6.5	6.9	5.1	7.5	9.7	8.4	6.6	4.6	8.5	6.4	7.0	5.4	3.6	4.6	6.9	
Price, wholesale, American, single daisies (Chicago)	. \$ per lb.	.400	.426	.428	.432	.432	.432	.430	.430	.422	.420	.420	.421	.428	.431	.446	.451
Condensed and evaporated milk:																	
Production, case goods‡	. . mil. lb.	6.1	6.6	6.9	3.9	4.0	7.0	6.0	5.6	6.7	10.7	10.0	7.2	8.3	8.8	6.8	
Condensed (sweetened)	. . do.	160.7	158.1	140.3	129.7	122.2	133.9	140.3	141.5	150.0	160.8	208.5	202.0	184.0	174.0	151.0	
Evaporated (unsweetened)	. . do.																
Stocks, manufacturers', case goods, end of mo.:																	
Condensed (sweetened)	. . mil. lb.	5.0	6.6	6.2	5.7	6.5	5.8	5.9	6.1	7.3	9.1	10.0	9.6	9.4	9.9	9.6	
Evaporated (unsweetened)	. . do.	178.4	162.9	231.8	199.8	150.8	131.7	96.8	82.6	69.7	82.6	147.6	208.2	249.7	286.3	231.1	
Exports:																	
Condensed (sweetened)	. . do.	4.0	5.0	5.9	7.9	3	7.0	3.3	3.0	3.4	5.2	8.6	5.4	5.4	6.8	3.9	
Evaporated (unsweetened)	. . do.	5.5	5.2	10.0	3.3	3.8	2.9	2.5	3.1	2.4	3.0	2.7	3.0	3.3	3.1	5.3	
Price, manufacturers' average selling:																	
Evaporated (unsweetened)	. \$ per case.	6.11	6.01	6.00	6.00	5.99	6.00	6.00	5.98	5.98	5.96	5.94	5.93	5.93	5.93	6.00	
Fluid milk:																	
Production on farms	. . mil. lb.	10,502	10,399	9,558	9,557	9,205	9,706	10,066	9,842	11,007	11,346	12,330	11,790	10,824	10,177	9,626	9,652
Utilization in mfd. dairy products§	. . do.	5,216	5,099	4,183	4,148	3,900	4,399	4,922	4,917	5,655	5,904	6,613	6,528	5,620	5,012	4,370	
Price, wholesale, U.S. average	. \$ per 100 lb.	4.10	4.10	4.20	4.43	4.48	4.42	4.34	4.25	4.12	3.94	3.82	3.78	3.94	4.10	4.28	4.48
Dry milk:																	
Production‡	. . mil. lb.	6.6	7.6	7.6	7.1	6.7	6.3	7.6	6.6	7.3	7.8	7.4	6.6	6.8	7.5	8.0	
Dry whole milk	. . do.	185.5	174.7	119.4	121.4	128.2	158.3	176.9	181.0	206.7	217.7	250.2	235.6	181.5	148.1	121.7	
Stocks, manufacturers', end of month:																	
Dry whole milk	. . do.	6.3	5.7	4.8	5.0	5.3	5.3	6.1	5.8	6.6	7.5	7.1	6.4	6.2	5.9	6.0	
Nonfat dry milk (human food)	. . do.	123.4	95.0	82.1	63.0	64.3	81.5	80.9	86.1	104.6	130.6	128.6	127.3	114.4	94.7		
Exports:																	
Dry whole milk	. . do.	1.1	2.5	2.6	2.0	1.6	2.9	2.1	.8	.8	1.1	1.3	.6	2.4	.9	6.1	
Nonfat dry milk (human food)	. . do.	25.5	44.6	39.2	41.9	53.6	38.0	27.4	37.9	88.6	61.0	119.4	107.1	93.5	65.5	65.1	
Price, manufacturers' average selling, nonfat dry milk (human food)	. \$ per lb.	.148	.144	.144	.144	.144	.146	.146	.146	.146	.146	.146	.146	.143	.146	.148	
GRAIN AND GRAIN PRODUCTS																	
Exports (barley, corn, oats, rye, wheat)	. . mil. bu.	96.9	103.4	92.7	115.6	125.6	130.7	123.8	112.5	123.4	126.6	129.8	96.8	91.8	99.7	115.4	
Barley:																	
Production (crop estimate)	. . do.	1,436.4	1,399.9														2,388.5
Stocks (domestic), end of quarter, total	. . do.	3,284.8	3,284.0	426.0													401.0
On farms	. . do.	3,160.8	3,165.0	262.6													252.0
Off farms	. . do.	3,124.0	3,119.0	163.4													149.0
Exports, including malt§	. . do.	8.3	4.8	5.5	4.8	7.7	5.8	5.5	6.7	2.9	5.0	12.6	7.7	2.0	3.4	6.0	
Prices, wholesale (Minneapolis):																	
No. 2, malting	. \$ per bu.	1.26	1.19	1.18	1.22	1.21	1.18	1.18	1.16	1.18	1.22	1.23	1.19	1.18	1.16	1.23	1.26
No. 3, straight	. do.	1.20	1.11	1.09	1.14	1.11	1.09	1.10	1.09	1.10	1.14	1.16	1.11	1.08	1.06	1.17	1.19
Corn:																	
Production (crop estimate, grain only)	. . mil. bu.	13,637	14,082														2,354
Grindings, wet process	. . do.	14.3	15.4	15.3	16.8	16.7	14.4	15.9	15.9	17.4	16.6	17.2	17.0	15.2	15.7	15.9	16.6
Stocks (domestic), end of quarter, total	. . mil. bu.	2,929	3,2705	1,346													
On farms	. . do.	3,1,807	3,1,779	4,514													
Off farms	. . do.	3,1,122	3,926	4,831													
Exports, including meal and flour	. . do.	35.5	36.6	27.8	33.5	55.7	54.7	46.8	33.5	33.5	42.4	35.4	28.0	32.8	42.9	39.5	
Prices, wholesale:																	
No. 3, yellow (Chicago)	. \$ per bu.	1.11	1.24	1.35	1.18	1.15	1.19	1.22	1.19	1.21	1.24	1.28	1.26	1.22	1.25	1.26	1.21
Weighted avg., 5 markets, all grades	. do.	1.08	1.20	1.26	1.19	1.16	1.19	1.20	1.18	1.21	1.24	1.27	1.24	1.21	1.23	1.25	1.22
Oats:																	
Production (crop estimate)	. . mil. bu.	1,1,020	1,981														2,893
Stocks (domestic), end of quarter, total	. . do.	3,628	3,621	946													
On farms	. . do.	3,553	3,545	833													
Off farms	. . do.	3,74	3,76	113													
Exports, including oatmeal	. . do.	2.5	.9	.8	.6	.2	.2	.2	.2	.1	.3	.7	.9	.6	1.0	1.1	
Price, wholesale, No. 2, white (Chicago)†	. \$ per bu.	.71	.73	.71	.71	.72	.74	.75	.71	.68	.68	.66	.66	.65	.68	.71	.71
Rice:																	
Production (crop estimate)	. . mil. bags	1,66.0	1,70.1														2,72.2
California mills:																	
Receipts, domestic, rough	. . mil. lb.	126	122	61	271	81	70	206	138	141	163	103	66	62	68	44	
Shipments from mills, milled rice	. . do.	79	85	45	62	46	84	89	187	82	184	109	42	55	42	53	
Stocks, rough and cleaned (cleaned basis), end of month	. . mil. lb.	97	132	75	192	200	168	232	143	170	105	69	74	56	54	28	
Southern States mills (Ark., La., Tenn., Tex.):																	
Receipts, rough, from producers	. . mil. lb.	364	438	1,679	1,113	377	295	329	192	123	148	71	58	135	717	1,348	
Shipments from mills, milled rice	. . do.	255	270	332	357	264	329	379	386	555	494	428	355	306	395	553	
Stocks, domestic, rough and cleaned (cleaned basis), end of month	. . mil. lb.	866	957	1,340	1,235	1,710	1,592	1,447	1,197	931	746	531	372	296	559	1,122	
Exports	. . do.	193	220	87	197	203	357	314	419	356	400	265	237	122	79	160	
Price, wholesale, Nato, No. 2 (N.O.)	. \$ per lb.	.094	.093	.087	.088	.088	.088	.0									

Unless otherwise stated, statistics through 1962 and descriptive notes are shown in the 1963 edition of BUSINESS STATISTICS	1962	1963	1963				1964									
	Monthly average	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	

**FOOD AND KINDRED PRODUCTS; TOBACCO—Continued**

**GRAIN AND GRAIN PRODUCTS—Con.**

<b>Wheat:</b>																	
Production (crop estimate), total.....	mill. bu.	1,094	1,138													1,280	
Spring wheat.....	do	1,273	1,233													2,267	
Winter wheat.....	do	1,821	1,905													2,1,015	
Distribution (quarterly total).....	do	3,316	3,337	392				329			410			305		381	
Stocks (domestic), end of quarter, total.....	do	3,1,713	3,1,563	1,941				1,613			1,205			4,901		1,806	
On farms.....	do	3,259	3,252	409				309			153			4,75		500	
Off farms.....	do	3,1,453	3,1,311	1,533				1,304			1,052			4,826		1,306	
Exports, total, including flour.....	do	49.2	59.7	58.1	75.5	61.0	68.9	570.5	71.5	86.6	78.0	79.5	60.0	56.3	52.3	66.5	
Wheat only.....	do	43.0	53.3	52.2	70.4	55.1	60.0	66.0	65.6	81.5	70.7	72.1	54.8	52.8	44.6	60.4	
Prices, wholesale:																	
No. 1, dark northern spring (Minneapolis)	\$ per bu.	2.48	2.42	2.36	2.43	2.39	2.37	2.37	2.32	2.25	2.34	2.35	2.38	1.70	1.74	1.80	1.84
No. 2, hd. and dk. hd. winter (Kans. City).....	do	2.19	2.20	2.09	2.20	2.21	2.23	2.24	2.23	2.17	2.26	2.13	1.53	1.55	1.58	1.63	1.66
Weighted avg., 6 markets, all grades.....	do	2.41	2.33	2.29	2.37	2.34	2.31	2.31	2.27	2.19	2.26	2.26	1.58	1.59	1.69	1.72	1.74
Wheat flour:																	
Production:																	
Flour.....	thous. sacks (100 lb.)	21,839	21,991	21,409	24,649	22,220	21,399	23,519	21,218	21,956	22,241	21,961	27,057	14,953	20,818	23,305	
Operations, percent of capacity.....		92.4	92.6	97.9	98.0	101.6	91.8	97.5	96.8	90.0	91.2	94.3	111.0	58.7	89.6	99.3	
Offal.....	thous. sh. tons	406	407	400	459	412	393	433	390	406	411	409	507	283	390	435	
Grindings of wheat.....	thous. bu.	49,613	49,976	48,798	56,105	50,558	48,599	53,494	47,872	49,646	50,226	49,897	61,557	34,215	47,324	52,968	
Stocks held by mills, end of quarter																	
thous. sacks (100 lb.)	do	3,4,584	3,4,710	4,516				4,823			5,843			5,354		4,840	
Exports.....	do	2,686	2,808	2,570	2,232	2,550	3,878	1,912	2,527	2,183	3,127	3,191	2,249	1,540	3,289	2,620	
Prices, wholesale:																	
Spring, standard patent (Minneapolis)	\$ per 100 lb.	5.909	5.639	5.550	5.725	5.738	5.538	5.538	5.563	5.313	5.600	5.478	5.783	5.983	5.765	5.673	
Winter, hard, 95% patent (Kans. City).....	do	5.621	5.365	5.283	5.467	5.450	5.233	5.250	5.300	5.150	5.400	5.250	5.333	5.643	5.510	5.488	

## LIVESTOCK

## MEATS AND LARD

<b>Total meats:</b>													
Production (carcass weight, leaf lard in), inspected slaughter	mil. lb.	2,151	2,292	2,245	2,582	2,366	2,450	2,662	2,252	2,447	2,575	2,406	2,404
Stocks (excluding lard), cold storage, end of month	mil. lb.	481	592	523	541	623	653	729	773	810	872	873	833
Exports (meat and meat preparations) do	do	42	45	47	58	62	49	60	56	53	47	68	56
Imports (meat and meat preparations) do	do	109	122	144	132	112	121	119	73	101	89	76	126
<b>Beef and veal:</b>													
Production, inspected slaughter do	1,046.6	1,137.4	1,136.8	1,291.2	1,117.8	1,137.9	1,292.8	1,119.3	1,220.2	1,314.8	1,319.6	1,384.8	1,336.5
Stocks, cold storage, end of month do	163.5	217.2	228.2	246.1	279.5	287.6	297.5	282.1	284.5	276.3	285.7	300.4	296.3
Exports do	2.3	2.3	2.8	3.2	2.9	2.4	3.5	2.1	2.5	3.9	5.7	5.0	3.8
Imports do	79.0	92.0	122.0	105.7	89.8	90.6	89.3	51.9	71.4	66.4	53.1	99.6	66.3
Price, wholesale, beef, fresh, steer carcasses, choice (600-700 lbs.) (New York) \$ per lb.	.464	.417	.426	.417	.404	.391	.398	.381	.378	.379	.372	.384	.408
<b>Lamb and mutton:</b>													
Production, inspected slaughter mil. lb.	57.9	55.6	57.4	67.3	52.5	53.2	63.9	49.6	52.5	53.6	48.2	48.3	51.0
Stocks, cold storage, end of month do	14.3	19.5	18.0	17.8	17.2	18.6	18.3	18.4	18.3	16.3	16.4	18.2	17.3
<b>Pork (including lard), production, inspected slan-</b> <b>ghter</b>	mil. lb.	1,046.5	1,099.0	1,050.6	1,223.4	1,195.7	1,259.2	1,305.6	1,082.8	1,174.7	1,206.5	1,038.1	970.9
<b>Pork (excluding lard):</b>													
Production, inspected slaughter do	806.0	856.6	823.7	959.3	939.2	987.4	1,017.1	854.4	914.5	940.9	798.4	743.6	733.6
Stocks, cold storage, end of month do	236.9	279.2	210.4	208.9	250.2	276.7	322.8	382.3	411.2	473.6	468.8	412.9	321.4
Exports do	5.3	11.5	9.7	14.4	15.1	16.5	22.9	18.5	13.0	10.9	13.5	12.9	8.6
Imports do	17.0	17.6	14.8	19.1	16.2	18.6	16.7	14.8	19.7	16.3	18.0	17.0	15.9
Prices, wholesale:													
Hams, smoked, composite \$ per lb.	.491	.464	.465	.463	.472	.480	.458	.457	.452	.435	.423	.448	.453
Fresh loins, 8-12 lb. average (New York) do	.475	.443	.478	.461	.427	.417	.438	.413	.409	.401	.395	.461	.503
<b>Lard:</b>													
Production, inspected slaughter mil. lb.	175.3	176.4	165.1	191.3	187.1	198.4	209.4	173.0	189.1	193.0	175.7	165.7	155.5
Stocks, dry and cold storage, end of mo. do	98.9	123.1	81.2	75.2	92.4	119.4	105.7	124.9	113.6	116.3	125.2	96.3	98.1
Exports do	35.2	44.8	53.2	47.6	35.2	32.7	62.7	52.3	51.6	51.9	91.1	45.8	46.3
Price, wholesale, refined (Chicago) \$ per lb.	.125	.122	.123	.131	.143	.125	.128	.131	.126	.130	.130	.131	.130

\* Revised.      \* Preliminary.

<sup>1</sup> Crop estimate for the year. <sup>2</sup> Nov. 1 estimate of 1964 crop. <sup>3</sup> Quarterly average.  
<sup>4</sup> Old crop only; new grain not reported until beginning of new season (July 1).

<sup>4</sup> Old crop only; new grain not reported until beginning of new crop year (July for wheat).  
<sup>5</sup> Beginning Jan. 1964, flour included in total is converted to grain equivalent on basis of

<sup>3</sup> Beginning Jan. 1964, flour included in total is converted to grain equivalent on basis of 2.33 bu. of wheat to 100 lb. of flour (2.3 bu. formerly used).

<sup>6</sup> Average based on months for which quotations are available.

- Fig. 11 - 11 stations for which quotations are available. No quotation.

<sup>8</sup> Monthly average based on 11 months (Feb.-Dec.).

<sup>a</sup> Monthly average based on 11 months (Feb.-Dec.).  
<sup>b</sup> Revised effective Jan. 1961 in accordance with the Standard International Trade Classification (SITC) grouping of items; this grouping excludes lard (included in former export series) and sausage casings (formerly included) but includes meat extracts, etc. (formerly excluded). Data for Jan. 1961-Aug. 1962 are available upon request. <sup>c</sup> Beginning July 1964, data are for 26 public markets.

Unless otherwise stated, statistics through 1962 and descriptive notes are shown in the 1963 edition of BUSINESS STATISTICS

	1962	1963	1963				1964									
	Monthly average		Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.

### FOOD AND KINDRED PRODUCTS; TOBACCO—Continued

<b>POULTRY AND EGGS</b>																	
Poultry:																	
Slaughter (commercial production) .....	mill. lb.	578	604	735	833	688	636	552	459	494	541	569	611	635	699	735	-----
Stocks, cold storage (frozen), end of month, total .....	mill. lb.	306	295	363	490	426	364	359	320	273	241	219	211	227	275	* 366	490
Turkeys.....	do	199	184	251	361	288	217	215	188	151	123	100	89	102	149	* 233	345
Price, in Georgia producing area, live broilers .....	\$ per lb.	.144	.138	.130	.134	.138	.128	.139	.141	.140	.135	.130	.135	.145	.140	.145	.140
Eggs:																	
Production on farms .....	mil. cases○	14.5	14.6	13.6	14.3	14.2	14.7	14.8	14.4	16.0	15.7	16.0	15.0	14.9	14.5	14.0	14.6
Stocks, cold storage, end of month:																	
Shell.....	thous. cases○	186	132	154	137	111	67	137	78	36	81	171	201	184	119	* 155	161
Frozen.....	mil. lb.	82	73	95	80	68	55	44	40	46	62	86	106	114	108	* 98	84
Price, wholesale, extras, large (delivered; Chicago) .....	\$ per doz.	.334	.343	.395	.375	.376	.372	.387	.320	.326	.290	.276	.293	.326	.381	.362	-----
<b>MISCELLANEOUS FOOD PRODUCTS</b>																	
Cocoa (cacao) beans:																	
Imports (incl. shells) .....	thous. lg. tons.	23.8	23.5	19.3	19.3	13.8	21.0	26.7	23.9	29.4	16.8	17.6	22.2	18.4	26.8	19.7	-----
Price, wholesale, Accra (New York) .....	\$ per lb.	.208	.253	.256	.276	.255	.261	.263	.233	.236	.220	.228	.224	.235	.228	.234	.235
Coffee (green):																	
Inventories (roasters', importers', dealers'), end of quarter .....	thous. bags○	* 3,355	* 23,922	4,008			4,726			4,366			4,216			4,006	
Roastings (green weight), quarterly total .....	do	* 5,669	* 25,704	5,074			6,306			6,645			5,016			5,041	
Imports, total .....	do	2,041	1,986	2,167	2,486	2,181	2,143	1,977	1,970	2,476	2,460	1,597	1,344	1,552	1,428	1,660	-----
From Brazil .....	do	758	772	908	949	1,026	982	718	591	1,006	843	302	399	441	368	525	-----
Price, wholesale, Santos, No. 4 (New York) .....	\$ per lb.	.344	.345	.335	.353	.380	.380	.480	.465	.505	.500	.490	.485	.475	* 473	.455	.482
Confectionery, manufacturers' sales .....	mil. \$	105	110	154	148	133	119	129	120	109	104	89	86	77	101	.161	-----
Fish:																	
Stocks, cold storage, end of month .....	mil. lb.	180	206	236	243	249	244	220	178	163	156	162	177	200	216	* 219	211
Sugar:																	
Cuban stocks, raw, end of month .....	thous. Spanish tons.	1,424	* 929	308	* 108	175	25	130	625	1,345	1,835	1,695	1,370	1,380	780	255	125
United States:																	
Deliveries and supply (raw basis):\$																	
Production .....	thous. sh. tons.	273	314	146	750	938	939	595	305	197	120	66	45	79	120	-----	-----
Entries from off-shore, total ♀ .....	do	550	540	230	424	241	124	1,213	224	371	348	399	723	628	783	529	-----
Hawaii and Puerto Rico .....	do	166	159	98	150	94	56	78	108	228	223	216	244	224	190	158	-----
Deliveries, total ♀ .....	do	821	836	960	968	639	952	642	583	701	732	765	919	976	978	-----	-----
For domestic consumption .....	do	813	832	958	967	637	950	641	582	700	731	764	918	974	977	-----	-----
Stocks, raw and refined, end of month .....	do	1,599	1,675	1,023	1,273	1,920	2,487	2,579	2,581	2,533	2,341	2,185	1,866	1,493	* 1,234	* 973	-----
Exports, raw and refined .....	sh. tons.	259	342	154	209	1,127	352	585	785	571	367	407	396	231	231	171	-----
Imports:																	
Raw sugar, total ♀ .....	thous. sh. tons.	359	359	383	351	214	423	163	92	226	205	340	293	367	271	420	-----
From Republic of the Philippines .....	do	102	91	101	90	9	94	68	11	89	42	127	77	170	101	183	-----
Refined sugar, total .....	do	25	14	* 42	19	19	14	2	2	1	3	1	5	11	6	7	-----
Prices (New York):																	
Raw, wholesale .....	\$ per lb.	.065	.081	.073	.092	.095	.084	.095	.082	.073	.074	.068	.066	.063	.062	.062	.063
Refined:																	
Retail (incl. N. E. New Jersey) .....	\$ per 5 lb.	.569	.688	.681	.675	.750	.771	.769	.774	.737	.722	.696	.668	.662	.692	.688	-----
Wholesale (excl. excise tax) .....	\$ per lb.	.089	.111	.099	.114	.127	.122	.125	.118	.112	.105	.102	.092	.092	.092	.088	-----
Tea, imports .....	thous. lb.	10,808	10,503	11,011	13,439	10,571	8,851	10,823	10,627	12,377	13,982	11,552	10,409	10,392	8,533	10,897	-----
Baking or frying fats (incl. shortening):																	
Production .....	mil. lb.	224.0	211.1	214.5	258.1	228.8	203.0	207.1	209.8	213.0	221.4	233.8	182.2	228.9	243.1	-----	-----
Stocks (producers' and warehouse), end of month .....	mil. lb.	173.5	132.3	103.7	103.4	104.2	119.3	114.2	113.4	113.9	116.5	122.1	131.1	117.2	99.9	99.6	-----
Salad or cooking oils:																	
Production .....	do	211.0	191.0	183.9	187.5	177.0	183.2	175.6	199.9	211.4	201.0	207.4	235.1	238.8	296.1	271.9	-----
Stocks (producers' and warehouse), end of month .....	mil. lb.	245.0	248.7	210.2	(4)	160.0	145.1	137.5	124.7	119.5	126.2	129.0	120.7	104.7	116.9	105.4	-----
Margarine:																	
Production .....	do	143.8	145.4	148.6	161.3	147.9	163.1	181.4	159.4	159.8	150.2	138.4	134.3	136.5	142.5	162.1	-----
Stocks (producers' and warehouse), end of month .....	mil. lb.	39.0	45.8	40.8	44.1	40.8	36.4	42.7	46.7	52.0	48.6	50.6	47.2	44.4	44.8	40.2	-----
Price, wholesale (colored; mfr. to wholesaler or large retailer; delivered) .....	\$ per lb.	.256	.238	.238	.238	.238	.238	.238	.238	.238	.238	.238	.238	.238	.238	.238	-----
<b>FATS, OILS, AND RELATED PRODUCTS</b>																	
Animal and fish fats:△																	
Tallow, edible:																	
Production (quantities rendered) .....	mil. lb.	35.8	41.4	39.7	42.5	42.8	38.5	41.3	46.3	41.9	44.6	49.6	45.9	41.9	43.3	37.2	-----
Consumption in end products .....	do	30.7	33.6	35.9	36.5	37.7	28.8	30.2	37.2	37.3	39.2	42.0	40.4	34.9	43.6	36.8	-----
Stocks (factory and warehouse), end of month .....	mil. lb.	25.7	41.3	33.9	29.8	29.0	35.6	35.7	36.4	37.4	38.5	38.7	37.8	35.5	* 29.9	24.6	-----
Tallow and grease (except t wool), Inedible:																	
Production (quantities rendered) .....	do	287.8	317.2	304.5	350.3	327.3	319.9	363.3	336.4	335.3	366.0	361.0	351.3	347.4	332.2	322.3	-----
Consumption in end products .....	do	150.6	150.7	145.6	167.0	140.1	141.8	* 183.6	173.2	161.8	173.8	178.3	193.0	159.9	184.0	191.4	-----
Stocks (factory and warehouse), end of month .....	mil. lb.	384.7	385.9	333.6	353.0	372.8	386.2	387.3	421.5	395.9	395.9	331.1	331.9	314.7	305.3	281.9	-----
Fish and marine mammal oils:																	
Production .....	do	21.3	15.3	19.8	14.2	10.0	6.1	.7	.2	.3	3.5	29.4	40.2	31.8	* 26.1	18.6	-----
Consumption in end products .....	do	8.2	7.4	7.0	8.1	7.2	6.5	6.5	6.9	6.9	7.6	6.8	7.0	6.2	7.4	7.2	-----
Stocks (factory and warehouse), end of month .....	mil. lb.	144.0	* 166.5	181.5	159.0	? 197.1	? 168.4	? 129.8	110.5	99.4	95.5	113.2	124.6	? 139.6	? 145.6	146.7	-----

\* Revised. □ Preliminary. △ Beginning Jan. 1963, includes data for Alaska and Hawaii.  
 † Quarterly average. ▲ Effective Sept. 1963, includes small amounts of refined sugar, tinted, colored, or adulterated. \* Not available. <sup>5</sup> Beginning Jan. 1964, data are not comparable with those for earlier periods; consumption for feed now based on renderers' shipments instead of feed mill reports. <sup>6</sup> Beginning March 1963, includes General Services Administration stocks no longer required for the strategic stockpile. <sup>7</sup> Includes a significant amount described as "contaminated."

○ Cases of 30 dozen. △ Bags of 132.276 lb.

□ Includes data not shown separately; see also note "§". § Monthly data reflect cumulative revisions for prior periods.

△ For data on lard, see p. S-28.

† Revisions for Jan.-June 1962 appear in the Sept. 1963 SURVEY.

Unless otherwise stated, statistics through 1962 and descriptive notes are shown in the 1963 edition of BUSINESS STATISTICS

	1962	1963	1963				1964									
	Monthly average		Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.

### FOOD AND KINDRED PRODUCTS; TOBACCO—Continued

FATS, OILS, AND RELATED PRODUCTS—Continued																
Vegetable oils and related products:																
Coconut oil:																
Production:																
Crude	mil. lb.	135.8	29.0	31.3	33.5	39.4	29.8	30.0	30.0	(2)	18.6	20.0	25.2	32.6	29.3	27.5
do		44.3	46.2	45.3	47.1	44.5	41.5	41.2	41.6	41.1	48.4	41.9	38.0	46.2	43.2	39.8
Consumption in end products	do	57.5	60.4	60.7	67.8	57.0	59.3	58.0	58.7	61.9	66.7	65.9	58.7	61.1	69.7	66.2
Stocks, crude and refined (factory and warehouse), end of month	mil. lb.	243.4	227.4	225.0	219.5	209.3	195.9	193.4	196.5	185.5	166.0	158.2	154.7	166.3	178.5	159.1
Imports	do	22.1	31.0	35.3	39.4	7.8	0	61.1	41.6	46.1	34.8	27.8	36.4	35.4	68.8	9.3
Coco oil:																
Production:																
Crude	do	30.4	32.5	31.9	34.7	34.6	30.9	32.7	34.6	37.2	36.6	35.9	37.0	32.0	33.9	31.5
Refined	do	29.3	30.3	31.5	30.0	32.2	34.2	30.1	28.6	34.7	30.0	27.7	34.3	32.9	38.5	29.7
Consumption in end products	do	26.8	27.5	29.5	31.6	28.0	32.2	33.3	34.5	33.0	31.7	30.9	33.0	34.3	35.2	31.2
Stocks, crude and refined (factory and warehouse), end of month†	mil. lb.	49.1	58.2	63.1	62.9	67.4	64.8	62.4	60.5	60.3	63.9	62.6	63.8	62.2	59.7	61.9
Cottonseed cake and meal:																
Production	thous. sh. tons	223.2	225.3	224.1	346.3	353.7	304.8	326.5	292.8	259.1	212.9	165.1	118.7	87.2	82.5	181.9
Stocks (at oil mills), end of month	do	118.6	172.9	159.8	169.8	195.6	188.0	207.5	241.4	259.9	295.7	325.6	305.0	280.2	171.5	138.8
Cottonseed oil:																
Production:																
Crude	mil. lb.	161.5	158.2	156.7	241.3	249.4	212.3	231.4	207.4	185.8	154.7	119.2	86.6	60.3	55.9	127.2
Refined	do	132.4	131.1	98.9	166.1	174.2	171.9	158.2	137.1	146.7	151.9	137.2	117.2	78.9	72.2	86.7
Consumption in end products	do	108.8	95.6	92.7	107.2	98.9	101.7	95.2	102.9	107.5	103.8	99.2	111.9	105.4	111.8	119.5
Stocks, crude and refined (factory and warehouse), end of month	mil. lb.	419.6	598.4	487.5	554.7	637.4	685.6	739.8	803.7	801.6	810.2	769.2	701.6	611.0	498.4	417.8
Exports (crude and refined)*	do	30.9	30.4	21.5	25.2	31.0	40.8	53.3	48.7	76.3	38.4	54.0	43.1	21.2	75.3	43.7
Price, wholesale (drums; N.Y.)	\$ per lb.	.167	.153	.151	.154	.161	.146	.143	.141	.145	.149	.152	.132	.133	.131	.130
Linseed oil:																
Production, crude (raw)	mil. lb.	31.8	33.3	37.4	41.1	34.9	32.1	35.3	33.6	33.5	31.5	39.3	40.8	33.7	38.2	42.1
Consumption in end products	do	31.5	32.0	32.6	31.8	28.2	26.4	28.0	31.0	32.5	35.1	34.6	36.4	35.2	32.2	30.3
Stocks, crude and refined (factory and warehouse), end of month	mil. lb.	111.8	116.7	92.2	103.9	109.4	111.8	124.4	132.0	132.9	131.6	137.6	139.4	125.9	124.6	125.1
Price, wholesale (Minneapolis)	\$ per lb.	.142	.127	.123	.127	.128	.129	.133	.133	.133	.133	.133	.133	.133	.133	.133
Soybean cake and meal:																
Production	thous. sh. tons	867.8	900.1	736.9	944.4	918.7	912.0	842.0	807.3	790.7	819.0	855.2	830.8	893.8	885.1	852.3
Stocks (at oil mills), end of month	do	86.5	127.3	145.1	147.7	165.1	159.5	152.4	162.4	157.2	139.9	167.6	124.1	121.4	119.8	100.7
Soybean oil:																
Production	mil. lb.	407.4	421.1	345.9	442.1	426.2	425.4	388.6	376.2	368.9	385.6	398.7	386.2	412.0	413.6	398.8
Refined	do	338.9	334.1	340.0	361.5	331.6	329.2	351.2	328.3	367.7	352.1	355.6	400.5	340.5	435.6	458.4
Consumption in end products	do	340.7	318.3	320.5	348.9	317.3	316.1	336.6	330.9	353.3	344.8	342.3	366.1	341.7	425.8	431.2
Stocks, crude and refined (factory and warehouse), end of month‡	mil. lb.	803.9	865.2	919.8	(*)	898.9	987.9	1,022.4	1,006.4	991.4	922.3	873.3	814.9	759.4	666.5	577.8
Exports (crude and refined)*	do	101.1	92.1	142.7	99.6	42.1	57.3	70.2	74.7	69.2	126.0	67.0	99.5	127.1	132.1	124.8
Price, wholesale (refined; N.Y.)	\$ per lb.	.133	.133	.133	.133	.141	.127	.123	.122	.122	.121	.123	.102	.109	.110	.120
TOBACCO																
Leaf:																
Production (crop estimate)	mil. lb.	4,235	4,237													
Stocks, dealers' and manufacturers' end of quarter, total	mil. lb.	4,694	4,931	4,754												
Exports, incl. scrap and stems	thous. lb.	39,073	42,124	64,827	76,548	59,291	56,370	36,901	36,307	23,529	29,667	31,306	44,084	32,793	28,622	69,311
Imports, incl. scrap and stems	do	13,951	13,985	11,905	15,802	14,737	12,553	12,438	22,822	12,876	14,687	14,147	15,735	14,860	15,012	16,521
Manufactured:																
Production (smoking, chewing, snuff)	do	14,066	13,959	14,759	16,604	13,017	11,947	15,068	16,150	16,937	16,701	14,647	15,350	13,146	14,513	
Consumption (withdrawals):																
Cigarettes (small):																
Tax-exempt	millions	3,422	3,424	3,173	3,740	3,561	3,360	3,344	3,234	3,216	3,144	3,126	3,644	3,877	3,708	
Taxable	do	41,205	42,466	42,399	46,740	41,272	36,684	40,980	29,168	37,854	43,686	41,714	45,154	42,584	44,420	
Cigars (large), taxable	do	530	547	555	652	648	407	594	622	682	670	731	699	693	719	
Manufactured tobacco, taxable	thous. lb.	13,770	13,708	14,382	15,838	12,858	12,440	14,863	15,550	16,214	16,028	14,231	14,757	13,187	13,909	
Exports, cigarettes	millions	2,007	1,968	1,656	2,124	2,047	1,964	1,843	1,702	2,107	1,862	1,890	2,046	2,148	1,990	2,827

### LEATHER AND PRODUCTS

HIDES AND SKINS																
Exports:																
Value, total†	thous. \$	6,909	6,215	5,861	7,124	7,256	5,711	6,525	6,779	6,385	7,088	8,620	8,252	7,890	8,032	7,810
Calf and kid skins	thous. skins	171	155	136	190	206	203	255	233	245	213	239	151	184	104	162
Cattle hides	thous. hides	593	664	661	919	843	659	787	904	778	882	1,072	1,051	945		
Imports:																
Value, total‡	thous. \$	5,539	5,253	4,948	4,320	3,905	4,212	5,223	7,122	8,456	8,111	8,519	8,242	8,369	5,631	8,077
Sheep and lamb skins	thous. pieces	2,290	2,192	1,923	1,249	781	1,361	1,031	3,254	4,370	3,380	3,615	2,732	3,354	1,891	3,527
Goat and kid skins	do	1,198	1,231	1,211	1,250	1,000	1,150	1,360	1,113	1,099	1,323	1,650	1,134	1,157	850	838
Prices, wholesale:																
Calfskins, packer, heavy, 9½/15 lb.	\$ per lb.	p. 623	p. 365	.300	.275	.300	.325	.325	.325	.325	.400	.438	.430	.430	.450	p. 450
Hides, steer, heavy, native, over 53 lb.	do	p. 152	p. 111	.103	.110	.110	.090	.083	.078	.083	.113	.098	.104	.115	.124	p. 119
LEATHER																
Production:																
Calf and whole kip	thous. skins	498	466	403	532	453	471	386	414	484	525	601	611	495	542	
Cattle hide and side kip	thous. hides and kips															

Unless otherwise stated, statistics through 1962 and descriptive notes are shown in the 1963 edition of BUSINESS STATISTICS

	1962	1963	1963				1964									
	Monthly average		Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.

## LEATHER AND PRODUCTS—Continued

LEATHER MANUFACTURES																	
Shoes and slippers:																	
Production, total <sup>1</sup> . . . . .	thous. pairs	49,803	49,284	50,132	53,809	44,671	45,258	51,556	50,033	52,314	49,205	47,685	47,526	47,436	53,075	-----	
Shoes, sandals, and play shoes, except athletic																	
Production, total <sup>1</sup> . . . . .	thous. pairs	42,033	42,157	40,486	42,784	35,992	39,932	46,689	44,634	46,250	42,217	40,325	40,544	40,630	44,074	-----	
Slippers for housewear . . . . .	do	6,603	5,918	8,087	9,212	7,357	4,109	3,882	4,614	5,107	5,969	6,280	5,903	5,834	7,887	-----	
Athletic . . . . .	do	583	502	486	500	438	412	397	390	439	443	354	290	256	281	-----	
Other footwear . . . . .	do	584	707	1,073	1,313	884	805	588	395	518	576	726	789	716	833	-----	
Exports . . . . .	do	177	170	190	205	208	132	115	156	210	174	145	162	141	150	163	
Prices, wholesale, f.o.b. factory:																	
Men's and boys' oxfords, dress, elk or side upper, Goodyear welt . . . . .	1957-59=100	105.6	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	
Women's oxfords, elk side upper, Goodyear welt . . . . .	1957-59=100	107.8	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	
Women's pumps, low-medium quality . . . . .	do	111.2	110.7	111.1	111.3	110.6	110.9	111.2	110.6	110.6	110.8	110.9	110.9	110.9	110.8	111.0	

## LUMBER AND PRODUCTS

LUMBER—ALL TYPES																	
National Lumber Manufacturers Association: <sup>2</sup> ○																	
Production, total . . . . .	mil. bd. ft.	2,764	2,882	3,115	3,244	2,798	2,559	2,701	2,817	3,054	2,999	2,953	3,041	3,052	3,108	3,205	
Hardwoods . . . . .	do	530	581	609	617	600	501	501	524	493	482	465	539	541	554	510	
Softwoods . . . . .	do	2,234	2,301	2,506	2,627	2,198	2,058	2,200	2,293	2,561	2,517	2,488	2,502	2,511	2,554	2,695	
Shipments, total . . . . .	do	2,777	2,866	2,903	3,054	2,707	2,579	2,686	2,945	3,082	3,129	3,041	3,121	3,170	3,067	3,066	
Hardwoods . . . . .	do	525	564	562	592	579	516	514	548	547	537	524	553	559	583	537	
Softwoods . . . . .	do	2,252	2,303	2,341	2,462	2,128	2,063	2,172	2,397	2,535	2,592	2,517	2,566	2,631	2,484	2,529	
Stocks (gross), mill, end of month, total . . . . .	do	6,346	6,504	6,454	6,493	6,555	6,541	6,594	6,472	6,461	6,386	6,310	6,226	6,156	6,210	6,343	
Hardwoods . . . . .	do	1,529	1,842	1,914	1,964	1,987	1,971	1,957	1,930	1,871	1,810	1,747	1,752	1,754	1,722	1,693	
Softwoods . . . . .	do	4,817	4,662	4,540	4,529	4,570	4,637	4,542	4,590	4,576	4,563	4,474	4,402	4,488	4,650	4,650	
Exports, total sawmill products . . . . .	do	63	73	77	84	82	84	70	68	97	72	90	77	95	82	80	
Imports, total sawmill products . . . . .	do	408	1,445	1,457	469	381	364	281	391	455	475	445	576	556	478	470	
SOFTWOODS <sup>3</sup> ○																	
Douglas fir:																	
Orders, new . . . . .	mil. bd. ft.	680	679	719	800	649	665	842	738	694	731	705	735	788	692	713	
Orders, unfilled, end of month . . . . .	do	496	538	491	520	528	535	671	721	637	594	558	520	491	470	442	
Production . . . . .	do	665	671	700	745	666	638	761	708	771	798	756	770	744	713	752	
Shipments . . . . .	do	673	676	677	722	641	659	706	688	778	773	741	773	817	712	742	
Stocks (gross), mill, end of month . . . . .	do	991	969	925	878	923	903	984	1,004	997	1,056	1,048	1,045	1,002	1,010	1,020	
Exports, total sawmill products . . . . .	do	26	31	26	34	37	37	28	27	38	27	41	29	39	29	24	
Sawed timber . . . . .	do	10	12	10	15	14	18	11	12	14	10	18	9	13	12	7	
Boards, planks, scantlings, etc . . . . .	do	17	19	16	20	23	19	17	15	24	17	23	20	26	17	17	
Prices, wholesale:																	
Dimension, construction, dried, 2" x 4", R. L. \$ per M bd. ft.		78.65	79.92	79.86	77.96	77.73	77.96	78.20	81.43	82.01	83.10	82.99	82.03	81.51	81.52	81.36	
Flooring, C and better, F. G., 1" x 4", R. L. \$ per M bd. ft.		122.52	134.22	136.72	137.67	139.77	141.38	142.46	150.02	152.42	151.90	153.45	153.45	155.52	155.52	155.52	
Southern pine:																	
Orders, new . . . . .	mil. bd. ft.	478	491	486	562	483	379	447	466	528	557	536	550	540	508	514	
Orders, unfilled, end of month . . . . .	do	255	280	269	279	264	256	259	270	289	306	294	284	267	260	253	
Production . . . . .	do	478	484	503	545	484	411	475	476	520	534	517	525	534	500	515	
Shipments . . . . .	do	475	488	496	552	498	387	444	455	509	540	548	560	557	515	521	
Stocks (gross), mill and concentration yards, end of month . . . . .	mil. bd. ft.	1,366	1,380	1,334	1,327	1,313	1,337	1,368	1,389	1,400	1,394	1,363	1,328	1,305	1,290	1,284	
Exports, total sawmill products . . . . .	M bd. ft.	6,325	6,414	4,681	7,676	8,210	7,955	6,603	6,391	10,643	8,694	10,050	9,692	8,400	9,496	8,033	
Sawed timber . . . . .	do	1,571	832	397	833	1,225	1,300	747	902	1,011	788	847	1,521	823	1,691	800	
Boards, planks, scantlings, etc . . . . .	do	4,754	5,583	4,284	6,843	6,985	6,655	5,856	5,489	9,632	7,906	9,203	8,171	7,577	7,805	7,233	
Prices, wholesale, (indexes):																	
Boards, No. 2 and better, 1" x 6", R. L. 1957-59=100		93.1	92.5	94.0	92.8	93.0	92.8	92.7	92.8	92.6	92.7	93.2	92.7	92.9	92.3	92.4	
Flooring, B and better, F. G., 1" x 4", S. L. 1957-59=100		94.6	95.2	96.0	95.6	95.6	95.6	95.6	95.4	95.4	95.4	95.4	95.1	95.1	95.1	95.0	
Western pine:																	
Orders, new . . . . .	mil. bd. ft.	800	849	866	1,002	730	759	891	937	876	894	837	914	947	894	924	
Orders, unfilled, end of month . . . . .	do	416	382	347	384	352	347	503	501	496	484	437	459	485	453	430	
Production . . . . .	do	789	841	977	992	772	749	682	806	930	851	893	875	927	1,014	1,098	
Shipments . . . . .	do	797	839	875	837	762	764	735	939	881	906	884	893	920	926	947	
Stocks (gross), mill, end of month . . . . .	do	1,679	1,657	1,656	1,683	1,693	1,678	1,625	1,492	1,541	1,485	1,494	1,476	1,483	1,571	1,722	
Price, wholesale, Ponderosa, boards, No. 3, 1" x 12", R. L. (6" and over) . . . . .	\$ per M bd. ft.	67.43	67.42	70.56	65.96	64.62	63.50	63.07	63.67	66.45	68.05	69.92	69.01	67.16	65.52	63.76	
HARDWOOD FLOORING																	
Flooring:																	
Maple, beech, and birch:																	
Orders, new . . . . .	mil. bd. ft.	3.1	2.9	2.0	3.2	2.1	2.2	2.6	2.8	3.0	3.1	2.8	3.1	2.6	2.5	2.5	
Orders, unfilled, end of month . . . . .	do	10.5	10.8	10.0	10.4	10.5	10.8	11.6	12.4	12.5	12.5	12.2	11.3	11.1	10.9	10.9	
Production . . . . .	do	2.7	2.8	2.8	3.3	2.5	2.6	2.6	2.2	2.3	3.0	2.7	2.9	2.4	1.4	2.1	
Shipments . . . . .	do	2.9	2.7	2.4	2.6	2.4	1.9	2.2	1.9	2.4	2.7	2.6	3.4	3.6	2.4	2.3	
Stocks (gross), mill, end of month . . . . .	do	7.9	6.5	5.8	6.6	6.6	7.1	7.6	7.9	7.9	7.9	7.3	6.0	4.8	4.4	4.4	
Oak:																	
Orders, new . . . . .	do	65.7	68.3	64.9	72.8	55.1	51.0	75.7	84.2	74.7	69.4	58.1	62.5	74.5	75.2	67.0	
Orders, unfilled, end of month . . . . .	do	42.8	45.2	44.9	40.4	34.7	36.9	44.7	63.6	68.6	62						

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	1962	1963	1963				1964									
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## METALS AND MANUFACTURES

### IRON AND STEEL

#### Exports:

Steel mill products	thous. sh. tons	168	182	162	212	207	230	226	212	235	218	256	300	333	330	259
Scrap	do	426	530	640	552	428	564	580	557	744	708	770	679	718	709	677
Pig iron*	do	13	6	1	8	5	6	4	3	(1)	14	34	39	27	2	22

#### Imports:

Steel mill products	do	342	454	471	549	516	402	481	428	474	495	544	604	582	525	493
Scrap	do	22	19	13	15	16	29	27	26	23	16	17	31	17	24	24
Pig iron*	do	42	55	89	111	80	51	29	36	21	29	78	99	90	95	48

#### Iron and Steel Scrap

Production and receipts, total	thous. sh. tons	5,494	6,168	5,494	6,186	5,898	5,873	6,363	6,366	6,813	7,069	-----	-----	-----	-----	-----
Home scrap produced	do	3,387	3,715	3,363	3,670	3,513	3,535	3,876	3,841	4,263	4,445	-----	-----	-----	-----	-----
Purchased scrap received (net)	do	2,107	2,453	2,131	2,516	2,385	2,337	2,487	2,524	2,550	2,624	-----	-----	-----	-----	-----
Consumption, total	do	5,513	6,218	5,573	6,197	5,971	5,944	6,530	6,560	7,162	7,340	-----	-----	-----	-----	-----
Stocks, consumers', end of mo.	do	8,844	7,977	8,013	8,002	7,962	7,937	7,778	7,599	7,302	7,030	-----	-----	-----	-----	-----

#### Prices, steel scrap, No. 1 heavy melting:

Composite (5 markets)	\$ per lg. ton	28.12	26.78	26.89	27.22	27.02	27.24	28.94	28.63	28.85	30.36	30.62	31.91	33.22	37.05	34.89
Pittsburgh district	do	29.00	27.00	26.00	26.00	25.00	26.00	29.00	29.00	31.00	32.00	33.50	34.50	36.00	38.00	36.00

#### Or

Iron ore (operations in all U.S. districts):																	
Mine production	thous. lg. tons	6,050	6,060	8,573	7,318	3,876	3,543	4,067	4,088	4,167	5,731	8,918	9,448	9,199	9,238	-----	-----
Shipments from mines	do	5,859	6,156	9,718	9,141	5,997	1,846	1,406	1,446	1,598	4,150	7,867	8,302	11,059	10,969	-----	-----
Imports	do	2,786	2,791	3,369	4,064	2,980	1,940	1,693	1,667	2,017	2,403	3,451	4,752	5,070	5,062	4,717	-----

#### U.S. and foreign ores and ore agglomerates:

Receipts at iron and steel plants	do	8,121	8,458	12,535	12,386	8,932	4,052	2,710	3,225	3,491	7,323	13,432	14,029	15,077	14,497	13,676	
Consumption at iron and steel plants	do	8,041	8,669	7,516	8,010	8,033	8,458	9,113	8,867	9,764	9,801	10,558	10,019	10,002	10,363	10,270	
Exports	do	491	568	711	715	428	341	255	211	195	347	621	719	934	852	945	
Stocks, total, end of mo.	do	75,737	73,776	78,448	81,170	80,030	77,314	73,141	69,936	65,816	64,486	68,164	73,291	76,496	78,788	-----	-----
At mines	do	14,657	15,028	13,169	11,367	9,237	10,923	13,224	15,866	18,380	19,947	20,999	22,145	20,283	18,552	-----	-----
At furnace yards	do	56,289	53,376	60,174	64,550	65,450	61,044	51,644	49,002	42,779	40,250	43,124	52,209	56,343	59,758	-----	-----
At U.S. docks	do	5,787	5,372	5,105	5,253	5,343	5,347	5,273	5,068	4,707	4,289	4,041	4,012	4,004	3,893	3,857	-----

#### Manganese (mn. content), general imports

do	79	84	135	67	88	46	71	54	62	105	53	110	80	64	-----	-----
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#### Pig Iron and Iron Products

Pig iron:																	
Production (excluding production of ferroalloys)	thous. sh. tons	5,477	5,993	5,174	5,525	5,565	5,897	6,291	6,199	6,910	6,973	7,435	7,076	7,006	7,158	7,142	-----
Consumption	do	5,550	6,057	5,224	5,603	5,587	5,949	6,415	6,306	7,030	7,058	-----	-----	-----	-----	-----	-----
Stocks (consumers' and suppliers'), end of mo.	thous. sh. tons	3,178	2,814	2,811	2,813	2,827	2,806	2,730	2,654	2,569	2,493	-----	-----	-----	-----	-----	-----

#### Prices:

Composite	\$ per lg. ton	65.46	62.87	62.75	62.75	62.75	62.75	62.75	62.75	62.75	62.75	62.75	62.75	62.75	62.75	62.75	62.75
Basic (furnace)	do	65.50	63.00	63.00	63.00	63.00	63.00	63.00	63.00	63.00	63.00	63.00	63.00	63.00	63.00	63.00	63.00
Foundry, No. 2, Northern	do	66.00	63.50	63.50	63.50	63.50	63.50	63.50	63.50	63.50	63.50	63.50	63.50	63.50	63.50	63.50	63.50

#### Castings, gray iron:

Orders, unfilled, for sale, end of mo.	thous. sh. tons	680	783	805	758	692	719	806	759	816	837	859	834	891	902	-----	-----
Shipments, total	do	963	1,064	1,037	1,194	1,049	1,014	1,068	1,095	1,229	1,264	1,227	1,245	1,116	1,191	-----	-----
For sale	do	527	591	598	673	575	534	542	565	687	699	678	697	635	731	-----	-----

#### Castings, malleable iron:

Orders, unfilled, for sale, end of mo.	thous. sh. tons	73	81	82	78	80	88	91	94	93	92	95	89	71	112	-----	-----
Shipments, total	do	72	78	74	87	78	79	84	82	88	93	95	89	71	80	-----	-----
For sale	do	42	44	42	50	42	42	49	44	48	52	54	49	44	48	44	-----

#### Steel, Crude, Semifinished, and Finished

Steel ingots and steel for castings:		8,194	9,105	7,858	8,483	8,488	8,753	9,515	9,474	10,485	10,549	11,048	10,173	10,095	10,503	10,656	11,547
Index		101.2	112.5	98.4	102.8	106.3	106.1	115.3	122.8	127.1							

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## METALS AND MANUFACTURES—Continued

## IRON AND STEEL—Continued

## Steel, Manufactured Products

Fabricated structural steel:																	
Orders, new (net) . . . . .	thous. sh. tons	302	336	289	322	262	440	356	247	384	387	368	478	347	379	408	
Shipments . . . . .	do	322	341	371	411	324	321	310	304	355	360	377	412	379	374	362	
Backlog, end of year or mo. . . . .	do	2,624	2,322	2,297	2,260	2,238	2,322	2,306	2,270	2,313	2,276	2,261	2,300	2,490	2,497	2,599	

Barrels and drums, steel, heavy types (for sale):																	
Orders, unfilled, end of mo. . . . .	thous. sh. tons	1,404	1,273	1,281	1,233	1,107	1,119	1,184	1,202	1,389	1,379	1,334	1,273	1,360	1,248		
Shipments . . . . .	do	1,947	1,922	1,956	1,994	1,702	1,603	1,858	1,812	1,955	2,108	1,960	2,110	2,146	2,179		
Cans (tinplate), shipments (metal consumed), total for sale and own use <sup>①</sup> . . . . .	thous. sh. tons	405	382	459	426	301	289	342	293	340	383	381	432	467	520		

## NONFERROUS METALS AND PRODUCTS

Aluminum:																	
Production, primary (dom. and foreign ores)																	
thous. sh. tons	176.5	192.7	197.4	205.1	201.1	209.1	212.0	200.2	214.2	208.3	214.6	203.7	216.1	217.2	211.3		
Estimated recovery from scrap <sup>②</sup> . . . . .	do	138.4	142.0	66.0	71.0	63.0	73.0	68.0	67.0	72.0	74.0	68.0	60.0	55.0	51.0		
Imports (general):																	
Metal and alloys, crude . . . . .	do	25.6	34.7	38.2	34.5	36.9	36.1	34.3	28.8	36.5	35.2	35.6	36.8	40.4	26.7	44.3	
Plates, sheets, etc. . . . .	do	4.9	3.4	3.5	4.0	4.1	3.9	4.6	4.3	4.1	4.9	4.1	4.6	5.4	3.4	3.5	
Exports, metal and alloys, crude . . . . .	do	12.6	13.8	13.0	13.2	12.6	11.9	16.8	13.0	15.9	20.0	20.4	17.2	14.6	18.9	19.1	

thous. sh. tons	153.1	105.6	93.8	96.9	110.7	99.0	108.0	107.8	106.0	93.3	99.5	87.0	92.0	104.3	109.9		
Price, primary ingot, 99.5% min. \$ per lb.	do	.2388	.2262	.2250	.2298	.2300	.2300	.2300	.2343	.2350	.2350	.2383	.2400	.2400	.2400	.2400	

Ingot and mill products (net) <sup>Δ</sup> . . . . .	mil. lb.	472.5	528.2	528.2	587.4	492.6	523.9	546.3	532.7	647.7	613.7	600.5	640.7	563.0	543.7	
Mill products, total . . . . .	do	317.6	355.4	346.8	423.7	324.7	328.9	369.3	357.1	433.8	417.4	401.7	415.6	396.7	374.6	
Plate and sheet (excl. foil) . . . . .	do	142.6	166.8	161.3	210.0	144.4	145.0	170.9	170.1	170.1	193.9	194.3	199.6	176.1	172.2	
Castings . . . . .	do	77.2	79.4	77.0	85.0	79.8	79.3	90.7	84.2	88.5	90.1	85.7	87.2	70.0	76.9	

Copper:																	
Production:																	
Mine, recoverable copper† . . . . .	thous. sh. tons	102.4	101.1	99.3	109.9	106.3	108.5	107.3	107.4	112.3	111.9	115.4	113.8	73.5	77.7	93.8	
Refinery, primary . . . . .	do	134.3	133.0	129.0	138.0	131.8	141.3	140.4	147.1	145.0	144.9	147.9	153.4	125.2	110.8	110.4	
From domestic ores . . . . .	do	101.2	101.6	95.1	103.5	103.7	106.3	103.4	109.8	109.6	113.3	111.7	116.1	94.2	78.1	83.0	
From foreign ores . . . . .	do	33.1	31.4	33.9	34.5	28.1	35.0	37.0	37.3	35.4	31.6	36.2	37.3	31.1	32.7	27.4	
Secondary, recovered as refined . . . . .	do	22.7	24.0	24.9	25.8	23.8	23.7	24.1	22.4	29.4	27.0	27.0	28.5	27.4	27.2	27.1	

Refined, unrefined, scrap <sup>④</sup> . . . . .	do	40.1	45.1	70.8	51.7	33.0	54.0	45.9	35.4	60.0	42.1	50.6	48.0	47.9	45.5	51.1	
Refined . . . . .	do	8.2	9.9	13.3	12.2	11.8	7.4	8.9	11.3	10.3	10.9	10.7	11.4	12.5	12.6	14.1	
Exports:																	
Refined, scrap, brass and bronze ingots . . . . .	do	32.1	30.0	29.5	29.5	30.0	39.7	34.3	31.4	33.2	33.6	33.4	33.4	33.9	24.8	33.8	
Refined . . . . .	do	28.0	26.0	25.3	26.4	26.4	33.9	29.5	26.6	25.4	28.2	25.9	25.7	25.1	16.4	22.7	

Stocks, refined, end of mo., total . . . . .	do	177.5	175.4	173.8	154.7	150.3	145.3	135.0	140.4	140.7	135.9	132.9	125.6	163.2	157.1	144.6	
Fabricators' . . . . .	do	102.0	96.0	103.0	80.1	75.9	82.8	80.9	88.8	88.2	86.4	90.2	90.2	116.0	108.1	90.2	
Price, bars, electrolytic (N.Y.) . . . . .	\$ per lb.	.3060	.3060	.3060	.3060	.3060	.3060	.3060	.3112	.3160	.3160	.3160	.3160	.3160	.3160	.3223	.3361

Copper mill (brass mill) products . . . . .	mil. lb.	589	616	578				623						732			699
Copper wire mill products <sup>③</sup> . . . . .	do	409	428	398				454						521			485
Brass and bronze foundry products . . . . .	do	229	239	234				249						281			258

Production:																	
Mine, recoverable lead† . . . . .	thous. sh. tons	19.7	21.1	22.5	25.2	23.0	23.9	24.8	22.7	24.3	24.0	23.3	23.8	23.1	22.9	22.0	
Secondary, recovered from scrap <sup>④</sup> . . . . .	do	37.0	41.1	40.5	47.0	43.7	37.4	39.9	39.6	42.6	42.3	45.9	42.3	41.0			
Imports (general), ore <sup>⑤</sup> , metal <sup>⑥</sup> . . . . .	do	33.4	31.3	31.5	32.1	38.1	33.1	32.4	37.7	31.2	26.0	26.4	32.1	27.6	23.2	23.3	
Consumption, total . . . . .	do	92.5	96.9	94.6	111.1	101.7	99.4	105.4	93.7	92.1	97.4	96.7	100.6	91.5			

Stocks, end of year or mo.: Producers', ore, base bullion, and in process <sup>⑦</sup> (A/BMS) . . . . .	thous. sh. tons	91.0	110.2	105.3	111.1	112.2	110.2	109.5	117.4	111.5	109.2	97.7	94.1</
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<b>METALS AND MANUFACTURES—Continued</b>																	
<b>NONFERROUS METALS AND PROD.—Con.</b>																	
Zinc—Continued																	
Slab zinc:																	
Production (primary smelter), from domestic and foreign ores...thous. sh. tons.	73.3	74.4	72.5	78.1	79.3	83.8	76.0	76.8	86.0	83.7	84.8	80.9	78.9	80.7			
Secondary (redistilled) production...do...	4.9	5.0	5.4	6.0	5.3	4.8	4.8	4.9	5.2	4.7	5.3	5.2	4.9	5.4			
Consumption, fabricators'...do...	86.0	92.1	90.6	99.3	88.5	91.7	86.9	95.2	100.0	98.3	99.5	94.7	100.9				
Exports...do...	3.0	2.8	2.0	2.4	1.9	1.3	.4	2.4	1.7	2.6	3.6	2.7	4.4	2.6	4.1		
Stocks, end of year or mo.:																	
Producers' at smelter (AZI)△...do...	144.7	47.9	55.4	53.9	50.2	55.1	48.2	43.6	46.0	43.5	38.0	30.4	25.7	29.5	30.6	33.9	
Consumers'...do...	80.0	92.1	90.1	88.1	87.0	92.1	92.1	92.5	93.9	89.4	85.6	87.2	89.5	84.2			
Price, prime Western (St. Louis)...\$ per lb.	.1162	.1200	.1250	.1250	.1294	.1300	.1300	.1300	.1332	.1350	.1400	.1350	.1400	.1350	.1350	.1350	
<b>HEATING EQUIPMENT, EXC. ELECTRIC</b>																	
Radiators and convectors, shipments:																	
Cast iron...ml. sq. ft. radiation...	1.0	1.0	1.4	1.4	1.1	1.0	.9	.9	1.1	.8	.5	.7	.7	.9			
Nonferrous...do...		9.2	12.4	13.9	9.8	8.0	8.1	8.2	7.4	7.0	8.1	9.9	9.0	10.5			
Oil burners:																	
Shipments...thous.:	39.8	48.8	75.7	72.4	55.9	32.8	42.3	41.7	40.2	36.6	38.5	48.1	42.8	62.0			
Stocks, end of year or mo...do...	49.9	42.2	51.8	49.5	43.9	42.2	44.1	44.2	47.9	49.8	54.5	59.5	54.4	50.5			
Stoves and ranges, domestic cooking:																	
Shipments, total (excl. liquid-fuel types)...do...	166.7	176.0	198.9	207.3	173.7	162.2	158.1	167.7	200.0	195.4	173.1	189.7	162.1	196.3			
Gasoline...do...	163.6	173.1	194.9	202.5	170.7	160.2	156.0	165.7	197.4	193.5	171.1	187.2	159.6	193.5			
Stoves, domestic heating, shipments, total...do...	157.0	161.9	239.1	258.2	183.6	120.5	91.0	70.8	112.9	89.6	100.6	171.0	205.4	222.4			
Gas...do...	94.1	101.5	146.3	170.4	132.0	81.6	54.3	38.7	77.5	53.4	60.8	122.6	142.8	158.4			
Warm-air furnaces (forced-air and gravity air-flow), shipments, total...thous.:	108.9	117.8	168.8	170.4	132.4	97.6	95.8	95.9	99.3	99.7	96.1	111.6	120.4	140.6			
Gas...do...	87.1	95.3	130.6	134.5	106.5	81.6	79.2	79.4	82.9	84.3	80.4	93.1	100.7	111.8			
Water heaters, gas, shipments...do...	217.7	200.3	179.7	223.1	176.8	191.2	248.3	237.1	244.9	237.7	198.9	215.0	213.2	213.0			
<b>MACHINERY AND APPARATUS</b>																	
Fans, blowers, and unit heaters, qtrly. totals:																	
Fans and blowers, new orders...mill. \$:	140.2	141.0	39.9			42.0			41.6			49.3					
Unit-heater group, new orders...do...	116.2	115.7	14.6			18.2			13.2			18.0					
Foundry equipment (new), new orders, net... mo. avg. shipments, 1957-59=100:	111.4	131.9	122.3	184.8	127.1	129.6	235.8	251.8	272.9	242.6	244.1	221.4	176.0	138.2	157.8		
Furnaces (industrial) and ovens, etc., new orders (domestic), net...mill. \$:	7.0	8.2	9.6	7.6	8.5	6.1	5.8	9.7	10.5	7.4	7.4	7.5	9.2	10.8	11.1		
Electric processing...do...	1.2	1.1	.7	.9	.9	1.0	.8	1.0	1.3	1.2	1.0	1.2	.9	1.0	1.2		
Fuel-fired (exc. for hot rolling steel)...do...	2.8	3.4	2.7	4.6	4.3	3.0	2.4	5.7	6.8	3.8	3.7	3.2	3.6	6.8	5.3		
Material handling equipment (industrial):																	
Orders (new), index, seas. adj. 1957-59=100...do...	112.6	128.7	128.1	135.7	136.6	156.2	146.5	153.3	170.8	158.1	127.4	127.8	156.9	150.6			
Industrial trucks (electric), shipments:																	
Hand (motorized)...number:	500	547	563	602	523	590	491	515	548	581	581	653	581	473	555		
Rider-type...do...	471	581	490	611	598	630	484	609	578	510	523	636	519	585	632		
Industrial trucks and tractors (internal combustion engines), shipments...number:	2,232	2,434	2,661	2,941	2,738	2,830	2,543	2,518	2,862	3,032	2,961	3,109	3,003	2,730	3,127		
Machine tools:																	
Metal cutting tools:																	
Orders, new (net), total...mill. \$:	44.80	59.50	56.55	66.85	59.10	77.40	80.15	74.50	77.70	91.55	85.00	100.10	78.10	73.80	81.60		
Domestic...do...	36.70	47.50	45.40	53.35	49.65	64.15	60.60	60.45	61.40	79.55	70.10	83.35	66.50	62.65	66.00		
Shipments, total...do...	47.85	49.90	54.75	54.05	52.35	69.00	50.35	51.25	63.80	64.85	70.75	73.80	60.00	60.90	70.35		
Domestic...do...	35.15	41.10	42.85	42.95	41.75	56.30	39.85	39.10	48.45	52.35	57.50	62.25	51.70	51.20	55.30		
Estimated backlog...months:	4.2	5.2	5.4	5.7	5.6	5.6	6.2	6.3	6.4	6.7	6.6	6.6	6.7	6.8	7.0		
Metal forming tools:																	
Orders, new (net), total...mill. \$:	14.60	18.10	22.35	32.35	15.95	21.20	48.80	20.30	24.10	45.80	32.55	63.10	27.90	15.80	25.85		
Domestic...do...	11.65	15.90	17.60	29.95	15.20	19.80	47.40	18.85	19.35	43.30	30.35	56.95	25.45	14.90	20.70		
Shipments, total...do...	12.40	15.30	14.70	16.35	14.05	14.30	15.00	19.15	16.90	18.20	21.40	18.80	18.35	15.40			
Domestic...do...	9.30	12.80	12.10	13.00	11.30	12.50	12.40	16.15	15.40	18.25	16.50	19.85	16.30	14.10	12.60		
Estimated backlog...months:	4.6	4.7	4.6	5.4	5.6	5.8	7.6	7.7	8.0	8.9	9.3	10.8	11.1	10.8	11.6		
Other machinery and equip., qtrly. shipments:																	
Construction machinery (selected types), total...mill. \$:	1260.7	1312.3	309.2			284.7			344.7			469.6					
Tractors, tracklaying, total...do...	164.2	178.5	80.2			78.6			79.6			119.6	235.2	32.7			
Tractors, wheel (con., off-highway)...do...	19.7	23.0	27.2			18.3			27.3			37.2					
Tractor shovel loaders (integral units only), wheel and tracklaying types...mill. \$:	158.9	173.6	71.8			73.6			86.2			109.0					
Tractors, wheel (exc. garden and contractors' off-highway types)...mill. \$:	130.1	150.9	100.6			159.0			189.1			200.1	244.5	27.5			
Farm machines and equipment (selected types), excl. tractors...mill. \$:	197.7	213.7	199.7			150.9			277.6			266.6					
<b>ELECTRICAL EQUIPMENT</b>																	
Batteries (auto, replacement), shipments...thous.:	2,540	2,653	3,186	3,673	3,174	3,622	3,146	1,653	1,394	1,602	1,591	1,816	2,269	2,631	2,980		
Household electrical appliances:																	
Ranges (incl. built-ins), sales, total...do...	139.6	155.8	165.8	167.9	159.4	174.4	144.4	165.8	194.1	157.4	153.4	163.7	143.6	151.7	171.6		
Refrigerators and home freezers, output... 1957-59=100:	119.2	127.8	149.1	127.8	129.0	128.6	131.3	150.3	150.8	151.5	150.9	163.0	128.5	102.3	158.3		
Vacuum cleaners, sales billed...thous.:	309.3	353.9	423.0	416.4	382.6	349.7	324.7	365.0	420.5	388.8	337.8	335.2	294.9	389.9	435.1		
Washers, sales (dom. and export)...do...	305.5	329.1	403.7	367.4	336.9	273.5	302.5	330.0	372.0	299.2	300.8	345.8	351.6	334.7	462.0		
Driers (gas and electric), sales (domestic and export)...thous.:	116.4	133.0	200.3	197.1	180.3	153.2	142.8	135.8	121.1	90.2	71.6	90.5	126.1	172.0	248.4		
Radio sets, production...do...	1,596.8	1,523.5	3,2008.2	1,799.8	4,177.0	1,413.3	1,367.9	1,639.1	1,337.4	1,410.7	1,770.9	1,055.6	1,633.4	2,193.8	1,716.9		
Television sets (incl. combination), prod. \$...do...	539.3	594.2	3,779.4	630.1	621.4	4,690.0	731.1	751.5	877.9	712.7	584.2	835.5	517.4	705.8	1,052.7	957.4	
Electron tubes and semiconductors, factory sales... mill. \$:	75.9	73.6	82.5	81.5	71.7	73.0	52.1	52.6	56.9	52.4	51.4	53.9	44.1	54.1	60.2		
Insulating materials, sales, index...1947-49=100:	154	148	154	160	144	151	154	146	167	163	154	165	136	160	167		
Motors and generators:																	
New orders, index, qtrly...do...	149	151	154														

Unless otherwise stated, statistics through 1962 and descriptive notes are shown in the 1963 edition of BUSINESS STATISTICS	1962	1963	1963				1964									
	Monthly average		Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>PETROLEUM, COAL, AND PRODUCTS</b>																
<b>COAL</b>																
Anthracite:																
Production.....thous. sh. tons..	1,408	1,522	1,574	1,822	1,615	1,535	1,527	1,311	1,155	1,427	1,665	1,789	1,127	1,245	1,240	1,275
Exports.....do.....	156	279	407	345	319	309	248	149	86	84	151	171	158	142	128	-----
Prices:																
Retail, stove, composite.....\$ per sh. ton..	28.63	29.39	29.79	30.00	30.54	30.95	31.35	31.40	31.40	31.40	30.60	30.30	31.699	31.699	31.699	31.699
Wholesale, chestnut, f.o.b. mine.....do.....	13.050	13.361	13.510	13.510	14.420	14.420	14.490	14.490	14.490	13.195	13.195	13.195	13.699	13.699	13.699	13.699
Bituminous:																
Production.....thous. sh. tons..	35,178	38,244	40,320	44,876	38,820	39,070	40,430	34,790	36,790	37,490	38,270	40,940	31,830	42,390	42,480	45,535
Industrial consumption and retail deliveries, total?	32,314	34,102	31,596	33,816	34,383	40,219	39,768	36,755	36,439	33,054	32,702	33,218	33,768	34,611	34,466	-----
Electric power utilities.....do.....	15,903	17,420	16,566	17,593	17,783	20,727	20,390	18,732	18,465	16,666	16,757	17,997	18,794	18,685	18,013	-----
Mfg. and mining industries, total.....do.....	14,006	14,664	13,405	14,614	16,349	14,610	16,411	15,525	16,097	15,302	15,324	14,588	14,241	14,772	14,860	-----
Coke plants (oven and beehive).....do.....	6,188	6,458	5,905	6,372	6,236	6,590	6,789	6,540	7,014	7,044	7,537	7,350	7,451	7,305	7,308	-----
Retail deliveries to other consumers.....do.....	2,349	1,962	1,536	1,511	1,905	3,118	2,968	2,496	1,872	1,030	518	562	655	1,066	1,501	-----
Stocks, Industrial and retail dealers', end of month, total?	67,960	65,692	69,388	72,708	73,383	70,083	66,536	64,430	63,041	65,043	68,619	70,700	65,616	67,682	71,903	-----
Electric power utilities.....do.....	46,665	46,139	49,138	51,722	52,383	49,314	46,422	44,961	43,717	45,045	47,886	49,331	46,921	48,443	51,279	-----
Mfg. and mining industries, total.....do.....	20,845	19,103	19,712	20,423	20,391	20,270	19,659	19,121	19,070	19,743	20,420	21,012	18,306	18,823	20,196	-----
Oven-coke plants.....do.....	8,044	7,373	7,290	8,054	8,014	7,780	7,900	8,299	8,411	9,375	7,467	7,976	8,654	-----	-----	-----
Retail dealers.....do.....	449	450	538	563	609	499	455	348	254	255	313	357	389	416	428	-----
Exports.....do.....	3,201	3,923	5,266	5,029	4,500	3,536	3,152	3,065	3,028	3,523	4,551	4,617	4,038	5,250	4,263	-----
Prices:																
Retail, composite.....\$ per sh. ton..	17.30	17.46	17.46	17.60	17.73	17.83	17.89	17.89	17.89	17.76	17.31	17.23	-----	-----	-----	-----
Wholesale:																
Screenings, indust. use, f.o.b. mine.....do.....	14,918	24,748	4,752	4,745	4,748	4,748	4,726	4,731	4,731	4,807	4,832	4,840	4,832	4,829	4,810	-----
Domestic, large sizes, f.o.b. mine.....do.....	17,443	27,014	7,061	7,231	7,257	7,257	7,276	7,221	7,026	6,524	6,482	6,513	6,657	6,800	6,977	-----
<b>COKE</b>																
Production:																
Beehive.....thous. sh. tons..	68	81	79	83	78	82	82	78	87	87	90	79	70	89	102	-----
Oven (byproduct).....do.....	4,258	4,442	4,157	4,391	4,289	4,540	4,661	4,485	4,821	4,855	5,192	5,037	5,164	5,138	5,138	5,138
Petroleum coke.....do.....	1,312	1,344	1,350	1,367	1,355	1,457	1,440	1,343	1,457	1,366	1,409	1,436	1,501	1,415	1,415	1,415
Stocks, end of month:																
Oven-coke plants, total.....do.....	3,899	2,993	2,777	2,888	2,899	2,881	2,881	2,672	2,567	2,421	2,337	2,281	2,353	2,358	2,363	-----
At furnace plants.....do.....	2,796	2,294	2,166	2,304	2,379	2,394	2,380	2,253	2,141	2,008	1,909	1,862	1,876	1,876	1,915	-----
At merchant plants.....do.....	1,103	699	611	584	520	486	451	418	426	413	429	419	477	480	448	448
Petroleum coke.....do.....	1,053	1,200	1,171	1,195	1,381	1,297	1,284	1,313	1,329	1,359	1,379	1,393	1,417	1,379	1,379	-----
Exports.....do.....	33	38	33	23	41	19	19	23	27	25	83	40	61	59	36	-----
<b>PETROLEUM AND PRODUCTS</b>																
Crude petroleum:																
Oil wells completed.....number..	1,781	3,1691	1,725	1,633	1,480	1,768	1,567	1,628	1,564	1,566	1,542	1,730	1,819	1,892	-----	-----
Price at wells (Okla.-Kansas).....\$ per bbl..	2.97	2.93	2.93	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92
Runs to stills.....mil. bbl..	255.8	264.2	260.2	266.9	261.0	269.3	273.3	256.8	269.9	258.4	267.6	268.0	281.7	281.0	281.0	281.0
Refinery operating ratio.....% of capacity..	84	87	87	86	87	87	88	89	87	84	84	87	88	88	88	88
All oils, supply, demand, and stocks: <sup>1</sup>																
New supply, total.....mil. bbl..	317.4	327.6	316.8	331.8	322.5	336.7	363.1	326.0	345.7	335.4	334.3	321.9	340.2	336.6	-----	-----
Production:																
Crude petroleum.....do.....	223.0	229.4	225.2	233.6	226.3	232.8	238.1	224.5	240.6	233.1	235.8	228.3	233.7	232.6	-----	-----
Natural-gas liquids, benzol, etc.....do.....	31.1	33.4	32.8	34.1	34.3	35.6	36.4	34.1	36.0	34.0	34.4	32.9	34.5	34.9	34.9	34.9
Imports:																
Crude petroleum.....do.....	34.3	34.4	34.9	31.4	34.2	30.3	39.6	32.2	36.9	33.1	36.0	34.4	43.8	40.7	-----	-----
Refined products.....do.....	29.1	30.4	23.9	32.7	27.6	38.0	40.0	35.2	32.2	35.2	28.2	26.3	28.1	28.3	28.3	28.3
Change in stocks, all oils (decrease,--)	1.0	1	11.0	11.7	2.9	-54.9	-22.8	-9.9	6.4	8.8	24.7	1.1	12.9	16.6	16.6	16.6
Demand, total.....do.....	316.4	327.5	305.8	320.1	319.6	301.6	385.8	335.9	339.4	326.6	309.7	320.8	327.3	320.0	-----	-----
Exports:																
Crude petroleum.....do.....	.1	.1	.1	.2	.1	.2	.1	.1	.2	.1	.2	.2	.1	.1	.1	.1
Refined products.....do.....	5.0	6.2	7.0	6.0	6.5	6.3	6.7	4.8	6.0	6.4	5.7	6.7	6.0	-----	-----	-----
Domestic demand, total?	311.3	321.2	298.7	313.8	313.0	385.1	379.0	331.0	333.1	320.1	303.8	314.2	320.5	313.9	-----	-----
Gasoline.....do.....	132.1	136.2	134.0	142.0	132.9	134.7	130.5	121.8	135.5	140.6	144.9	153.5	156.7	150.1	-----	-----
Kerosene.....do.....	13.7	14.4	13.3	12.5	15.4	21.9	21.2	17.7	15.2	12.6	11.1	10.3	12.3	12.8	12.8	12.8
Distillate fuel oil.....do.....	61.0	62.3	50.5	49.5	61.5	102.2	96.1	81.5	73.4	59.6	46.8	43.8	41.2	41.4	41.4	41.4
Residual fuel oil.....do.....	45.5	44.1	35.6	41.8	43.8	60.4	66.4	53.4	49.7	48.2	37.5	35.7	38.2	37.7	37.7	37.7
Jet fuel.....do.....	9.4	9.7	10.2	10.9	9.1	8.8	9.7	8.4	9.5	10.3	10.4	11.9	10.3	10.7	10.7	10.7
Lubricants.....do.....	3.6	3.6	3.4	4.3	3.3	2.9	4.0	3.4	3.8	4.4	3.6	4.3	4.0	3.7	3.7	3.7
Asphalt.....do.....	9.5	9.8	14.6	14.2	6.9	4.1	3.3	3.3	4.3	7.1	11.9	15.5	16.7	16.7	16.7	16.7
Liquefied gases.....do.....	21.3	19.5	16.1	17.6	20.9	29.5	27.8	22.2	19.9	16.9	15.8	15.7	17.6	18.6	18.6	18.6
Stocks, end of month, total.....do.....	820.6	831.1	875.9	887.6	890.5	835.6	812.8	809.2	818.0	842.7	843.9	856.7	873.3	-----	-----	-----
Crude petroleum.....do.....	248.1	246.9	248.3	245.5	244.4	237.4	241.0	240.1	246.9	253.9	257.3	251.2	246.3	237.9	-----	-----
Natural-gas liquids.....do.....	35.2	33.8	43.1	43.8	42.1	33.7	28.4	27.4	29.9	34.1	38.9	42.5	45.0	46.6	-----	-----
Refined products.....do.....	537.3	4550.4	584.6	598.3	604.0	564.5	535.4	532.5	530.0	546.5	550.1	565.3	588.7	-----	-----	-----
Refined petroleum products: <sup>2</sup>																
Gasoline (incl. aviation):																
Production.....do.....	131.9	4135.7	135.7	138.2	135.6	144.1	142.4	133.0	140.1	133.9	140.1	140.5	149.7	149.4	-----	-----
Exports.....do.....	.5	.6	.7													

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and descriptive notes are shown in the 1963  
edition of BUSINESS STATISTICS

	1962	1963	1963				1964									
	Monthly average		Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.

### PETROLEUM, COAL, AND PRODUCTS—Continued

#### PETROLEUM AND PRODUCTS—Continued

##### Refined petroleum products†—Continued

Aviation gasoline:																	
Production	. . . . .	mil. bbl.	10.2	10.4	9.5	10.0	9.8	10.8	10.0	10.6	10.2	10.5	10.8	11.7	11.6	11.6	
Exports	do		.4	.4	.5	.5	.5	.6	.4	.2	.2	.4	.5	.6	.6	.6	
Stocks, end of month	do		10.5	10.7	9.6	9.3	8.8	9.4	9.7	10.8	10.3	9.9	9.2	9.0	8.9	8.9	
Kerosene:																	
Production	do		13.1	13.8	12.2	14.9	14.8	16.2	17.3	14.7	14.3	12.5	11.7	11.6	12.7	13.4	
Stocks, end of month	do		30.6	31.7	36.0	39.1	39.1	34.1	30.9	28.5	28.5	29.1	30.5	32.8	34.4	36.0	
Price, wholesale, bulk lots (N.Y. Harbor)	\$ per gal.		.104	.102	.096	.096	.099	.104	.104	.099	.096	.094	.093	.093	.093	.093	
Distillate fuel oil:																	
Production	. . . . .	mil. bbl.	60.0	63.8	63.2	63.9	62.9	65.8	67.5	62.8	61.7	57.6	60.8	61.1	64.2	62.0	
Imports	do		1.0	.8	.7	.9	1.0	.8	1.6	1.1	.9	.8	.7	1.0	.6	.9	
Exports	do		.7	1.2	1.4	1.1	1.3	.4	1.2	.4	.6	.3	.3	.4	.2	.2	
Stocks, end of month	do		133.4	135.8	177.2	191.4	192.6	156.7	128.5	110.5	99.2	97.8	112.2	130.3	153.6	175.0	
Price, wholesale (N.Y. Harbor, No. 2 fuel)	\$ per gal.		.092	.092	.086	.086	.089	.094	.094	.089	.086	.084	.083	.083	.083	.083	
Residual fuel oil:																	
Production	. . . . .	mil. bbl.	24.6	23.1	21.5	21.0	22.5	25.0	25.8	22.7	22.3	21.2	20.8	19.5	21.6	21.1	
Imports	do		22.0	22.9	15.7	23.2	20.7	31.6	39.7	29.2	24.7	28.0	19.8	17.7	20.5	19.5	
Exports	do		1.1	1.3	1.7	1.0	1.8	1.3	1.6	1.0	1.7	2.0	1.4	1.9	1.5	1.5	
Stocks, end of month	do		46.6	48.6	52.6	54.4	52.2	47.5	45.4	43.3	39.1	38.5	40.5	40.4	43.0	44.6	
Price, wholesale (Okla., No. 6)	\$ per bbl.		1.58	1.57	1.55	1.55	1.55	1.80	1.65	1.50	1.35	1.35	1.35	1.35	1.35	1.35	
Jet fuel (military grade only):																	
Production	. . . . .	mil. bbl.	8.6	8.3	8.5	7.8	8.3	7.8	7.8	7.9	9.1	8.9	9.5	9.9	10.0	10.4	
Stocks, end of month	do		8.7	9.4	9.3	8.6	8.9	8.5	8.5	9.0	9.9	9.2	9.3	8.6	9.5	10.7	
Lubricants:																	
Production	do		5.1	5.3	5.4	5.4	5.3	5.0	5.2	4.8	5.2	5.3	5.4	5.2	5.4	5.4	
Exports	do		1.5	1.5	1.6	1.5	1.4	1.8	1.2	1.4	1.4	2.0	1.3	1.6	1.6	1.7	
Stocks, end of month	do		12.8	13.7	13.8	13.4	14.0	14.3	14.3	14.4	14.4	13.3	13.8	13.1	12.9	12.9	
Price, wholesale, bright stock (midcontinent, f.o.b., Tulsa)	\$ per gal.		.261	.270	.270	.270	.270	.270	.270	.270	.270	.270	.270	.270	.270	.270	
Asphalt:																	
Production	. . . . .	mil. bbl.	9.1	9.3	12.4	11.3	8.2	6.2	4.4	5.6	7.3	8.0	11.2	12.7	13.6	13.7	
Stocks, end of month	do		16.3	16.7	12.8	10.4	11.9	14.4	15.8	18.1	21.3	22.3	22.0	20.2	17.8	15.4	
Liquefied petroleum gases:																	
Production	do		6.4	14.7	4.4	4.2	5.0	5.0	4.7	5.2	4.8	5.2	5.1	5.1	4.9		
Transfers from gasoline plants	do		14.9	14.9	12.1	13.5	16.5	23.3	22.1	17.1	15.0	12.3	11.5	11.4	12.8	14.0	
Stocks (at plants, terminals, underground, and at refineries), end of mo.	. . . . .	mil. bbl.	33.6	30.2	41.2	41.8	39.4	30.3	24.3	22.9	25.4	29.4	34.9	39.5	42.3	43.9	
Asphalt and tar products, shipments:																	
Asphalt roofing, total	. . . . .	thous. squares	5,367	5,372	6,419	7,114	4,604	3,103	3,134	4,521	4,705	5,719	6,921	7,586	7,870	7,212	7,387
Roll roofing and cap sheet	do		1,913	2,009	2,450	2,764	1,810	1,214	1,213	1,610	1,777	2,042	2,389	2,545	2,819	2,725	2,805
Shingles, all types	do		3,454	3,363	3,969	4,350	2,794	1,888	1,920	2,911	2,928	3,677	4,532	5,041	4,487	4,582	
Asphalt siding	do		67	66	81	102	85	52	43	60	48	50	49	55	65	64	
Insulated siding	do		77	70	93	102	56	37	31	36	44	57	65	75	74	75	
Saturated felts	. . . . .	thous. sh. tons	82	82	83	98	74	60	67	88	78	74	82	95	99	97	90

### PULP, PAPER, AND PAPER PRODUCTS

#### PULPWOOD AND WASTE PAPER

Pulpwood:																	
Receipts	. . . . .	thous. cords (128 cu. ft.)	3,668	3,835	3,945	4,335	3,821	3,495	4,030	4,175	4,157	3,843	3,992	4,120	4,186	4,254	
Consumption	do		3,673	3,870	3,754	4,102	3,975	3,626	4,055	3,906	4,126	4,119	4,213	3,952	3,898	4,151	
Stocks, end of month	do		5,225	5,124	5,118	5,353	5,116	4,976	4,936	4,981	4,987	4,690	4,428	4,478	4,660	4,620	
Waste paper:																	
Consumption	. . . . .	thous. sh. tons	756	796	737	797	710	668	741	748	799	821	803	795	686	827	
Stocks, end of month	do		498	501	494	506	465	514	490	477	470	476	468	467	485	476	

#### WOODPULP

Production:																	
Total, all grades	. . . . .	thous. sh. tons	2,326	2,510	2,390	2,631	2,593	2,283	2,605	2,530	2,667	2,706	2,821	2,608	2,509	2,769	
Dissolving and special alpha	do		106	114	106	124	120	97	138	125	127	106	129	132	107	124	
Sulfate	do		1,368	1,495	1,416	1,555	1,551	1,357	1,528	1,608	1,634	1,729	1,543	1,545	1,688	1,688	
Sulfite	do		214	224	211	242	230	229	231	224	242	246	241	223	211	234	
Groundwood	do		283	289	280	310	308	280	327	304	320	330	335	324	300	337	
Defibrated or exploded	do		104	136	124	125	124	106	124	127	129	129	131	127	123	128	
Soda, semichem., screenings, etc.	do		261	252	253	274	261	215	257	241	241	260	256	260	222	258	
Stocks, end of month:																	
Total, all mills	do		878	713	706	707	731	717	739	745	759	747	771	762	759	777	
Pulp mills	do		297	263	243	246	264	235	266	271	265	286	278	273	293		
Paper and board mills	do		509	372	381	384	394	408	396	399	403	387	394	389	392	394	
Nonpaper mills	do		72	78	82	77	73	75	78	80	84	94	90	95	93	90	

Exports, all grades, total	do		99	118	128	116	106	142	132	120	139	138	143	127	141	134
Dissolving and special alpha	do		40	44	55	41	38	49	43	42	55	46	55	40	62	55
All other	do		59	75	73	76	68	93	89	78	83	92	88	87	79	79
Imports, all grades, total	do		232	231	220	258	225	236	235	224	265	228	225	256	227	261

Dissolving and special alpha	do		23	22	16	23	19	22	2
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Unless otherwise stated, statistics through 1962  
and descriptive notes are shown in the 1963  
edition of BUSINESS STATISTICS

	1962	1963	1963				1964								
	Monthly average	Sept.	Oct.	Nov.	Dec.		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.

### PULP, PAPER, AND PAPER PRODUCTS—Continued

#### PAPER AND PAPER PRODUCTS—Con.

Paper and board—Continued															
New orders (American Paper and Pulp Assoc.):															
All grades, paper and board...thous. sh. tons..	3,131	3,268	3,308	3,523	3,193	2,913	3,458	3,298	3,499	3,565	3,525	3,481	3,384	—	—
Wholesale price indexes:															
Printing paper.....1957-59=100..	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4
Book paper, A grade.....do.....	107.6	107.4	107.4	107.4	107.4	107.4	107.4	107.4	109.0	109.9	109.9	109.9	109.9	109.9	109.9
Paperboard.....do.....	98.1	94.7	94.1	96.6	96.6	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.4	96.4
Building paper and board.....do.....	97.2	96.2	97.6	96.9	95.1	95.2	95.0	93.7	93.5	94.4	94.4	94.2	93.9	94.3	—
Selected types of paper (APPA):†															
Fine paper:															
Orders, new.....thous. sh. tons..	166	174	171	192	173	157	185	184	184	197	190	187	185	187	—
Orders, unfilled, end of month.....do.....	88	99	103	108	100	90	85	93	83	92	88	89	97	95	—
Production.....do.....	170	177	177	190	190	169	187	183	191	195	191	189	169	190	—
Shipments.....do.....	168	174	170	179	179	153	183	187	188	191	190	196	176	190	—
Printing paper:															
Orders, new.....do.....	412	454	472	484	443	414	499	449	497	483	487	482	466	483	—
Orders, unfilled, end of month.....do.....	370	394	410	394	378	375	383	368	397	391	401	398	412	409	—
Production.....do.....	409	445	439	478	457	426	481	446	467	475	478	473	444	483	—
Shipments.....do.....	409	445	439	478	456	425	481	446	467	475	478	473	444	483	—
Coarse paper:															
Orders, new.....do.....	346	355	366	383	364	329	370	360	372	365	349	342	356	392	—
Orders, unfilled, end of month.....do.....	154	164	182	185	180	154	160	167	161	145	139	143	160	173	—
Production.....do.....	350	353	340	373	377	339	370	362	369	373	361	341	335	380	—
Shipments.....do.....	343	350	356	366	370	341	369	354	373	372	354	336	339	374	—
Newsprint:															
Canada:															
Production.....do.....	558	553	551	630	613	535	564	549	566	625	610	610	617	637	605
Shipments from mills.....do.....	557	552	580	638	611	578	533	491	540	664	594	652	620	634	628
Stocks at mills, end of month.....do.....	249	268	235	227	229	186	217	275	301	261	277	240	237	239	215
United States:															
Production.....do.....	179	185	164	194	190	180	198	174	190	192	201	194	174	200	181
Shipments from mills.....do.....	180	184	172	193	189	184	189	186	193	197	192	192	182	194	188
Stocks at mills, end of month.....do.....	39	37	36	37	38	34	43	32	29	24	32	34	27	33	26
Consumption by publishers'.....do.....	465	465	490	529	524	522	455	452	518	528	550	496	453	472	491
Stocks at and in transit to publishers, end of month.....thous. sh. tons..	586	588	606	588	559	545	569	572	550	541	511	529	562	591	608
Imports.....do.....	456	451	455	522	463	536	444	409	473	475	470	513	515	492	506
Price, rolls, contract, f.o.b. mill, freight allowed or delivered.....\$ per sh. ton..	134.40	134.40	134.40	134.40	134.40	134.40	134.40	134.40	134.40	134.40	134.40	134.40	134.40	134.40	134.40
Paperboard (National Paperboard Assoc.):§															
Orders, new (weekly avg.).....thous. sh. tons..	1,340	1,357	363	385	357	316	363	387	381	387	399	395	361	400	385
Orders, unfilled, end of month.....do.....	461	518	611	622	545	494	537	538	532	519	565	587	624	610	606
Production, total (weekly avg.).....do.....	1,343	1,358	355	387	373	325	349	386	384	386	391	390	351	403	388
Percent of activity (based on 6.5-day week).....	85	87	86	92	90	75	88	91	92	90	90	81	93	89	94
Paper products:															
Shipping containers, corrugated and solid fiber, shipments.....mil. sq. ft. surf. area..	10,182	10,711	10,848	12,482	10,649	9,870	10,833	10,460	11,039	11,520	11,399	11,284	11,198	11,697	12,232
Folding paper boxes, shipments, index of physical volume.....1947-49=100..	124.1	126.1	129.6	141.7	119.8	130.8	124.4	114.7	123.3	127.2	121.0	131.5	119.7	125.5	13,219

### RUBBER AND RUBBER PRODUCTS

RUBBER															
Natural rubber:															
Consumption.....thous. lg. tons..	38.56	38.10	36.31	42.59	35.29	35.75	39.59	36.66	39.80	40.68	39.36	41.37	35.09	41.10	44.22
Stocks, end of month.....do.....	68.47	72.70	68.88	64.30	61.32	60.58	62.44	64.34	64.97	64.74	69.08	67.14	75.39	82.85	81.16
Imports, incl. latex and guayule.....do.....	35.13	31.63	26.24	30.58	27.09	28.61	38.78	26.30	41.75	28.79	44.07	31.24	40.51	39.04	37.20
Price, wholesale, smoked sheets (N.Y.).....\$ per lb..	2.285	2.263	.230	.255	.258	.240	.235	.236	.256	.259	.254	.251	.246	.245	.261
Synthetic rubber:															
Production.....thous. lg. tons..	131.20	134.04	124.59	129.86	134.81	141.05	143.59	140.18	146.22	150.31	146.94	137.99	144.63	144.81	—
Consumption.....do.....	104.66	108.90	105.70	127.89	109.26	107.54	120.74	111.12	116.69	118.49	123.71	104.16	119.44	128.98	—
Stocks, end of month.....do.....	257.15	281.05	292.20	275.28	275.28	283.01	279.51	283.20	285.88	285.19	293.17	293.02	300.31	298.15	287.58
Exports.....do.....	25.31	23.60	21.33	22.51	22.90	24.86	24.00	28.80	27.05	27.85	24.66	24.98	25.60	26.52	30.45
Reclaimed rubber:															
Production.....do.....	23.38	23.45	22.42	26.00	21.25	22.17	25.11	21.75	24.03	24.50	23.96	25.22	20.21	20.56	23.00
Consumption.....do.....	21.95	21.97	21.65	25.06	20.65	20.15	22.99	20.75	22.59	24.20	23.10	22.30	19.02	20.95	22.48
Stocks, end of month.....do.....	29.77	30.30	31.35	30.88	29.78	31.19	31.47	30.51	30.37	30.42	29.76	30.92	32.35	30.25	31.07
TIRES AND TUBES															
Pneumatic casings:															
Production.....thous..	11,156	11,594	10,540	13,469	11,502	11,496	12,681	11,835	12,563	13,331	13,214	14,041	11,509	13,234	14,355
Shipments, total.....do.....	11,055	11,551	11,249	14,021	10,746	10,491	12,640	10,406	11,996	14,117	13,576	14,517	12,398	11,378	14,090
Original equipment.....do.....	3,495	3,919	3,574	5,163	4,366	4,470	4,337	4,067	4,402	4,854	4,542	4,652	2,810	2,340	4,121
Replacement equipment.....do.....	7,430	7,503	7,559	8,700	6,263	5,888	8,194	6,209	7,478	9,130	8,907	9,718	9,423	8,867	9,729
Export.....do.....	130	129	117	158	117	134	110	130	116	133	126	146	164	171	241
Stocks, end of month.....do.....	27,086	29,978	27,821	27,469	28,272	29,407	29,544	31,090	31,658	31,091	31,011	30,644	29,968	31,979	32,495
Exports (Bu. of Census).....do.....	89	82	78	86	82	73	77	85	78	92	106	105	160	148	201
Inner tubes:															
Production.....do.....	3,403	3,305	2,860	3,408	2,827	3,138	3,914	3,673	3,837	3,956	3,591	3,699	3,010	3,364	3,439
Shipments.....do.....	3,442	3,398	3,121	3,506	2,958	2,709	5,415	3,613	3,381	3,392	3,117	3,475	3,270	3,404	3,448
Stocks, end of month.....do.....	8,913	9,462	9,181	9,155	9,088	9,529	8,201	8,424	9,020	9,587	10,172	10,471	10,135	10,195	10,439

Unless otherwise stated, statistics through 1962 and descriptive notes are shown in the 1963 edition of BUSINESS STATISTICS

	1962	1963	1963				1964										
	Monthly average		Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
<b>STONE, CLAY, AND GLASS PRODUCTS</b>																	
<b>PORLAND CEMENT</b>																	
Production, finished cement.....	thous. bbl.	28,027	29,441	34,682	36,624	30,377	23,993	18,931	19,729	24,697	29,493	34,417	36,185	37,220	37,700	35,834	
Percent of capacity.....		75	74	88	90	77	59	46	51	61	75	84	92	91	92	93	
Shipments, finished cement.....	thous. bbl.	27,893	29,354	36,547	41,352	26,317	16,958	17,425	17,597	22,722	29,178	35,511	38,750	40,678	39,496	38,008	
Stocks, end of month:																	
Finished.....	do	36,720	38,029	33,236	28,485	32,491	39,556	41,047	43,181	45,152	45,462	44,425	41,894	38,467	36,671	34,631	
Clinker.....	do	24,160	23,081	17,400	13,631	13,820	16,793	21,741	25,610	29,242	30,667	29,580	27,065	24,249	20,628	18,322	
<b>CLAY CONSTRUCTION PRODUCTS</b>																	
Shipments:																	
Brick, unglazed (common and face)																	
mill. standard brick.....		576.1	617.1	684.3	776.7	620.4	431.1	424.1	446.5	590.8	679.3	739.6	771.6	765.9			
Structural tile, except facing.....	thous. sh. tons.	35.2	32.0	30.9	34.1	26.2	23.4	27.1	25.1	29.6	31.7	32.6	32.8	31.3			
Sewer pipe and fittings.....	do	142.8	145.6	171.1	186.4	135.1	94.8	93.4	101.3	137.5	151.8	166.1	184.5	189.8			
Facing tile (hollow), glazed and unglazed																	
mill. brick equivalent.....		33.6	29.7	29.7	35.7	29.2	25.8	22.8	21.9	26.4	27.8	25.2	30.2	32.6			
Floor and wall tile and accessories, glazed and unglazed																	
mill. sq. ft.....		21.1	22.2	22.8	25.3	21.5	19.1	21.2	20.8	24.8	25.5	23.9	25.5	25.3			
Price index, brick (common), f.o.b. plant or N.Y. dock.....	1957-59=100	104.9	106.1	105.8	105.9	106.1	106.1	107.1	107.1	107.3	107.3	107.1	106.7	106.9	107.2		
<b>GLASS AND GLASS PRODUCTS</b>																	
Flat glass, mfrs.' shipments (qtrly. average or total)																	
thous. \$.....		71,497	78,274	80,857			89,298										
Sheet (window) glass, shipments.....	do	31,612	35,370	38,766			41,314										
Plate and other flat glass, shipments.....	do	39,885	42,904	42,091			47,984										
Glass containers:																	
Production.....	thous. gross.....	14,655	15,166	14,803	15,677	14,271	12,712	14,424	14,704	15,877	16,391	16,776	17,652	17,004	17,958	15,295	
Shipments, domestic, total.....	do	14,319	14,730	14,805	15,497	13,283	13,382	13,714	13,397	15,377	16,514	15,283	16,967	16,301	17,447	16,896	
General-use food:																	
Narrow-neck food.....	do	1,582	1,602	2,765	1,838	1,186	1,204	1,331	1,294	1,508	1,642	1,367	1,455	2,105	2,652	3,027	
Wide-mouth food (incl. packers' tumblers, jelly glasses, and fruit jars).....	thous. gross.....	4,110	4,100	4,124	4,633	3,847	3,848	4,181	4,034	4,134	3,911	4,040	4,355	4,096	4,656	4,751	
Beverage.....	do	1,187	1,350	858	921	959	1,382	845	987	1,422	1,700	2,105	2,359	2,027	1,324	1,101	
Beer bottles.....	do	2,184	2,453	1,971	2,157	2,101	2,286	2,054	2,137	2,683	3,542	2,822	3,543	3,669	3,318	2,622	
Liquor and wine.....	do	1,269	1,295	1,337	1,643	1,323	1,226	1,286	1,293	1,413	1,392	1,379	1,425	1,094	1,357	1,525	
Medicinal and toilet.....	do	3,066	3,061	2,933	3,401	3,095	2,704	3,263	2,956	3,364	3,490	2,890	3,089	2,647	3,369	3,117	
Chemical, household and industrial.....	do	786	742	679	765	648	584	639	602	751	699	590	637	553	639	605	
Dairy products.....	do	134	127	138	139	124	148	115	94	102	138	90	104	110	132	148	
Stocks, end of month.....	do	22,021	25,533	25,151	25,564	26,315	25,540	26,067	25,893	26,136	25,633	26,948	27,294	27,570	27,672	25,648	
<b>GYPSUM AND PRODUCTS</b>																	
Crude gypsum, qtrly. avg. or total:																	
Imports.....	thous. sh. tons.....	1,355	1,372	1,566			1,375										
Production.....	do	2,492	2,561	2,902			2,425										
Calcined, production, qtrly. avg. or total.....	do	2,205	2,295	2,518			2,226										
Gypsum products sold or used, qtrly. avg. or total:																	
Uncalced uses.....	thous. sh. tons.....	1,012	1,035	1,263			947										
Industrial uses.....	do	67	70	70			69										
Building uses:																	
Plasters:																	
Base-coat.....	do	256	259	284			232										
All other (incl. Keene's cement).....	do	257	250	289			240										
Lath.....	mil. sq. ft.....	396.2	387.3	437.0			365.0										
Wallboard.....	do	1,657.9	1,777.4	1,994.8			1,730.1										
All other.....	do	58.9	62.0	69.0			60.9										

**TEXTILE PRODUCTS**

<b>WOVEN FABRICS</b>																	
Woven fabrics (gray goods), weaving mills: <sup>a</sup>																	
Cloth woven, total.....	mil. linear yd.....	975.5	981.9	930.8	1,179.7	957.0	887.1	1,893.8	741.3	733.0	1,898.5	729.1	729.4	1,725.8	724.8		
Cotton.....	do	760.2	756.9	719.1	1,915.3	736.3	684.2										
Stocks, end of year or mo., total.....	do	1,488.0	1,509.3	1,505.0	1,475.7	1,494.5	1,564.0										
Cotton.....	do	1,192.5	1,176.7	1,164.0	11,149.9	1,168.0	1,235.6	11,157.1	1,131.4	1,116.5	1,081.4	1,087.1	1,071.8	11,066.1	11,076.0		
Orders (unfilled), end of year or mo., total <sup>b</sup> .....	do	2,472.3	2,491.5	2,546.1	12,827.9	2,968.9	2,892.8										
Cotton <sup>c</sup> .....	do	1,848.9	1,800.8	1,848.8	12,023.4	2,127.1	2,084.8	11,882.5	1,797.4	1,682.2	11,555.8	1,624.8	1,700.2	11,909.8	2,064.6		
<b>COTTON</b>																	
Cotton (exclusive of linters):																	
Production:																	
Ginnings <sup>d</sup> .....	thous. running bales.....	14,864	215,283	4,789	10,062	12,820	14,070	15,117									
Crop estimate, equivalent 500-lb. bales	thous. bales.....	14,867	215,327														
Consumption <sup>e</sup> .....	do	726	700	663	1,829	678	605	1,814	683	673	1,831	687	683	1,741	712	702	
Stocks in the United States, end of mo., total <sup>f</sup> .....	thous. bales.....	14,696	17,796	24,405	23,328	22,068	20,861	19,462	18,225	17,079	15,866	14,816	13,813	12,383	26,344	25,974	
Domestic cotton, total <sup>f</sup> .....	do	14,593	17,669	24,258	23,175	21,920	20,710	19,323	18,095	16,961	15,760	14,721	13,733	12,311	26,209	25,840	
On farms and in transit.....	do	3,371	3,548	11,590	6,916	4,163	2,045	1,168	885	581	577	520	528	270	14,264	12,646	
Public storage and compresses <sup>f</sup> .....	do	9,564	12,762	11,688	15,209	16,510	17,260	16,557	15,539	14,664	13,582	12,750	11,933	10,916	11,058	12,341	
Consuming establishments.....	do	1,658	1,359	981	1,050	1,245	1,405	1,598	1,672	1,716	1,601	1,451	1,272	1,125	887	853	
Foreign cotton, total <sup>f</sup> .....	do	103	128	147	153	149	151	139	130	118	106	95	80	72	135	134	

<sup>a</sup> Revised. <sup>b</sup> Data cover 5 weeks; other months, 4 weeks. <sup>c</sup> Total crop for year.

<sup>d</sup> Ginnings to Dec. 13. <sup>e</sup> Ginnings to Jan. 16. <sup>f</sup> Nov. 1 estimate of 1964 crop.

<sup>g</sup> Comprises sheathing, formboard, and laminated board.

<sup>h</sup> Effective Jan. 1964, the manmade fabrics classifications were revised and the survey expanded to include drapery fabrics; silk and chiefly silk mixtures were omitted from the canvass. Because of apparent reporting problems in the synthetics, data for total fabrics are being withheld; Aug. 1964 figures for wool apparel fabrics (mil. yd.) Woven, 19.1; stocks, 25.1.

<sup>a</sup> Stocks are those owned by weaving mills and those billed and held for others, except that stocks exclude denim stocks billed and held for others, and all bedsheeting stocks.

<sup>b</sup> Excludes orders for wool apparel fabrics and bedsheeting. <sup>c</sup> Total ginnings to end of month indicated, except as noted. <sup>d</sup> Revisions for Aug. 1962-June 1963 are available; for stocks, monthly averages also reflect cotton released by GSA from the cotton stockpile (beginning July 1962).

<sup>1</sup> Revised. <sup>2</sup> Preliminary. <sup>3</sup> For month shown. <sup>4</sup> Orally reported.

4 weeks. <sup>3</sup> For month shown. <sup>4</sup> Qrtly. average.  
© Revisions for Jan. 1962-June 1963 are available.

Revisions for Jan. 1962-June 1963 are available.  
† Production and stocks of linters at oil mills revised.

back to Aug. 1958 are available. Beginning Aug. 1 pound cotton equalization payments made to dom-

pound cotton equalization payments made to domes  
cotton opened beginning 4/11/64; note that the Apr -Jul

cotton opened beginning 4/11/64; note that the Apr.-Jul.

NP-4      5      10      15      20

<sup>2</sup> Data cover 5 weeks; other months,

<sup>a</sup> Includes data not shown separately.

<sup>2</sup> Includes data not shown separately.  
<sup>3</sup> to approximate running bales; data

In 1964, margins reflect the 6.5 cents per

ic cotton users on all bales of eligible  
1964 margins exclude these payments.

1964 margins exclude these payments.

Affection. In 1964, I began to study the possible influence of

$\Delta$  Effective Jan. 1964, data not strictly comp.  
† See corresponding note, bottom of p. S-49.

\*New series. See corresponding note in the

New series. See corresponding note in the 1959 are available.

⊕ Beginning July 1964 index, yarn specifica-  
tions to *knitter's* "

turer to knitter."

Unless otherwise stated, statistics through 1962 and descriptive notes are shown in the 1963 edition of BUSINESS STATISTICS	1962	1963	1963				1964									
	Monthly average		Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>TEXTILE PRODUCTS—Continued</b>																
<b>APPAREL</b>																
Hosiery, shipments.....	thous. doz. pairs..	14,343	15,007	15,194	17,584	14,331	13,399	16,350	15,411	15,423	14,763	13,892	16,544	15,174	16,661	16,896
Men's apparel, cuttings: †																
Tailored garments:																
Suits.....	thous. units..	1,685	1,799	1,589	2,011	1,787	1,677	1,934	1,771	1,664	1,929	1,724	1,757	1,156	1,893	
Overcoats and topcoats.....	do.....	401	329	343	316	231	158	189	209	225	309	384	390	311	407	
Coats (separate), dress and sport.....	do.....	943	1,054	882	1,218	1,022	967	1,169	1,030	1,021	1,173	1,116	1,024	659	993	
Trousers (separate), dress and sport.....	do.....	9,527	9,120	8,843	9,480	8,383	7,384	9,560	9,587	9,698	10,672	10,847	11,354	9,947	11,360	
Shirts (woven fabrics), dress and sport. thous. doz.		2,061	2,071	1,918	2,276	2,100	1,853	2,138	2,101	2,020	2,118	2,098	1,975	1,730	2,028	
Work clothing:																
Dungarees and waistband overalls.....	do.....	281	366	410	475	373	325	402	424	433	444	425	415	379	403	
Shirts.....	do.....	303	313	311	341	307	219	336	325	319	339	306	304	268	318	
Women's, misses', juniors' outerwear, cuttings: †																
Coats.....	thous. units..	2,002	2,046	2,440	2,529	2,001	1,727	2,247	2,445	1,588	1,032	1,541	2,135	2,408	2,521	
Dresses.....	do.....	20,880	21,914	18,874	22,353	18,933	15,915	21,920	24,866	28,149	29,943	25,545	22,958	19,918	20,338	
Suits.....	do.....	806	828	636	858	796	770	1,259	1,362	868	584	628	909	1,008	927	
Blouses, waists, and shirts.....	thous. doz..	1,370	1,363	1,263	1,640	1,351	1,041	1,408	1,500	1,442	1,471	1,250	1,354	1,274	1,328	
Skirts.....	do.....	656	825	804	978	690	607	741	776	758	825	844	923	900	875	

## **TRANSPORTATION EQUIPMENT**

AEROSPACE VEHICLES														
Orders, new (net), qtrly. avg. or total.....	mil. \$	3,741	4,414	5,194				3,656			4,899		4,580	
U.S. Government.....	do	2,996	3,519	4,003				2,758			3,863		3,396	
Prime contract.....	do	3,330	4,018	4,680				3,263			4,443		4,192	
Sales (net), receipts or billings, qtrly. avg. or total.....	mil. \$	3,993	4,102	4,170				4,257			4,098		4,345	
U.S. Government.....	do	3,138	3,301	3,418				3,398			3,144		3,365	
Backlog of orders, end of year or qtr. ♀.....	do	13,138	13,919	14,522				13,919			14,705		14,940	
U.S. Government.....	do	10,572	10,953	11,579				10,953			11,665		11,696	
Aircraft (complete) and parts.....	do	5,045	5,301	5,345				5,301			5,879		6,180	
Engines (aircraft) and parts.....	do	1,527	1,510	1,484				1,510			1,383		1,342	
Missiles, space vehicle systems, engines, pro- pulsion units, and parts.....	mil. \$	4,056	4,661	5,151				4,661			4,809		4,826	
Other related operations (conversions, modifica- tions), products, services.....	mil. \$	1,480	1,295	1,365				1,295			1,403		1,326	
Aircraft (civilian): Shipments ⊕.....	do	81.8	57.2	58.4	63.3	52.8	88.1	84.6	66.5	96.7	114.6	92.3	96.0	71.4
Airframe weight ⊕.thous. lb.	1,682	1,340	1,199	1,380	1,306	2,045	1,815	1,567	2,011	2,297	1,997	2,091	1,631	1,748
Exports.....	mil. \$	27.3	20.3	13.2	11.6	20.9	15.4	41.8	17.9	25.0	33.4	24.0	19.8	24.9
MOTOR VEHICLES														
Factory sales, total.....	thous.	681.1	758.4	598.8	945.7	873.3	881.8	859.6	814.1	860.5	939.9	875.7	893.2	691.4
Domestic.....	do	654.6	730.0	566.1	906.2	836.8	846.4	831.5	784.8	829.3	909.3	845.1	862.6	670.3
Passenger cars, total.....	do	577.8	636.5	481.8	804.0	748.5	754.0	726.2	681.1	730.0	786.4	735.0	740.6	570.3
Domestic.....	do	562.8	620.3	463.0	779.2	726.2	733.0	709.0	665.4	700.9	770.2	719.5	726.7	562.2
Trucks and buses, total.....	do	103.3	121.9	117.0	141.7	124.7	127.8	133.5	133.1	142.5	153.5	140.7	152.5	121.1
Domestic.....	do	91.9	109.7	103.1	127.0	110.6	113.5	122.5	119.4	128.4	139.1	125.6	136.0	108.1
Exports, total.....	number	20,100	22,928	17,142	27,970	42,056	34,607	33,829	27,606	23,857	22,407	27,769	34,681	22,032
Passenger cars (new and used).....	do	11,246	12,851	8,294	14,998	29,066	24,799	20,274	13,995	11,992	12,031	13,166	18,956	10,677
Trucks and buses.....	do	8,855	10,076	8,848	12,972	12,990	9,808	13,555	13,611	11,925	10,376	14,603	15,695	11,355
Imports (cars, trucks, buses), total♂.....	do	33,080	36,534	32,350	38,835	39,086	40,952	45,588	38,426	47,238	46,404	41,211	47,015	47,172
Passenger cars (new and used)♂.....	do	32,065	35,308	31,019	36,834	38,504	40,037	44,330	38,243	46,368	45,950	40,808	46,481	46,812
Shipments, truck trailers: △														
Complete trailers and chassis.....	do	6,081	6,465	6,404	7,434	6,590	6,503	6,135	5,910	7,184	8,141	7,991	8,185	7,888
Vans.....	do	3,733	3,885	3,736	4,566	4,311	4,139	3,802	3,609	4,246	4,745	4,562	4,614	4,538
Trailers and chassis (detachable), sold separately	number	537	445	285	365	427	459	342	289	515	607	623	627	651
Registrations: ⊕														
New passenger cars.....	thous.	578.2	629.7	403.6	714.7	640.2	712.0	612.0	551.8	636.9	812.3	780.6	754.3	724.2
Foreign cars.....	do	28.3	32.1	33.7	32.2	26.4	35.8	35.4	29.8	35.8	45.0	41.3	42.5	44.2
New commercial cars (trucks).....	do	89.1	103.7	93.5	117.1	100.4	114.6	102.7	90.9	108.3	132.5	124.3	122.4	123.0
RAILROAD EQUIPMENT														
Freight cars (ARCI):														
Shipments.....	number	3,046	3,747	4,327	4,725	3,911	4,442	5,253	5,467	6,780	6,520	6,931	6,759	5,258
Equipment manufacturers, total.....	do	1,962	2,608	2,984	3,366	2,925	3,087	3,299	3,674	4,336	3,531	3,947	4,190	4,055
Railroad shops, domestic.....	do	1,085	1,140	1,343	1,359	986	1,355	1,954	1,793	2,444	2,998	2,984	2,569	1,203
New orders.....	do	3,076	5,097	2,319	8,066	8,273	9,827	10,552	3,701	7,040	2,796	6,943	4,593	4,644
Equipment manufacturers, total.....	do	1,979	3,665	1,921	3,637	6,673	7,868	3,441	3,172	5,454	2,496	4,894	3,554	3,627
Railroad shops, domestic.....	do	1,097	1,432	398	4,429	1,600	1,959	7,111	529	1,586	300	2,049	1,039	1,017
Unfilled orders, end of year or mo.....	do	14,315	22,183	18,388	22,196	26,611	32,311	37,836	36,080	36,922	34,690	33,410	30,631	28,618
Equipment manufacturers, total.....	do	6,788	12,645	11,188	11,626	15,425	20,161	20,291	19,789	20,960	19,930	21,084	20,383	19,757
Railroad shops, domestic.....	do	7,527	9,538	7,200	10,570	11,186	12,150	17,545	16,291	15,962	14,760	12,326	10,248	8,861
Passenger cars: Shipments.....	do	23	16	42	35	24	14	5	5	5	5	6	15	21
Unfilled orders, end of mo.....	do	174	198	220	202	178	317	352	387	382	377	371	356	333
Freight cars, class 1 (AAR): \$														
Number owned, end of year or mo.....	thous.	1,552	1,515	1,527	1,521	1,519	1,515	1,513	1,507	1,505	1,503	1,502	1,501	1,499
Help for repairs, % of total owned.....	do	8.0	6.8	7.7	7.1	7.0	6.8	6.5	6.3	6.3	6.2	6.1	6.0	6.0

Revised. 1 Preliminary estimate of production

<sup>†</sup> Revised. <sup>‡</sup> Preliminary estimate of production.  
<sup>†</sup> Monthly revisions for Jan. 1961-Oct. 1962 are available upon request.

\* Total includes backlog for nonrelated products and services and basic research.

<sup>④</sup>Data include military-type planes shipped to foreign governments.  
<sup>⑤</sup>Data cover complete units, chassis, and bodies.

Data cover complete units, chassis, and bodies.  
 Effective with the Apr. 1964 SURVEY, shipments have been substi-

**Effective with the Apr. 1964 SURVEY, shipments have been substituted for production. Shipments of trailer chassis only and dump trailer chassis, sold separately, are now included with the complete trailers and chassis (except detachable). Data back to 1958 are available.**

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§Excludes railroad-owned private refrigerator cars and priv.

<sup>1</sup>Includes railroad-owned private refrigerator cars and private line cars.

NOTE FOR MANMADE FIBER FABRICS, P. S-39. Effective 1st qtr. 1964, data reflect revised fabric classifications. The difference between total production and the sum of data for filament, spun, and mixed yarn fabrics shown separately (p. S-39) covers upholstery, blanketng, silk, paper, and other specialty fabrics. The difference between the total for 100% filament yarn and the components shown, covers all other filament yarn goods, including glass fiber and polyester fiber fabrics. Earlier data comparable with the detail shown are not available. Figures for 1st qtr. 1964 reported under the new classification system and recoded to the old are summarized for comparison with data shown in the Aug 1964 and earlier issues of the SURVEY as follows (mil. yd.): Total, 840.5; rayon, 485.2; nylon 79.1; polyester, 204.0; silk, 4.3.

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