

JANUARY 1948

SURVEY OF

CURRENT BUSINESS



UNITED STATES DEPARTMENT OF COMMERCE

BUREAU OF FOREIGN AND DOMESTIC COMMERCE

Survey of

CURRENT BUSINESS

VOLUME 28, No. 1

JANUARY 1948

(Statutory Functions: "The Bureau of Foreign and Domestic Commerce . . . to foster, promote, and develop the foreign and domestic commerce of the United States." [Law creating the Bureau Aug. 23, 1912 [37 Stat. 408].])

Contents

	Page
THE BUSINESS SITUATION.....	1
Corporate Sales and Profits in the Third Quarter.....	5
Plant and Equipment Expenditures of United States Business.....	6
Revised Estimates of Retail Trade, 1946-47.....	7
FOOD CONSUMPTION, EXPENDITURES, AND PRICES.	12
★	
STATISTICAL DATA:	
Monthly Business Statistics.....	S-1 to S-40
Statistical Index.....	Inside Back Cover

Classification of Statistical Sections

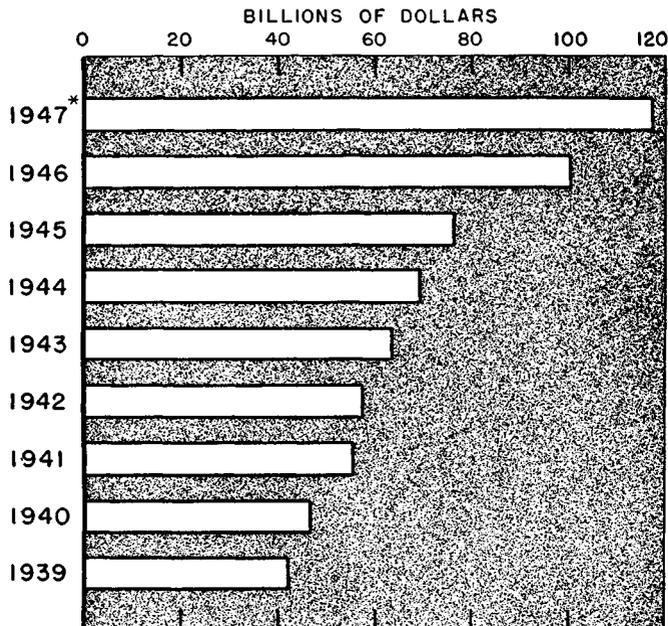
	Page
General business indicators.....	S-1
Business population.....	S-3
Commodity prices.....	S-4
Construction and real estate.....	S-5
Domestic trade.....	S-6
Employment conditions and wages.....	S-9
Finance.....	S-15
Foreign trade.....	S-20
Transportation and communications.....	S-22
Commodity sections:	
Chemicals and allied products.....	S-23
Electric power and gas.....	S-26
Foodstuffs and tobacco.....	S-26
Leather and products.....	S-30
Lumber and manufactures.....	S-31
Metals and manufactures:	
Iron and steel.....	S-32
Nonferrous metals and products.....	S-33
Machinery and apparatus.....	S-34
Paper and printing.....	S-35
Petroleum and coal products.....	S-36
Rubber and rubber products.....	S-37
Stone, clay, and glass products.....	S-38
Textile products.....	S-38
Transportation equipment.....	S-40

(Note—Contents of this publication are not copyrighted and may be reprinted freely. Mention of source will be appreciated.)

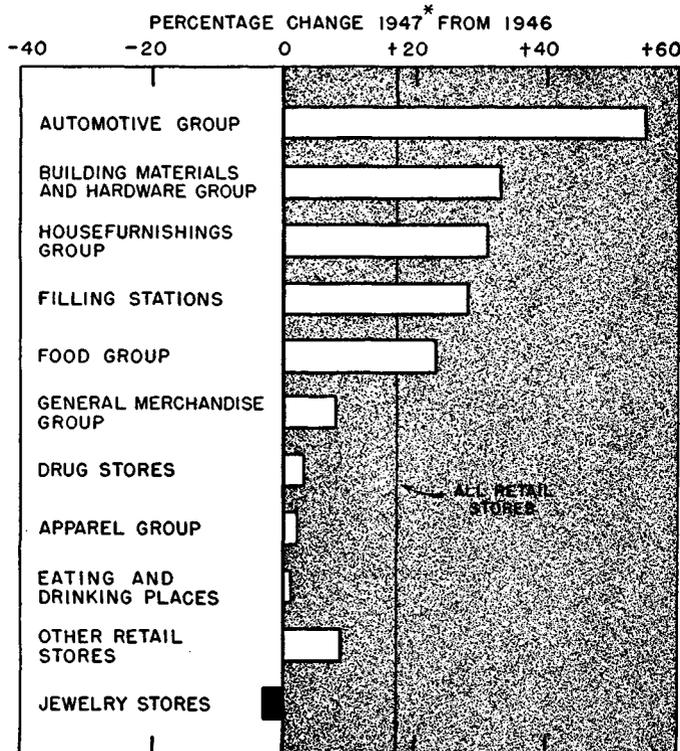


Published by the Department of Commerce, W. AVERELL HARRIMAN, *Secretary*—Office of Business Economics, M. JOSEPH MEEHAN, *Acting Director*. Subscription price, including weekly statistical supplement, \$3 a year; Foreign \$4. Single copies, 25 cents. Make remittances direct to the Superintendent of Documents, United States Government Printing Office, Washington 25, D. C.

RETAILERS DID MORE BUSINESS IN 1947 THAN IN ANY PREVIOUS YEAR.



AUTOMOTIVE STORES SCORED THE LARGEST GAIN FROM A YEAR AGO; JEWELRY-STORE SALES FELL BELOW THE 1946 TOTAL.



* INCLUDE ESTIMATES FOR DECEMBER 1947.
SOURCE OF DATA: U.S. DEPARTMENT OF COMMERCE, OFFICE OF BUSINESS ECONOMICS.

47-563

The Business Situation

By the
Office of Business Economics

The economy was operating at a sustained high rate of activity as 1947 closed. Notwithstanding the increase in the output of industrial goods that occurred in the late months of the year and a sustained flow of agricultural commodities to market, commodity prices maintained their upward trend under the pressure of demand from both foreign and domestic sources. Incomes flowed to both businesses and individuals in rising volume but spending continued at a rate which required further new credit extension as a supplementary source of funds. The influence of the foregoing and other factors combined to lift the gross national product above 240 billion dollars, at seasonally adjusted annual rates, in the closing months of the year.

Capital Outlays Increased

A development of importance in the money market during December was the lowering of the Government support price for longer term Federal bonds and the consequent rise of long term money rates. The rise that has occurred to date has been from the very low level to which rates were reduced in the war period. When the Government requirements for war finance were terminated, these low rates facilitated a tremendous outpouring of refinancing by business concerns at lower interest costs. Such refinancing was one of the features of financial markets in late 1945 and in early 1946.

The interest rate action was taken as a step toward limiting future credit expansion, while consideration is being given to more far-reaching proposals to restrict the availability of funds in a general market where both individuals and business concerns are endeavoring to secure for themselves a larger share of the available supply of goods. The results of such endeavors have been expressed in extensive price rises, and insofar as they have affected food expenditures are analyzed in detail in a special article of this issue. Markets for other consumer goods, as well as for capital equipment have similarly reacted to the pressure of funds on a relatively fixed supply of resources. Price advances in many sectors of capital goods—which are generally considered areas of relative price inflexibility—have moved over the past year more nearly parallel to the general upswing than was earlier true.

Though the general tendency during 1947 has been for more uniformity of movement, the price advances in the case of the relatively inflexible items of capital and other durable goods, as compared with prewar levels, has been less than average. However, some commodities used in capital formation, whose price classification is in the flexible group—notably building materials—have been in the forefront of the price advance both during the war and since.

The general buoyancy of capital outlays by business, together with the high pitch of business expectations of

which this is one manifestation, is reflected in the fourth quarter estimate of plant and equipment expenditures at an annual rate of 18 billion dollars. So far, the tightening of the capital market has not impeded such outlays, since financing required from external sources has been available on generally favorable terms though—as was pointed out in last month's issue—money market conditions have influenced the methods by which funds have been raised.

Consumer demand up to the year-end continued generally strong, notwithstanding rising prices. Inventory increases accelerated in the latter part of the year, not, however, by reason of consumer resistance to advancing prices, but rather because of real or anticipated shortages of particular items and because risks involved in higher inventories were considered to have been reduced by current developments.

Business inventories, together with new construction, have been the major segments of the rising trend among the capital formation items in recent months. The rise in inventories in quantity terms has been larger in the final quarter of 1947 than in the preceding two quarters, though not so great as the peak rate of accumulation in the second half of 1946.

In book value terms, which reflect the higher prices as well as the larger volume and without seasonal correction, the rate of increase in inventories in the three months through November was 1 billion dollars a month. This rise was partly seasonal, reflecting in trade channels the increased stocks incident to the Christmas trade.

Consumers Absorb More Goods at Rising Prices

On the basis of incomplete data for December, it is estimated that during the fourth quarter consumers spent about 172 billion dollars for goods and services at seasonally adjusted annual rates. For the year, the total approximated 165 billion dollars. Since most of these funds were spent over the counter, retail trade, as with other dollar aggregates, exceeded earlier totals, as is shown by the top panel of the chart on page 1. The lower panel shows at a glance a significant fact about last year's retail sales—consumers increased their expenditures on durable goods relatively much more than those on nondurables, though the increase for food ranked high. In a later section of this review, 1947 retail trade is reviewed by major segments.

Rise in Income Continued

Increased employment, particularly in manufacturing and trade, contributed to a billion dollar rise, after allowance for payment of veteran terminal leave bonds, in personal incomes in November from the seasonally adjusted annual rate of about 203 billion dollars on the same basis, in October. Income derived from the cashing of terminal leave bonds was one-tenth of the September figure.

Wage and salary payments in private nonagricultural industries rose more than two billion dollars during November, as employment in this sector again increased. In manufacturing industries, a slight decline in hours worked was more than compensated by an increase in hourly earnings, which pushed weekly earnings up to more than 51 dollars.

Farm Proprietors' Income

Another segment of personal income which continued, in the fourth quarter, to maintain unusually high levels was proprietors' income. Although details are not yet available for nonfarm proprietors, the basic facts underlying the further rise in farm proprietors' income are now at hand.

Cash farm income continued to advance in the final quarter of 1947 as marketing remained high and prices received by farmers rose further—averaging 5 percent higher than in the third quarter. Throughout the year cash farm income has been running about 3.6 times as high as the 1935-39 average, varying from 3.5 in the second and third quarter of the year to 3.7 times as high in the final quarter (table 1).

On the basis of estimates for the first 11 months of the year as compared with the same period of 1946, the greatest increase in cash income was from marketings of food grains where the increase was 65 percent. Not far behind were increases of 40 to 45 percent in meat animals and in cotton and of 35 percent in oil bearing crops. By and large, the higher income received reflected advancing prices, as the physical volume of marketings rose only 3 percent.

General Advance in Commodity Prices

Rising prices in December provided further emphasis to current inflationary developments. Nearly all segments of the price level continued to advance during the month, as the Bureau of Labor Statistics index of about 860 commodities in primary markets rose 2 percent in the 4 weeks ending December 27. An advance of nearly 4 percent marked the resumption of the upward farm price movement, which was retarded in the previous month by the seasonally heavy run of livestock. Aside from substantial declines in prices of fats and oils which have reacted with reduced export allocations and in the price of crude rubber, the movement of industrial prices has scored widespread advances which averaged more than 2 percent in last 4-week period of the year. An increase of \$0.50 per barrel for crude petroleum early in the month was followed by substantial advances in fuel oil and other petroleum products. Wholesale food prices maintained the high November level.

The temporary railroad freight rate increase of 10 percent granted in October was replaced by an interim 20 percent rise to be effective until June 30, 1948, when a final determination of rates will be made. This advance will have widespread price consequences.

Table 1.—Cash Farm Income

[Billions of dollars]

Period	Cash farm income including Government payments				Farm marketings and Commodity Credit Corporation loans								Government payments			
	Total				Crops				Livestock and livestock products				1935-39 average	1946	1947	Percent change 1947 from 1946
	1935-39 average	1946	1947	Percent change 1947 from 1946	1935-39 average	1946	1947	Percent change 1947 from 1946	1935-39 average	1946	1947	Percent change 1947 from 1946				
First quarter.....	1.73	4.68	6.26	+34	0.57	1.68	2.32	+38	1.01	2.76	3.79	+37	0.14	0.24	0.15	-39
Second quarter.....	1.79	4.67	6.21	+33	.50	1.40	1.96	+40	1.13	2.96	4.13	+39	.15	.31	.12	-60
Third quarter.....	2.34	7.13	8.24	+15	1.09	3.46	3.89	+12	1.17	3.47	4.32	+25	.08	.21	.03	-87
Fourth quarter.....	2.62	8.84	9.63	+9	1.26	4.31	4.96	+15	1.23	4.48	4.63	+3	.13	.05	.04	-13
Annual.....	8.48	25.32	30.34	+20	3.43	10.85	13.13	+21	4.55	13.67	16.87	+23	.50	.80	.34	-58

Source: Bureau of Agricultural Economics, U. S. Department of Agriculture.

Table 2.—Change in Wholesale Prices From Week Ending Dec. 28, 1946, to Week Ending Dec. 27, 1947

[Indexes 1926=100]

	Week ending		Percent change weeks ending Dec. 28, 1946-Dec. 27, 1947
	Dec. 28, 1946	Dec. 27, 1947	
All commodities.....	139.6	163.0	+16.8
Farm products.....	167.7	197.0	+17.5
Foods.....	159.1	177.8	+11.8
Commodities other than farm products and foods.....	123.9	146.0	+17.8
Hides and leather products.....	171.3	203.4	+18.7
Textile products.....	133.3	146.9	+10.2
Fuel and lighting materials.....	97.0	127.7	+31.6
Metals and metal products.....	133.9	152.0	+13.5
Building materials.....	154.6	189.1	+22.3
Chemical and allied products.....	126.1	133.0	+5.5
Housefurnishings.....	120.5	135.3	+12.3
Miscellaneous.....	107.7	121.5	+12.8

Source: Department of Labor, Bureau of Labor Statistics.

Year-to-Year Price Change

The most recent advances of wholesale prices have extended the over-all year-to-year increase to 17 percent from the last week in December 1946. See table 2. In the industrial price area which rose 18 percent on the average, the sharp climb of fuel prices has pulled up the fuel and lighting price group by 32 percent while prices of building materials rose 22 percent. The dispersion of the other major industrial price groups from the average advance was relatively small, except for the chemicals and allied product segment which rose only 6 percent during the year. Industrial prices rose more slowly than farm and food prices in 1946 but have kept pace with the latter in 1947.

Many individual commodity price advances, of course, have been far greater than those registered by the more sluggish movements of the commodity indexes. These are illustrated in table 3, which gives the price change over the year for key commodities.

Table 3.—Year-end Spot Primary Market Prices of Selected Commodities

	Dec. 31, 1946	Dec. 31, 1947
Wheat, per bushel, Kansas City.....	\$2.04	\$2.93
Corn, per bushel, Chicago.....	1.33	2.58
Butter, per pound, Chicago.....	.74	.88
Hogs, per hundredweight, Chicago.....	21.63	27.75
Steers, per hundredweight, Chicago.....	24.00	31.25
Coffee, per pound, New York.....	.27	.27
Rubber, per pound, New York.....	.23	.23
Hides, per pound, Chicago.....	.25	.32
Cottonseed oil, per pound, New York.....	.31	.30
Print cloth, per yard, New York.....	.19	.28
Wool tops, per pound, New York.....	1.60	1.89
Cotton, per pound, average 10 markets.....	.33	.36
Steel scrap, per ton, Chicago.....	31.00	39.00
Copper, per pound, New York.....	.19	.21
Lead, per pound, New York.....	.13	.15
Zinc, per pound, New York.....	.11	.11

Source: Department of Labor, Bureau of Labor Statistics.

Voluntary Anti-inflation Curbs Voted

Action on parts of the anti-inflation program was taken by the special session of Congress on December 19. The measure then passed provided for the extension of export and transportation controls for 1 year beyond next February 29 and the authorization of programs designed to conserve food and feed in this country and to stimulate food production abroad. The domestic conservation program is to include educational campaigns among farmers and the extension of power to limit use of grain by distillers until January 31 of this year. The act also provides for limited immunity from antitrust laws to permit voluntary agreements by industry with respect to priority allocations and

inventory control of scarce materials. After consultation with industry representatives, the Federal Government will authorize the agreement. No agreement may provide for the fixing of prices.

Industrial Production

With demand pressures sustaining a broad sellers' market, the increase in production—even though not large—is of primary significance. In the final months of the year, industrial output recovered to a volume, as measured by the Federal Reserve seasonally adjusted index, slightly above the first quarter level of 189. This was 6 percent higher than in the third quarter (see table 4). For the year 1947, the increase over the fourth quarter rate of 1946 was about 3 percent.

Larger Steel Output

In some industries, notably those most affected by reconversion, more continuous operations in 1947 were made possible by a larger and more balanced flow of materials and component parts. However, in some metal products industries, such as automobiles, refrigerators, and freight cars, output was limited and at times curtailed by the availability of raw material supplies, notably steel. This basic material remained in rather tight supply throughout the year despite a record peacetime output. Over 84.5 million net tons of steel ingots—the equivalent of approximately 62 million tons of finished steel—were produced in 1947, an increase of over one-fourth from 1946 when work stoppages in steel plants and coal mines cut deeply into the total output. In the final 3 months of 1947, steel ingot operations were stepped up nearly to rated capacity, with production totalling about 22.2 million tons—an annual rate of close to 89 million tons. This was less than 2 percent below the wartime peak of 22.6 million tons registered in the first quarter of 1944 when total steel-making capacity was about 2.5 million tons higher than now.

Table 4.—Industrial Production

[Seasonally adjusted indexes, 1935-39=100]

Period	Total	Durable goods	Nondurable goods	Minerals
1946:				
First quarter.....	160	162	165	140
Second quarter.....	165	186	162	119
Third quarter.....	177	207	162	145
Fourth quarter.....	182	213	172	139
Year.....	170	192	164	134
1947:				
First quarter.....	189	223	176	147
Second quarter.....	185	220	170	147
Third quarter.....	181	212	168	148
Fourth quarter.....	192	225	177	156
Year.....	187	220	173	150
Percent increase:				
1947 from 1946.....	10.0	14.6	5.5	11.9
Fourth quarter 1947 from fourth quarter 1946.....	5.5	5.6	2.9	12.2

* Preliminary.

Source: Board of Governors of the Federal Reserve System.

The volume of goods flowing from most of the reconversion industries exceeded any prewar year. This applies to many of the electrical appliances—washing machines, vacuum cleaners, electric ranges and radios—though not to refrigerators. In the large automobile industry, output was still below the prewar rate. United States production of about 4,790,000 cars and trucks in 1947 was exceeded by output in 1941 when 4,838,000 were turned out and in 1929 when 5,358,000 were produced. However, in the quarter just ended, assemblies of cars and trucks were at an annual rate of 5,200,000 units.

In the railroad equipment group, deliveries of freight cars and all types of locomotives were the best in the last 20 years, excluding the war years. The table in the construction section shows the large rise in many building materials.

Nondurable Goods Industries

For the nondurable goods group generally, however, output for the year held only about even with the rate reached in the last quarter of 1946. In textiles, rayon deliveries expanded while cotton and wool manufactures went down. Clothing production declined substantially, primarily as a result of the sharp drop in the women's clothing industry. A drop also occurred in leather and products due to the reduced output of shoes.

With greatly enlarged facilities, output of rayon expanded to a new high as was the case in the manufacture of paper and paper products which also benefited from the larger supplies of wood pulp, chiefly as a result of increased imports. Likewise, large imports aided in meeting the domestic needs for newsprint. Plate glass, pneumatic casings and automotive replacement batteries were among the industries establishing new production marks.

Construction Developments

New construction volume of 1,215 million dollars in December brings the total new construction for the year 1947 to 12,878 million dollars, an increase of 30 percent above 1946. Cost increases throughout the year were principally responsible for the increase in value—an estimate of volume adjusted for price increase indicates that physical volume was probably 10 percent greater than in 1946.

A less than seasonal decline in December coupled with similar deviations from the expected seasonal pattern in October and November have combined to make the fourth quarter activity the highest for the year. Preliminary data place the fourth quarter at 3,835 million dollars compared with almost 3,700 million dollars in the previous 3-month period, which is usually the highest quarter of the year.

The most important single contributor to construction volume in 1947 was the private residential segment which accounted for over 4.9 billion dollars, or 38 percent of total new construction. (See table 5.) Current estimates indicate that 860,000 new permanent nonfarm dwelling units have been started in 1947. In the inevitable comparisons with previous years, 1947 home building will apparently rank fourth in number of units provided in recent decades, following the years 1925, 1924, and 1923, in that order. If comparisons are made on other bases, such as number of dwelling units relative to the number of new families, 1947 would occupy a lesser position in this historical series.

Table 5.—New Construction Activity, Continental United States, 1947¹

[Millions of dollars]

Type of construction	1946	1947
Total new construction.....	9,890	12,878
Total private.....	7,739	9,878
Residential.....	3,183	4,939
Nonresidential.....	3,350	3,181
Farm.....	350	450
Public utility.....	856	1,308
Total public.....	2,151	3,000
Residential.....	387	175
Nonresidential.....	319	517
Military and naval.....	181	200
Highway.....	706	1,214
Conservation, miscellaneous public service and all other public.....	551	894

¹ Joint estimates of Department of Commerce and Department of Labor.
 * Subject to revision.

Construction Materials

Over-all production of construction materials for the first 10 months of 1947, as measured by the Department of Commerce Monthly Index of Production for Selected Construction Materials, has increased more than 10 percent above the corresponding period of 1946.

Eighteen of the twenty materials included in the Index have recorded higher output levels during the 10-month period of this year than last year. Hardwood flooring production at the end of October was almost double that for the same period of 1946, although lumber made the smallest production gain over the 1946 period—2 percent. Output of the materials which lost ground (mechanical stokers and galvanized range boilers) was substantially below the 1946 rate.

Despite the high production, several materials still remain in tight supply. The difficulty of obtaining wire nails has recently come under Congressional scrutiny. Most steel products have been in short supply relative to demand throughout most of 1947 with sheet and strip remaining the tightest of all steel items.

A similar situation prevails among important nonmetallic building materials. Millwork, for example, continues to be in very short supply and hardwood flooring, despite higher output than in any year since 1926, was hard to get during all of 1947.

Table 6.—Production of Building Materials and Equipment

Material	Unit of measure	January-October 1947	January-October 1946	Percent change
Lumber.....	Mm. bd. ft.	29,933	29,361	+1.9
Hardwood flooring.....	M. bd. ft.	560,747	285,321	+96.5
Brick.....	Million	4,126	4,033	+2.3
Cement.....	000 bbls.	153,596	133,913	+14.7
Cast iron soil pipe.....	M tons	488	319	+53.0
Fabricated structural steel.....	Tons	1,544,617	1,252,263	+23.3
Wire nails.....	do.	701,797	468,155	+49.9
Concrete reinforcing bars.....	do.	1,195,083	970,320	+23.3
Plywood (softwood).....	000 sq. ft.	1,403,472	1,189,474	+18.0
Asphalt prepared roofing.....	000 sqs.	58,607	50,306	+16.5
Gypsum board (excluding lath).....	Mm. sq. ft.	1,730	1,618	+6.9
Gypsum lath.....	do.	1,346	929	+44.9
Mechanical stokers.....	Units	59,569	164,301	-63.7
Galvanized range boilers.....	do.	552,414	785,117	-29.6

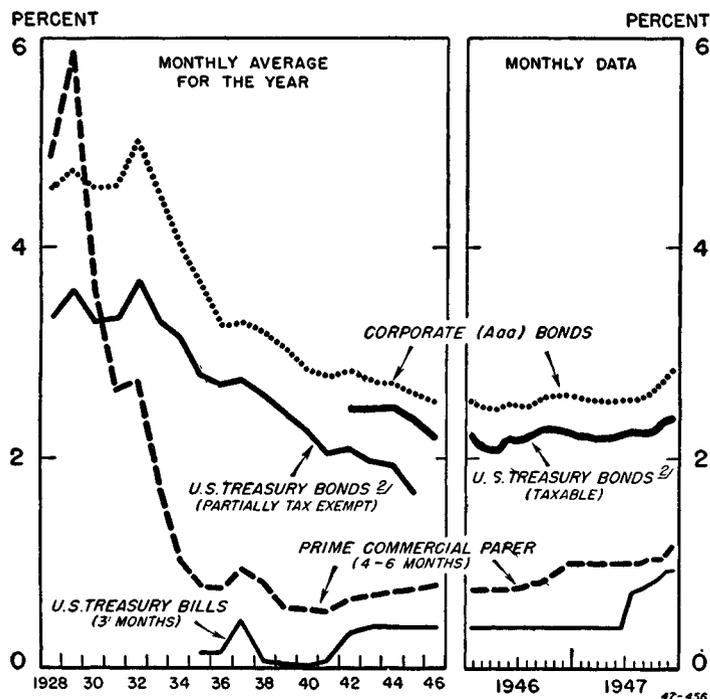
Although cement output probably reached an all-time high last year (approximately 185 million barrels), cement stocks are far below the average of the last 20 years. It appears certain that output of cast iron soil pipe and fittings reached a new peak in 1947, about 60,000 tons higher than the previous record. However, soil pipe has been reported in scarce supply more frequently than most other building materials in which shortages were known to exist.

Rise in Interest Rates

The firming of interest rates which has been evident in the last 18 months received impetus from the action of monetary authorities in dropping the support level of Government bonds toward the end of 1947. Designed to act as a check on the expansionary trends of money and credit, and to bring about internal adjustments in the interest rate structure, this action resulted in a general rise in medium and long-term interest rates. The advance was relatively sharpest in Government "intermediate" maturity issues (issues having 7-9 years to run to maturity).

The downward trend of prices of long-term United States securities was reflected throughout almost all of the bond market. Interest rates on short-term issues were not immediately affected to an equal degree, but it will be remembered that a substantial upward adjustment in interest cost of short-term financing was initiated in mid-1947, as the Federal

Chart 2.—Long-Term Bond Yields and Short-Term Money Rates¹



¹ Bond yields are averages of daily figures. Rates on prime commercial paper are averages of weekly prevailing open-market money rates in New York City. Rates for Treasury bills are averages for new issues offered within the period.

² Represents yields on bonds neither due nor callable for 15 years. The partially tax-exempt series was discontinued December 15, 1945, because there were no longer bonds of this classification due or callable in 15 or more years.

Sources of data: U. S. Treasury Department; Board of Governors of the Federal Reserve System; and Moody's Investors Service.

authorities altered the $\frac{3}{8}$ -percent rate on Treasury bills which had been maintained throughout most of the war and post-war periods. (See chart 2.)

Bank Lending Power Continues High

The lower support prices recently established for long-term Government bonds are still at or above par. The differential between current prices and par, however, has been virtually eliminated or greatly reduced. This is of particular significance in the light of official pronouncements which insure the maintenance of a $2\frac{1}{2}$ percent rate on long-term securities in the foreseeable future. This means in effect that further steps to control credit expansion through actions to raise

long-term interest rates are largely circumscribed under present legal powers of the monetary authorities.

The inadequacy of these powers is highlighted by two major facts. The first of these is the still very large supply of Government securities which commercial banks have available for sale to central bank authorities if they should so decide. By the end of October 1947, commercial banks held over 70 billion dollars of Government securities. By selling, which the banks are free to do, some of these securities to the Federal Reserve banks, funds can be made available for private lending.

The second consideration, pointing up the present limitations on control powers (in the absence of a substantial further decline in Government bond prices), is the inflow of gold holdings to the United States. In the past year, this increase—adding to loanable funds of banks—amounted to 2.2 billion dollars. A continuation of a sizable inflow would make still more difficult the problem of credit control.

There is, however, one important factor tending to make for tighter credit in the months immediately ahead—the heavy Federal income tax receipts expected in the next 6 months. During the first 6 months of the calendar year, Federal receipts usually run above those of the last half. In 1947, for example, budget receipts during the first 6 months were about 5.5 billion dollars more than in the last 6 months.

The disposition of any Federal surplus is of particular importance in controlling monetary inflation. In general, the withholding of a Federal surplus of receipts, drains funds from the private sector. The same generalization holds, if these funds are used to retire Federal debt held by the Federal Reserve System, since the realization of the surplus reduced private money holdings while such retirement of debt does not increase the commercial banks' ability to lend. When the surplus is used to buy bank-held Federal issues, the action is likewise in the direction of controlling monetary expansion, since even though banks may get back money which had been previously been paid in taxes, they do so concurrently with a reduction in Federal security holding which are a potential source of credit expansion.

These methods of using the expected Federal surplus of cash receipts will undoubtedly be most important in the months ahead, and hence may be presumed to exert a contra-inflationary pressure. Whether such use of the Federal surplus will be sufficient to curb the expansionary monetary trend will however at bottom depend on the actions taken by banks to lend to business and on business' willingness to borrow at the higher interest charges which are being currently asked.

Corporate Sales and Profits in the Third Quarter

In the last month's issue the national income data were presented, giving the summary figures on corporation profits through the third quarter of 1947. The latter are based upon a sample of publicly available corporation returns from which data have now been compiled for this same period on corporate sales and profits for broad industry groups. The estimates are presented in table 7.

The third quarter corporate profit aggregates show virtually no change from the second quarter level, notwithstanding an estimated increase of almost $1\frac{1}{4}$ billion dollars in corporation sales. The stability of total profits in this particular quarter of rising dollar sales was largely due to the increase in wages and salaries from the second to the third quarter, pointed out in last month's summary of the changes in national income by distributive shares.

At seasonally adjusted annual rates, profits approximated $27\frac{1}{2}$ billion dollars before taxes and $16\frac{1}{2}$ billions after taxes in both the second and third quarters of this year. These estimates include inventory profits which, throughout 1947 with the rising price level, have been an important factor in the advance of reported profits. At an annual rate this element of reported profits has been estimated at from 4 to $4\frac{1}{2}$ billion dollars in the second and third quarters of 1947 (table 2, p. 4, December SURVEY).

It should be kept in mind with reference to table 7 that the corporate sales estimates included are gross; that is, they include interbusiness transactions and thus to a large extent represent a duplicated count. This is so since the sales of each firm entering into the corporate total include not only the value added by it, but also the value of the materials

Table 7.—Corporate Sales and Profits Before and After Taxes, Second and Third Quarters of 1947¹

[Millions of dollars]

	Corporate sales		Corporate profits before taxes		Corporate profits after taxes	
	Second quarter	Third quarter	Second quarter	Third quarter	Second quarter	Third quarter
All industries, total ^{2,3}	73,641	75,301	6,874	6,888	4,158	4,173
Mining.....	1,528	1,655	196	199	141	144
Manufacturing.....	40,563	40,969	4,110	4,144	2,461	2,494
Metal industries ⁴	14,256	13,724	1,364	1,355	796	791
Other manufacturing.....	26,307	27,245	2,746	2,789	1,665	1,703
Wholesale and retail trade.....	22,229	22,955	1,161	1,147	685	676
Finance, insurance, and real estate ⁵			463	475	289	296
Transportation.....	3,506	3,570	277	273	169	161
Communications and public utilities.....	2,085	2,168	312	270	190	165
All other industries ⁶	3,730	3,984	355	380	223	237

¹ Quarterly profits estimates for 1945 and 1946 for the same industrial break-down as above were published in the *Survey* for June 1947, p. 10; and for the first 2 quarters of 1947 in the *Survey* for October 1947, p. 24. Annual profits estimates by industry, 1929-46, were published in the National Income Supplement to *Survey of Current Business* for July 1947, pp. 30-32. Concepts and methodology have been described in "Trend of Corporate Profits, 1929-45," *Survey*, April 1946, pp. 11-12. The principal change made since that statement was prepared has been to adjust for tax credits flowing from the carry-back of unused excess-profits tax credit and net operating loss; that is, these tax credits were added to profits after taxes in those years to which the tax credit was carried back.

² Total profits for all industries include the adjustment for the net flow from abroad of dividends and branch profits.

³ Sales figures exclude the industrial division of finance, insurance, and real estate. Presentation of sales data for these industries would be misleading in view of the large part of their receipts which is in the form of property income.

⁴ Metal industries comprise iron and steel, nonferrous metals, machinery (except electrical), electrical machinery, transportation equipment (except automobiles), and automobiles.

⁵ All other industries comprise agriculture, forestry and fisheries, contract construction, services, and the international balance adjustment.

purchased from other firms, which is already included in the sales of those other firms.

For this reason aggregate figures on income originating in corporate business were presented through the first half of 1947, in the October issue of the *SURVEY*, page 24. That tabulation showed the comparative trend of the various segments of income originating. Such data are not available by lines of business.

Variation by Broad Groups Slight

The experience of the major industrial divisions in the third quarter, for the most part, did not differ significantly from the all-industry total. More variation occurred among the smaller industry groups, although generally the quarter

was one of high earnings in line with the high level of labor and entrepreneurial incomes and of consumer and business spending. The profit decline in the communications and public utilities group reflected principally the experience of the electric utility companies, where controlled prices for services under conditions of rising costs make difficult the maintenance of profit rates. The telephone industry showed a small increase over the second quarter when a strike affected operating results, but its current quarterly profits remain substantially below those of 1946.

Profits of the metal manufacturing industries have varied but little so far this year. This situation reflects a greater degree of stability of operations than existed last year when reconversion problems were particularly acute in this segment of the economy. In general, the demand for the products of these industries has continued very high, as evidenced by the rate of domestic expenditures on producers' durable equipment which as earlier mentioned has been running at the rate of 18 billion dollars per annum. In addition, export demand likewise has continued very high (see table 1, p. 8, November 1947 *SURVEY*).

The high rate of expenditures for producers' equipment, plus the expenditures for industrial buildings means that corporations have continued through the end of the year to draw heavily upon outside funds to finance expansion. This is so notwithstanding the large increase over a year ago in the funds available from internal sources—from retained earnings and depreciation allowances. So far, funds required for this expansion have been readily available, though recently at rates not quite so favorable as those a year or so ago. The shift in interest rates is discussed elsewhere in this issue, as are the results of the most recent survey of plant and equipment expenditures.

As has been true in past periods of peak activity, a large volume of capital expenditures, financed in part by drawing upon the credit market, is an outstanding feature at the present time. In 1947, such capital demands were reinforced by the large export surplus which is a reflection of large rehabilitation needs abroad, and of the necessity of meeting current consumption needs to an unusual extent through imports because of the effects of war and its aftermath upon the productive resources of Europe. The extent to which these needs are being financed by the Government is familiar to readers of the *SURVEY*.

Plant and Equipment Expenditures of U. S. Business

Outlays on new plant and equipment planned by American business, exclusive of agriculture, will approximate 4.1 billion dollars in the first quarter of 1948, according to the reports submitted by business concerns in the regular quarterly survey. As shown in table 8, this amount is somewhat below the volume of expenditures planned for the fourth quarter and about the same as actual outlays in the third quarter.

First Quarter 1948 Expenditures Decline Seasonally

Seasonal factors are probably responsible primarily for the anticipated decline of more than 300 million dollars in new capital outlays from the 4.4-billion-dollar figure in the fourth quarter of 1947. Planned expenditures by manufacturing companies for the first quarter of 1948 are estimated at 1.8 billion, or 44 percent of the total for all industry. This amount is about 10 percent under the expenditures for

the fourth quarter of 1947. Mining and electric and gas utilities plan to spend slightly less on new plant and equipment in the first quarter than in the fourth quarter. Commercial and miscellaneous companies and transportation companies, including railroads, report that they expect to spend about the same amount as in the fourth quarter.

Percentage-wise, the estimated first quarter drop in 1948 is intermediate between the decline in actual expenditures from the last quarter of 1945 to the first quarter of 1946, and from the last quarter of 1946 to the first quarter of 1947. However, the decline in capital outlays for early 1948 anticipated by businessmen in late 1947 is somewhat larger than the decline anticipated in the corresponding periods of the preceding 2 years. In view of the experience with seasonal difficulties in construction and deliveries in the precious 2 years, businessmen may have made more adequate allowances for this factor in their preliminary estimates for the first quarter of this year than they did a year ago.

Table 8.—Expenditures on New Plant and Equipment by U. S. Business¹

[Millions of dollars]

Industrial group	Total 1946	1947					1948
		Jan.-Mar.	Apr.-June	July-Sept.	Oct.-Dec. ²	Total ²	Jan.-Mar. ²
Manufacturing.....	5,910	1,450	1,850	1,870	2,040	7,210	1,810
Mining.....	560	150	160	150	190	670	170
Railroad.....	570	160	220	230	370	980	360
Other transportation.....	660	180	230	200	200	810	190
Electric and gas utilities.....	1,040	330	450	500	550	1,820	490
Commercial and miscellaneous ³	3,300	900	1,030	1,160	1,100	4,190	1,080
Total: Actual.....	12,040	3,160	3,940	4,140	-----	-----	-----
Second estimate ⁴	11,960	3,440	3,670	4,070	4,440	15,680	-----
First estimate ⁴	11,020	3,640	3,560	3,770	4,020	15,180	4,100

¹ Excluding agriculture.² Estimates based on anticipated capital expenditures of business.³ Includes trade, service, finance, and communications.⁴ In reporting actual figures for each quarter business concerns also give estimates of similar outlays planned for the 2 quarters following. The second estimate is thus a revision of the first estimate.

NOTE.—Figures are rounded and will not necessarily add to totals.

Source: U. S. Department of Commerce and Securities and Exchange Commission.

Capital Outlays in 1947 at New High

After an initial decline in the first quarter of 1947, dollar outlays for new plant and equipment increased steadily throughout the year, continuing the upward trend which began at the end of the war. Increased costs were a major factor here as elsewhere throughout the economy in 1947.

In the third quarter actual expenditures rose to 4.1 billion, with anticipated expenditures for the fourth quarter being

upped in the latest survey to 4.4 billion. If planned expenditures for the fourth quarter were carried out, a total of 15.7 billion dollars was spent in the year 1947, approximately 30 percent over the amount expended in 1946. Compared with prewar, expenditures in 1947 were some 90 percent higher than in 1941 and 70 percent above 1929. Even if adjustments were made for the substantial price increase, expenditures during 1947 would nevertheless be higher than in both those years.

The actual amount expended by industry on new plant and equipment during the third quarter of 1947 was about the same as had been previously anticipated. Most industrial groups showed expenditures about equal to those planned, except railroads and other transportation companies whose expenditures were less than had been anticipated.

The second estimate of planned expenditures for the fourth quarter was more than 10 percent above the first. Larger expenditures for machinery and equipment by the manufacturing and commercial groups were particularly important in the upward revision of the estimated outlays for the fourth quarter. This increase in the dollar value of expenditures is probably due in part to higher prices.

Expenditures for Used Plant and Equipment Down

Current reports for the first quarter of 1948 indicate a continued dwindling of the magnitude of expenditures for used plant and equipment. Such outlays may be considerably less than 100 million dollars in the first quarter, unless the total should be influenced by large individual transactions not foreseen at present.

Revised Estimates of Retail Sales, 1946-47

Analysis of retail sales data, to adjust for the postwar growth in the number of operating establishments in trade, has yielded substantial improvement in estimates of sales volume during 1946 and 1947. The revisions presented here have been incorporated for the most part in the estimates of consumption expenditures published in the *National Income Supplement to the Survey of Current Business* for July 1947. The adjustments thus serve to bring into line the retail sales and consumption expenditure series for 1946 and 1947.

Methods of Estimation

The basic methods used in estimating retail sales were described in detail in an article that appeared in the SURVEY OF CURRENT BUSINESS in November 1943. The procedures there set forth were followed and, in addition, supplementary data on the formation of new establishments in the postwar period were utilized to provide a basis for estimating the business handled by the new firms which have not been adequately represented by the samples of reporting stores.

Monthly Reported Data

Monthly estimates of retail sales are based in large part on sales of samples of identical independent stores, and of identical chain firms reporting to the Bureau of the Census. It is recognized, however, that data from samples of identical independent stores—and also, to a lesser extent, of identical chain firms—have to be supplemented by other data in order to secure the estimated sales of all stores.

Supplementary Data

The supplementary material used to correct the trend figures have been the data from the States which have sales taxes, and annual surveys such as the report on drug store sales mentioned below. In the present revision, use has also been made of the data available quarterly on the establishment of new firms.

The Bureau of the Census has been conducting experiments to develop a scientifically chosen sample from which to derive sales figures for the country as a whole. The reporting sample has thus been undergoing considerable change and has not yet provided the firm sampling basis which is the objective of the change.

While the use of data, other than the monthly reported statistics, to determine both the level and trend is required at all times, it is doubly necessary in a period of rapid change such as characterized the past 2 years. During this period the establishment of new stores has been especially important. The extent of this increase may be observed from table 9.

Table 9.—Percent Increase in Number of Operating Firms

[Dec. 31, 1945, to June 30, 1947]

All retail stores.....	17
Home furnishings group.....	41
Automotive group.....	38
Building materials and hardware group.....	28
Filling stations.....	18
Eating and drinking places.....	15
Food group.....	13
Apparel group.....	13
Drug stores.....	9
General merchandise group.....	5

The largest percentage gains in the number of operating firms in the 18-month period ended June 30, 1947, occurred in the durable-goods groups. The number of firms in the home, furnishings and automotive groups was up about 40 percent; for building materials and hardware stores the increase was nearly one-third.

The rise for establishments selling nondurable goods was less marked though substantial. In eating and drinking places, filling stations, and the apparel and food groups, the increase was about a sixth; for drug stores and the general merchandise group, less than a tenth.

These data have been analyzed to aid in developing a method of measuring the net increase or decrease in sales that may be accounted for by the turn-over in store population. The studies are still incomplete but partial results available from these studies have been incorporated in the present revision of the automotive group. The results of further analyses will be discussed in detail at a later date.

Sales Tax Data

Sales tax data, while subject to limitations, form a very valuable addition to retail trade information. Because they reflect changes in total sales in a given State, rather than those of a sample of identical reporting establishments, they automatically adjust for turn-over in the retail trade population. Moreover, sales-tax returns are mandatory. Consequently, changes in sales based on reports of tax collections in sales-tax States may be compared with changes in sales based on reports from a sample of identical establishments in order to correct for inherent biases. For the present revision, sales-tax data through the first half of 1947 were analyzed in detail, and continued use will be made of quarterly sales tax figures to determine the sales level.

Primary reliance is placed on the use of quarterly sales tax collections in 12 States. The States used are California, Colorado, Illinois, Iowa, Kansas, Michigan, Mississippi, Missouri, Ohio, Oklahoma, Washington, and West Virginia, which, according to the 1939 Census of Business, accounted for 35 percent of all retail sales in the United States.

Recently the States of Connecticut and Maryland have instituted sales-tax programs, but data from these States will not be usable for some time. There are a number of other States, as well as the city of New York, which levy sales taxes. Because of the limitations of their reports it has not been possible, thus far, to incorporate data from these sources.

The use of sales-tax data in estimating total sales is subject to a number of limitations. Certain States tax cash receipts instead of the total sales value of products sold. This tends to reduce the amplitude of cyclical fluctuations in the reported data for those businesses, such as home furnishings stores, where instalment selling is important. It would thus play a significant role at present when the amount of instalment selling relative to total sales is changing markedly. To allow for this, a correction based on the net change in debt outstanding has been applied to sales-tax data for home furnishings stores in those States for which the tax is collected on each instalment rather than on the total purchase price at the time of sales.

Other limitations of sales-tax data for determining change in total sales are the possibility of a geographical bias due to the use of a small group of States, problems of classification of stores by kind of trade, tax exemptions, etc. However, it is believed that in the revised estimates these weaknesses have been minimized to the greatest extent possible.

Other Sources

In addition to sales-tax data, other sources of information are used. Sales of drug stores, beginning with 1943, have been adjusted to the level established in a regular survey of the trade made by the Office of Business Economics in cooperation with the A. C. Nielsen Co. A complete description

of a study of this type appeared in the *SURVEY OF CURRENT BUSINESS* for November 1944.

Extent of Adjustment

The upward adjustment effected by the revision of the retail sales figures for the 18-month period ended June 30, 1947, amounted to about 5 percent in the aggregate, with the durable segment raised 11 percent and nondurables 3 percent. In general, the groups of stores showing large increases in the number of firms were also those for which large adjustments in sales were necessary.

The largest relative upward revisions among the durables were in the automotive and home furnishings groups, with filling stations among the nondurables showing a change of similar proportions.

In the apparel and drug groups small negative adjustments were made. The possibility of a negative adjustment stems from the fact that small bias adjustments based on past experience were already included in the preliminary sales figures.

Beginning with this issue of the *SURVEY*, the revised figures on retail sales will appear in the tables customarily presented on pages S-7 and S-8. The following review of 1947 utilizes the new data.

Retail Sales Trends in 1947

As noted in chart on page 1, retail sales, which have been rising steadily since 1939, showed their sharpest increase in the two years following the end of the war. Fourth quarter retail sales in 1947 are estimated at an annual rate of 124 billion dollars. This level of sales is, at an annual rate, almost three times the total for the year 1939.

Total retail sales for the entire year 1947 are estimated at about 118 billion dollars compared with a little over 100 billion in 1946. For the monthly movement throughout the year see chart 3.

Prices Account for Most of Rise

The upward surge in dollar sales since the war reflects the increase in physical volume of goods moving through retail channels, but to an even greater extent it reflects the rapid advance in prices which marked the period after price controls were removed in the middle of 1946.

Considerable caution must be exercised, even in normal times, in utilizing the retail store price index as a tool for evaluating changes in volume from dollar figures. This index is based upon price series of goods sold at retail stores. In some store groups, prices are available on very few of the manifold lines of goods sold; for some of the groups no adequate price data are available, and the choice of representative series is somewhat arbitrary.

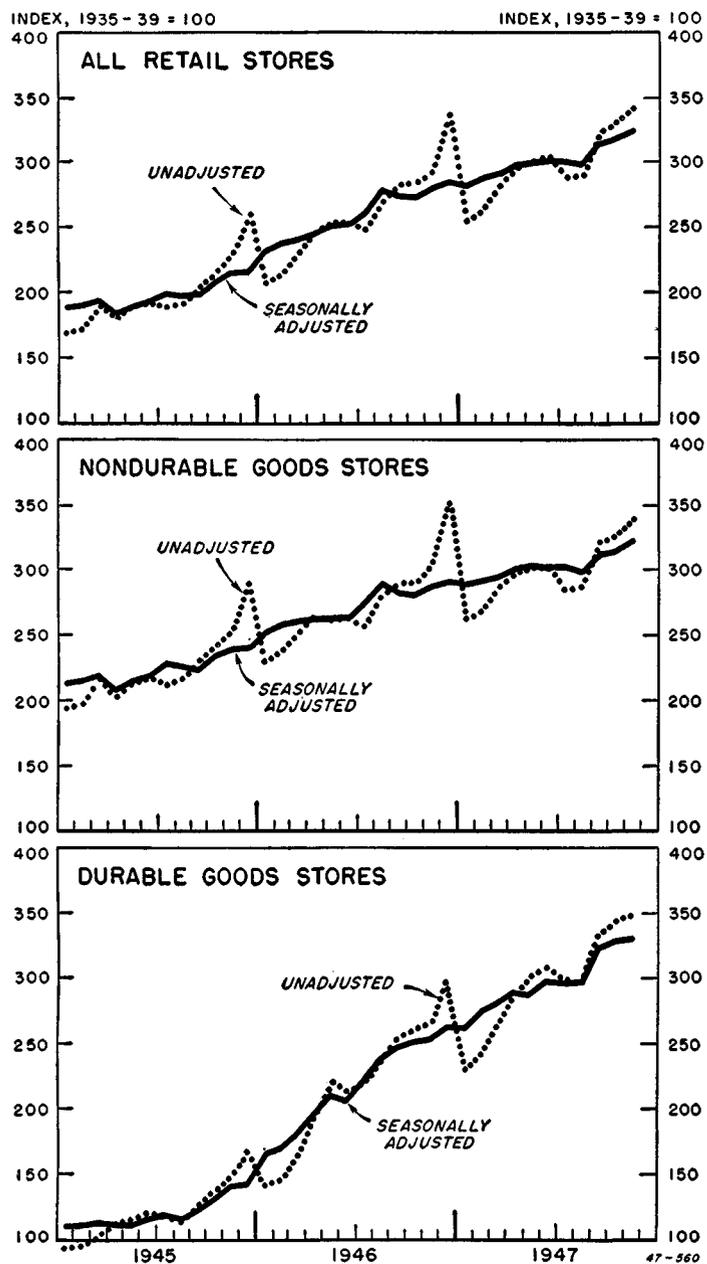
Further problems arise at the present time. The effect of the disappearance during the war, and subsequent reappearance, of certain lower-price lines—and, in some case, of complete lines of goods—as well as changes in the quality of products, are not measured in existing series. Careful appraisal of these and other qualifying factors must be made before drawing conclusions from results derived by using the price series to deflate dollar sales.

As was stated in the *National Income Supplement*, the Office of Business Economics is working on the development of a method of adjusting dollar expenditures to eliminate the influence of price changes. Conceptual as well as practical difficulties of measurement have not yet been overcome. Until they are, only general conclusions are possible and such conclusions have to rely more upon physical series of production than upon available price measures.

Variations by Lines of Trade

While the total dollar value of sales was moving rapidly upward in 1947, considerable variation was evident in in-

Chart 3.—Sales of Retail Stores



Source of data: U. S. Department of Commerce, Office of Business Economics.

dividual lines of trade. In the chart on page 1 the relative changes in sales for 1947 over 1946 are shown for major groups of retail stores.

Automotive Group Shows Largest Increase

Reflecting the greater availability of goods and the continued pressure of demand throughout the year, the durable goods groups showed the largest proportional increase in sales for the year. Outstanding was the automotive group, including automobile dealers and parts and accessory stores. For the year 1947, factory sales of new passenger cars in the domestic market are estimated at 3½ million, about 75 percent more than in 1946.

Total sales in this group reached 11.9 billion dollars, more than half again as much as in the previous year. Retail sales of automobiles, parts, and accessories exceeded for the first time the previous high established in 1941, with sales in 1947 topping those in 1941 by almost 40 percent. However, after adjustment for the increase in prices the physical volume of goods sold in this group was still below 1941.

Home Furnishings and Building Materials

Sales of home furnishings and building materials and hardware stores were about a third above the previous year. While there were still tight areas in this field—and products with specific brand names were not always available—supply was generally much improved.

The 1947 sales total for home furnishings stores was about 6.8 billion dollars; building materials and hardware store sales reached 8.8 billion.

Jewelry Store Sales Less

Jewelry stores were the only group in which sales in 1947 were below the previous year, with 1947 sales estimated at 1.3 billion dollars, or about 3 percent below the 1946 total. Following a downward trend from the previous summer and fall, the general level of sales throughout the year 1947 was about 7 percent below the level reached in the middle of 1946.

Some reports from jewelers seem to indicate that the highest priced luxury items were most affected. It is possible that the appearance in greater quantity of goods in the middle and lower price brackets has accounted in part for this apparent downward drift.

Nondurable Sales Show Smaller Increases

As compared with 1946, the nondurable goods groups in general recorded smaller increases in sales than did the durables. While all of the major groups recorded gains, only two showed substantial rises in sales.

Sales of filling stations, following in the wake of the increase in new car sales and the greater availability of parts and accessories to keep older cars in working condition, rose to 5.2 billion dollars in 1947. This amount was 28 percent above the previous year.

Food store sales, which had risen 5.4 billion dollars in 1946, went up 5.8 billion—or 23 percent—in 1947 to a total of 31.3 billion dollars. Practically all of this increase was due to rising prices.

Apparel and General Merchandise Store Sales

The 9.2 billion dollars spent by consumers at apparel stores in 1947 was only slightly above the 1946 total. Taking into consideration the price rise for the year, the physical volume of apparel sold was considerably below the previous year.

Sales in the general merchandise group, dominated by department stores, were about 15.7 billion dollars, or 8 percent above a year ago. This gain for the most part reflects increased sales of appliances and furniture, which account for a substantial part of all department store sales.

Drug Stores and Eating and Drinking Places

In these two groups, sales have tended to level off since the latter part of 1946. Sales at eating and drinking places for 1947 are estimated at 12.5 billion dollars or about the same as in the previous year. Since the price rise here has been substantial, a significant decline in food consumption at such establishments is implied. This is borne out, for example, by the drop in business at night clubs. Recent figures on Federal tax collections at night clubs, cabarets, etc., show a continuation of the decreases that had begun in the middle of 1946.

Drug store sales were up about 3 percent, the level of sales throughout the year being about the same as that reached in the fourth quarter of 1946. During the war, drug stores tended to assume the character of variety stores, with drugs and related products becoming of less importance in terms of sales volume. This stability of drug store sales in the past year may be accounted for in part by the increase in the number of retail outlets selling appliances and specialty products.

Table 10.—Sales of Retail Stores

Kind of business	Sales (millions of dollars), 1946													Total	Monthly average
	January	February	March	April	May	June	July	August	September	October	November	December			
All retail stores	6,715	6,438	7,602	7,912	8,207	8,005	8,075	9,071	8,633	9,343	9,463	10,792	100,255	8,355	
Durable goods stores	1,133	1,076	1,330	1,543	1,778	1,669	1,779	1,959	1,922	2,158	2,077	2,332	20,756	1,730	
Automotive group	375	335	410	509	660	579	687	776	774	865	823	846	7,639	637	
Motor vehicles	260	232	285	376	516	435	544	626	635	714	675	679	5,977	498	
Parts and accessories	115	104	125	134	144	144	143	150	139	151	148	166	1,662	139	
Building materials and hardware group	393	368	478	548	582	556	582	618	598	672	617	601	6,612	551	
Building materials	253	227	293	338	359	342	364	394	388	435	392	351	4,137	345	
Farm implements	40	38	50	58	63	57	62	58	52	64	56	51	649	54	
Hardware	100	103	135	151	161	157	155	165	157	173	169	200	1,826	152	
Home-furnishings group	286	298	356	393	430	426	419	465	454	514	507	614	5,162	430	
Furniture and housefurnishings	198	213	257	282	306	293	278	305	300	333	331	381	3,477	290	
Household appliances and radios	88	85	99	111	124	133	142	160	154	181	176	233	1,685	140	
Jewelry stores	79	76	85	94	106	109	91	100	95	106	130	272	1,343	112	
Nondurable goods stores	5,582	5,362	6,272	6,368	6,429	6,336	6,296	7,112	6,711	7,184	7,386	8,460	79,499	6,625	
Apparel group	572	562	754	816	717	731	549	707	779	848	855	1,090	8,981	748	
Men's clothing and furnishings	128	124	163	193	174	186	130	163	192	220	236	318	2,227	186	
Women's apparel and accessories	272	273	379	376	328	312	241	316	350	373	363	449	4,033	336	
Family and other apparel	82	75	97	107	96	101	79	103	109	122	129	163	1,262	105	
Shoes	90	90	116	139	119	132	100	125	129	134	127	159	1,459	122	
Drug stores	267	251	274	277	292	291	290	298	286	298	301	394	3,520	293	
Eating and drinking places	938	852	994	988	1,052	1,041	1,063	1,120	1,094	1,114	1,047	1,060	12,362	1,030	
Food group	1,861	1,773	1,986	1,934	2,022	2,009	2,160	2,495	2,150	2,267	2,395	2,504	25,555	2,130	
Grocery and combination	1,422	1,366	1,531	1,470	1,544	1,540	1,656	1,955	1,647	1,735	1,866	1,961	19,694	1,641	
Other food	439	407	455	464	477	469	504	540	502	532	529	543	5,861	488	
Filling stations	286	252	294	302	329	339	368	398	366	387	371	371	4,066	329	
General merchandise group	870	896	1,119	1,194	1,153	1,133	1,016	1,201	1,196	1,348	1,483	1,925	14,533	1,211	
Department including mail order	563	586	752	789	760	745	637	784	806	906	1,016	1,277	9,621	862	
General, including general merchandise with food	111	110	128	140	141	134	140	148	139	154	155	176	1,676	140	
Dry goods and other general merchandise	92	90	109	117	117	118	109	122	120	137	141	191	1,463	122	
Variety	104	110	129	149	135	136	131	146	131	151	171	281	1,773	148	
Other retail stores	788	775	850	858	864	792	849	892	841	921	933	1,117	10,482	873	
Feed and farm supply	206	212	247	260	254	217	243	230	215	229	220	220	2,753	229	
Fuel and ice	186	170	147	118	112	91	136	156	150	166	160	175	1,767	147	
Liquor	135	136	151	154	158	148	150	160	144	162	179	234	1,912	159	
Other	262	258	305	324	341	335	319	346	332	365	374	489	4,050	337	

Indexes of sales (1935-39=100)

Year and month	Unadjusted										Adjusted															
	All retail stores			Durable goods stores			Nondurable goods stores				All retail stores			Durable goods stores			Nondurable goods stores									
	Total	Auto-motive group	Building materials and hardware group	Home furnishings group	Jewelry stores	Total	Apparel group	Drug stores	Eating and drinking places	Food group	Filling stations	General merchandise group	Other retail stores	Total	Auto-motive group	Building materials and hardware group	Home furnishings group	Jewelry stores	Total	Apparel group	Drug stores	Eating and drinking places	Food group	Filling stations	General merchandise group	Other retail stores
1942: January	131.3	102.5	140.7	149.1	125.5	89.4	169.6	159.0	205.9	156.8	166.1	138.2	178.0	154.9	148.9	145.0	169.4	169.4	166.1	138.2	178.0	154.9	148.9	145.0	169.4	169.4
1942: February	129.9	98.0	140.3	144.4	116.8	69.7	172.9	164.2	212.4	153.4	151.4	139.8	182.4	155.3	137.3	136.3	173.1	173.1	151.4	139.8	182.4	155.3	137.3	136.3	173.1	173.1
1942: March	139.9	105.4	151.2	144.4	112.1	58.2	172.1	174.4	214.6	154.9	169.7	140.8	184.4	155.5	123.5	138.0	172.4	172.4	169.7	140.8	184.4	155.5	123.5	138.0	172.4	172.4
1942: April	146.8	112.8	157.9	147.0	109.4	53.3	174.7	169.6	217.6	159.2	162.9	142.9	193.9	163.9	127.0	139.3	178.2	178.2	162.9	142.9	193.9	163.9	127.0	139.3	178.2	178.2
1942: May	147.0	113.0	158.1	146.1	104.9	53.3	167.1	154.8	217.1	159.5	158.7	144.2	197.3	163.9	127.8	136.3	186.1	186.1	158.7	144.2	197.3	163.9	127.8	136.3	186.1	186.1
1942: June	144.5	105.4	157.3	143.8	99.4	53.4	152.1	143.8	220.5	158.3	153.6	146.8	200.7	166.7	120.1	134.5	177.5	177.5	153.6	146.8	200.7	166.7	120.1	134.5	177.5	177.5
1942: July	139.7	97.9	153.3	147.0	97.2	51.9	147.3	137.8	246.3	163.2	168.8	152.6	207.2	170.2	119.2	141.8	175.5	175.5	168.8	152.6	207.2	170.2	119.2	141.8	175.5	175.5
1942: August	143.8	97.3	159.0	148.2	97.5	50.1	146.1	145.4	256.9	164.7	170.9	158.2	208.9	171.2	114.9	144.0	179.1	179.1	170.9	158.2	208.9	171.2	114.9	144.0	179.1	179.1
1942: September	157.0	102.5	174.8	152.0	98.6	48.3	149.8	150.1	264.3	169.4	177.3	157.8	214.0	174.7	118.3	148.6	188.0	188.0	177.3	157.8	214.0	174.7	118.3	148.6	188.0	188.0
1942: October	159.5	101.7	178.3	154.4	98.0	47.9	147.9	151.0	264.3	172.8	177.5	163.3	225.0	179.5	114.0	150.3	191.8	191.8	177.5	163.3	225.0	179.5	114.0	150.3	191.8	191.8
1942: November	160.8	98.5	181.1	153.9	94.5	46.6	138.9	149.1	261.2	173.3	180.0	162.8	224.1	180.9	123.1	149.5	185.6	185.6	180.0	162.8	224.1	180.9	123.1	149.5	185.6	185.6
1942: December	187.1	108.5	212.7	154.0	92.5	45.9	130.6	149.2	276.2	174.0	188.2	165.6	227.0	183.7	89.8	152.3	191.7	191.7	188.2	165.6	227.0	183.7	89.8	152.3	191.7	191.7
1942: Year	148.8	103.6	155.2	148.8	103.6	55.1	153.8	153.8	244.5	163.6	169.3	151.6	204.2	168.5	121.4	143.6	180.9	180.9	169.3	151.6	204.2	168.5	121.4	143.6	180.9	180.9
1943: January	137.3	74.2	157.9	154.5	91.8	47.8	132.1	137.7	269.6	174.9	191.5	167.6	231.1	181.1	97.5	152.6	192.8	192.8	191.5	167.6	231.1	181.1	97.5	152.6	192.8	192.8
1943: February	148.5	78.5	171.3	164.7	94.6	48.9	136.4	138.6	298.0	187.5	249.0	170.7	237.0	183.4	95.7	171.8	202.1	202.1	249.0	170.7	237.0	183.4	95.7	171.8	202.1	202.1
1943: March	151.8	87.2	172.8	158.6	93.6	51.6	130.4	134.8	289.4	179.8	193.2	168.8	242.2	188.6	96.1	152.3	204.2	204.2	193.2	168.8	242.2	188.6	96.1	152.3	204.2	204.2
1943: April	162.8	100.1	183.2	160.9	98.0	53.5	132.7	147.6	310.5	181.4	200.6	176.4	254.4	180.0	100.8	155.4	211.2	211.2	200.6	176.4	254.4	180.0	100.8	155.4	211.2	211.2
1943: May	160.4	104.3	178.7	159.9	97.2	53.9	131.3	144.8	305.1	180.4	193.2	178.1	259.9	179.8	100.4	152.6	209.6	209.6	193.2	178.1	259.9	179.8	100.4	152.6	209.6	209.6
1943: June	167.0	103.3	187.8	166.8	97.9	53.1	134.5	146.7	304.1	189.3	223.0	179.0	264.9	187.8	100.7	160.8	216.4	216.4	223.0	179.0	264.9	187.8	100.7	160.8	216.4	216.4
1943: July	156.2	99.3	174.8	164.9	99.4	53.7	135.3	148.5	325.3	186.3	193.4	180.2	274.0	189.3	95.8	156.9	215.3	215.3	193.4	180.2	274.0	189.3	95.8	156.9	215.3	215.3
1943: August	161.2	100.2	181.1	166.2	100.7	54.2	142.3	143.0	328.4	187.5	198.2	180.8	267.5	190.5	98.0	158.6	219.0	219.0	198.2	180.8	267.5	190.5	98.0	158.6	219.0	219.0

Food Consumption, Expenditures, and Prices

By Morris Cohen

In any analysis of postwar expenditure patterns, food is by far the most important element. Food alone comprises almost one-third of all consumer expenditures. Changes in food consumption as compared with prewar years have been as striking as those in any other area of living standards. The nature of these changes, and the furtherance of understanding as to why they have occurred, are an integral and important part of broad market analysis.

A larger share of the consumer dollar is going for food than before the war. What are the causes of this change? Are they likely to persist?

Food necessarily occupies a significant place in any discussion of the cost of living. The increase of more than 100 percent in food prices since 1939 has contributed almost two-thirds of the rise in the Bureau of Labor Statistics combined Consumers' Price Index over that period. What have been the underlying causes and results of this rise?

Food likewise has become of primary concern in international as well as in domestic policy. What are the interrelationships between increased food exports and domestic consumption, prices, and expenditures?

Food Consumption

The simplest meaningful indication of changes in consumption would be the amount of food energy consumed as measured in calories. Such a figure, however, would not reflect several major elements of consumption in the broader sense.

First, there is the variety of the diet, making it more interesting, more palatable, more adequate in the health protecting elements. Aside from these changes in the composition of the market basket, there can also be changes in the quality of the foods bought.

From the economic standpoint we must also consider the amount of processing included. Shifts may occur between purchases of flour for home baking and purchases of bakery products; between home and factory canning. In other ways what was formerly done in the household can be brought into the market economy.

Another element is the service which goes into the retail distribution of food. This service can be more or less elaborate, including such things as the variety of goods offered for sale and the attractiveness of the surroundings. Similarly, there is the food consumption in restaurants, including all the costs of preparation and serving.

The most comprehensive direct measure is that furnished by the Bureau of Agricultural Economics index of civilian per capita food consumption. This index measures domestic civilian food disappearance as a residual after taking into account food production, imports and exports, military purchases, and changes in inventories. The residual food disappearance in pounds is converted to a retail weight basis and weighted by 1935-39 retail food prices, so that shifts from less expensive to more expensive types of foods are reflected, for example, in terms of more meat at a higher base period price per pound and less potatoes at a lower price.

Thus, the index measures the variety element of food consumption insofar as there are shifts among the 68 categories of food—from lamb and mutton to beef, for example. It does not measure any shifts within these groups—such as

from olive oil to cottonseed oil—or any changes in quality, such as from Commercial to Prime and Choice grades of beef.

The BAE index measures some but not all of the processing element of food consumption. In many cases it is practicable to count food only at the primary or farm level, so that the resulting composite is a mixture of different levels of food processing. While slaughtering, canning of fruits and vegetables, and the manufacture of other food products (such as ice cream, shortening, flour, and sugar) are covered, other products (such as bread and bakery products, confectionery, salad dressing, sandwich spreads, and prepared desserts) are represented only in terms of flour, sugar, etc. To the extent that consumers demand and get more or less of this processing the changes are not reflected in the index.

The element of servicing is not taken into account, since data cannot be obtained to ascertain where individual items of food are eaten or purchased. Thus, any change in the amount of food eaten in restaurants instead of at home is not reflected in the index. Also not covered is any change in the amount or quality of service connected with retail distribution. Changes in this element of service, in either restaurant or store, are just as real an element of change in consumption as changes in the quality or quantity of food consumed.

In spite of these limitations of coverage, the BAE index is extremely useful for our purpose. This usefulness is greatly enhanced because it permits analysis of shifts in consumption among the various categories of food over a long period.

Prewar Stability

The combined index is shown in table 1. During the 30-year period, 1909-38, including the relatively prosperous twenties and the relatively depressed thirties, per capita food consumption, as measured by the BAE index, varied within the narrow range of 94 to 102 percent of the base period, 1935-39.

This stability in per capita consumption is, of course, a reflection of the inelasticity of the supply. Despite wide changes in demand which occurred during this time, agricultural output for domestic consumption kept pace with population changes, slightly more in the twenties with greater demand, slightly less in the thirties with lower demand. When incomes declined farmers continued to produce and consumers paid less for approximately the same quantities.

This inelasticity of supply, however, was demonstrated most strikingly in the smallness of the decline in output in the thirties when demand contracted sharply. Between the two wars there was little opportunity to demonstrate whether production, in response to a sharp increase in demand would move to a new high level. During the First World War there was such an increase in output to meet the export demand.

The relative stability of per capita food consumption from 1909 to 1938 conceals diverse tendencies. There was, for example, a secular decline in the consumption of potatoes, sweetpotatoes, and flour and grain products, contrasted to a long-run rise in fruits and vegetables. The effect of changes in demand resulting from changes in income is clear in the consumption of sugar and sirups, eggs and meats, poultry and fish, which was relatively high in the 1920's and relatively low in the thirties. Consumption of dairy products rose rapidly in the twenties, but did not lose all the gain in

NOTE.—Mr. Cohen is a member of the National Economics Division, Office of Business Economics.

Table 1.—Per Capita Food Consumption,¹ 1909 to 1947

[Index, 1935-39=100]

Year	Index	Year	Index	Year	Index	Year	Index
1909.....	98	1919.....	98	1929.....	102	1939.....	104
1910.....	97	1920.....	97	1930.....	100	1940.....	105
1911.....	98	1921.....	94	1931.....	100	1941.....	108
1912.....	98	1922.....	99	1932.....	98	1942.....	108
1913.....	96	1923.....	101	1933.....	97	1943.....	107
1914.....	97	1924.....	102	1934.....	99	1944.....	112
1915.....	96	1925.....	101	1935.....	96	1945.....	114
1916.....	96	1926.....	102	1936.....	99	1946.....	118
1917.....	96	1927.....	101	1937.....	100	1947 ²	117
1918.....	95	1928.....	102	1938.....	100		

¹ Civilian consumption for the years 1941 through 1947.² Estimate based on October crop report.

Source: U. S. Department of Agriculture.

the 1930's. These, and the more erratic fluctuations in specific commodities, did not, however, have a strong influence on the total index.

High Postwar Consumption

In sharp contrast with this stability, the index of per capita food consumption has risen dramatically since 1938. The only hesitation in this rise occurred in the war years 1942 and 1943, coincident with a sharp expansion in military and export requirements. Civilian per capita food consumption resumed its ascent in 1944 and 1945. In the first full peacetime year, 1946, it reached the all-time high of 118 and receded slightly to 117 to 1947.

Apparently, output could and did respond to the large increase in domestic as well as export demand. Patriotic and economic incentives for maximum production in this period played an important part. In addition, Government policy was directed toward increasing agricultural output. Special efforts were made to aid farmers in obtaining labor, equipment, and supplies. Support prices were enacted to remove fears of unwanted crops. The increase in output was achieved through more intensive as well as more extensive cultivation, through the greater use of fertilizers, through the accelerated use of improved methods and techniques of farming, and partly because of favorable weather conditions.

The strength of the domestic demand since the war, which has provided much of the incentive to maximize production, is discussed in a later section of this article. For the moment it is sufficient to emphasize that production has increased enough to take care of increased exports and to provide a much higher domestic consumption per capita.

The resulting increase of 17 to 18 percent in the BAE index over prewar took place in spite of a continuation of the decline in the consumption of potatoes, and no increase in flour and grain products (see table 2). Butter also declined and there was only a slight increase in sugar and sirups. These categories accounted for one-fifth of the 1935-39 weights. The rise, therefore, is due to the remaining four-fifths, particularly meats, dairy products, eggs, and fruits and vegetables.

Over the same period there has been an increase of 5 percent in per capita consumption in terms of calories. The balance of the 17 to 18 percent is in the shifts to more healthful and more palatable foods. This increase in the quantity and variety of food consumed during and since the war deserves special comment. In this respect, consumers have improved their living substantially, despite high costs.

Is this statement applicable to all groups in the economy? It would take a comprehensive field investigation of physical consumption to provide the definitive answer. In the absence of such a study, however, several deductive observations can be made. As one such deduction, it can be assumed that most consumers are eating better than they did before the war. If any large part of the population did not participate in the increase, or actually experienced a decline,

Table 2.—Civilian Per Capita Food Consumption, by Major Groups,¹ 1946 and 1947

[Index, 1935-39=100]

	1946	1947
Total food.....	118	117
Dairy products, excluding butter.....	140	132
Butter.....	61	69
Eggs.....	124	126
Meats, poultry, fish.....	122	124
Potatoes and sweetpotatoes.....	91	93
Beans, peas, nuts.....	123	110
Fats and oils, excluding butter.....	117	110
Flour and grain products.....	100	100
Sugar and sirups.....	87	102
Fruits.....	120	124
Vegetables.....	126	120
Coffee, tea, cocoa, spices.....	123	116

¹ Preliminary.

Source: U. S. Department of Agriculture.

the average rise of 17 to 18 percent would imply an extremely large increase for the groups that did benefit.

Several factors can be suggested which indicate that the lower income groups have shared in this increase. First, there are the increased incomes of millions of wage earners and entrepreneurs who were out of work before the war. It is difficult to believe that they have not participated in the increase. While particular individuals employed in both periods may have had a decline in real income and therefore have been forced to reduce their food consumption from prewar levels, employees in the aggregate have had a considerable increase in real income. Second, there is the increased progressiveness of the tax system since prewar. Third, there are the influence of rent controls and the continuing effects of wartime food habits. These factors affect the low income groups.

As discussed previously, the BAE index does not reflect all the elements of consumption. The 17 to 18 percent increase since prewar undoubtedly understates the rise in food consumption in all its aspects. There are, however, no good direct measures of these other elements of consumption. Any attempt at indirect measurement by deflating dollar expenditures for food by appropriate price series runs into serious difficulties.

Where such attempts have been made, a rise substantially greater than 17-18 percent is indicated. Though some of this increase may arise from statistical inadequacies, it seems reasonable to assume that much of the rise is real. That is, the additional elements of consumption, such as further processing not reflected in the BAE index, quality shifts within the 68 food groups, and servicing, have increased significantly. What may have been long-run tendencies in processing and servicing were continued, if not accelerated, during and since the end of the war.

Food Expenditures

The combination of all the elements of consumption plus price yields expenditures. Personal consumption expenditures on food, excluding alcoholic beverages, as estimated by the Office of Business Economics, increased from the 1935-39 average of 15.4 billion dollars per year to over 50 billion dollars in 1947.

This food expenditure series distinguishes four major groups:

1. Food purchased for off-premise consumption.
2. Purchased meals.
3. Food furnished without monetary consideration to these nonfarm groups:
 - (a) Government employees, including military.
 - (b) Commercial employees.
 - (c) Withdrawn by nonfarm proprietors (for personal use).
4. Food produced and consumed on the farm.

A similar break-down is not now available excluding alcoholic beverages.

Stable Prewar Ratio to Income

Table 3 shows each of these categories as a percent of disposable personal income. From 1929 to 1940 food represented from 22.5 to 24.5 percent of this income. Data are not available for the decade prior to 1929, but such material as is at hand indicates approximately the same ratios for the previous decade.

Table 3.—Food Expenditures as Percent of Disposable Personal Income, 1929 to 1947

Year	Total food excluding alcoholic beverages	Including alcoholic beverages				
		Total	Food purchased for off-premise consumption	Purchased meals	Food furnished without monetary consideration to nonfarm groups	Food produced and consumed on farms
1929	23.9	23.9	17.6	3.7	0.6	1.9
1930	24.5	24.5	18.0	3.9	.7	1.9
1931	23.5	23.5	16.9	4.1	.6	1.8
1932	23.8	23.8	16.8	4.4	.7	1.9
1933	24.2	25.6	18.7	4.1	.7	2.1
1934	23.7	27.6	20.5	4.5	.7	1.9
1935	23.6	28.0	20.6	4.6	.7	2.1
1936	23.2	28.0	20.8	4.6	.7	1.9
1937	23.2	28.1	20.5	5.0	.7	1.8
1938	24.0	29.0	21.2	5.3	.7	1.8
1939	22.6	27.5	19.9	5.3	.6	1.6
1940	22.6	27.4	19.8	5.4	.6	1.5
1941	21.9	26.5	19.0	5.4	.7	1.4
1942	21.8	26.3	18.6	5.3	1.0	1.4
1943	22.4	27.0	18.1	6.0	1.5	1.4
1944	21.8	26.7	17.5	6.1	1.9	1.3
1945	23.0	29.1	18.8	7.0	2.0	1.3
1946	27.1	32.6	22.4	7.7	1.0	1.5
1947 ¹	29.1	34.1	24.5	7.2	.8	1.5

¹ Preliminary estimates based on incomplete data.

² In the absence of data for 1947, expenditures for alcoholic beverages for that year have been assumed to be the same as for 1946.

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

The even less satisfactory data prior to World War I, however, suggest a figure of over 25 percent. Through the inter-war period the position of agriculture was less favorable than in the period preceding World War I. The parity price ratio, i. e., prices received by farmers divided by prices paid by farmers, between 1921 and 1940 never exceeded 92 percent of 1909-14.

The typical inter-war ratio of total food expenditures to income was 23 to 24 percent. Of this, 17 to 17.5 percent was off-premise consumption, 3.5 to 4 percent was purchased meals, and 2.5 percent was nonmonetary farm and nonfarm food. These percentages differ from those shown in table 3 because of a rough allowance to exclude alcoholic beverages.

The ratios of expenditures to income were not greatly affected by changes in the level of income from prosperity to depression, or vice versa. In technical language, the line of regression which expresses the cyclical relationship between food consumption expenditures and disposable personal income in this period would pass very nearly through the origin.

While the supply and, therefore, the consumption of food in all its aspects probably were not as inflexible in the inter-war period as the BAE index, changes in income and the resulting changes in expenditures were necessarily reflected primarily in changes in food prices. The stability in the ratio of food expenditures to income was the result of the income elasticity of demand plus the price elasticity of demand.¹

Wartime Curbs on Expenditures

As shown in table 3, the ratio of food expenditures to income declined during the war in contrast to the prewar pattern. Fundamentally, this resulted from the fact that

¹ The regression line of food expenditures on disposable income cannot be used directly to estimate the income elasticity of the demand for food. Income elasticity is defined as the percentage change in expenditure associated with a 1 percent change in income, holding food prices constant and, therefore, implicitly assuming that food supply varies with income. As emphasized above, the food supply was relatively inflexible in the inter-war period while food prices varied greatly. Only if price elasticity of demand for food were unity could income elasticity be computed directly from income and expenditure time series.

incomes rose sharply while food prices and consumption were held in check. The limited supply of other goods and services in this period probably would have resulted in relatively more money being spent on food, but rationing and price controls minimized competitive bidding for the available civilian food supply. The difference between what was spent and what would have been spent in the absence of the controls was channeled into personal saving.

While the ratio of total food expenditures to income declined during the war, restaurant expenditures rose relative to income. This took place because of increased employment of women, break-up of homes by draft into the armed forces, absence of rationing in restaurants, inability to spend record incomes in other ways, and wartime population movements. This increase occurred in spite of price control, and was limited by the available supply. Labor, space, and equipment shortages hindered the further wartime expansion of this segment of food expenditures.

Nonfarm food which did not pass through market channels increased in relative importance during the war, primarily as a result of food furnished the military. As explained in the July 1947 Supplement to the *Survey of Current Business*, payment in kind to the armed forces, including food, is counted as income "to make the measurement of military income conform more closely to the measurement of income from civilian labor." Since it is included as income, it must also be shown as expenditure.

Postwar Increase in Expenditures

The ratio of food expenditure to disposable personal income rose from 22 percent in 1944 to 24 percent in 1945. This can be explained by the decline in noncivilian demand and the concomitant scrapping of rationing controls in the latter half of the year. The end of the war was followed promptly by the abolition of rationing of processed foods in August, increased meat rations in September, and the end of meat rationing in November. By the close of the year, only sugar remained under rationing control. Expenditures for off-premise food and purchased meals both shared equally in the 1945 rise.

In 1946, the food expenditure-income ratio rose still higher—to 27 percent. The abolition of all price controls in the second half of the year is particularly evident in the ratio of expenditures for off-premise food to income, which rose from less than 16 percent in 1945 to over 19 percent in 1946 (again making a rough allowance to exclude alcoholic beverages). Expenditures for purchased meals accounted only for a moderately increased share of the consumer dollar in the same period. On the other hand, nonmonetary food declined with the demobilization of the armed forces and the sharply decreased food furnished the military.

By 1947, the first complete postwar year without either price or rationing controls, the ratio of food expenditures to income rose still higher—from 27 to 29 percent—exceeding any experience since the first World War. Preliminary data indicate that this upward tendency was still continuing in the fourth quarter of 1947.

Off-premise food expenditures were primarily responsible for this increased ratio, having jumped from 19 percent in 1946 to almost 22 percent in 1947 (again excluding alcoholic beverages). The ratio of expenditure for purchased meals to income receded from the high reached in 1946 because of the reversal of the factors responsible for that level—food equally obtainable for off- as well as on-premise consumption; greater stability in family location; and other ways of spending income.

The evidence thus indicates that food now accounts for more of the consumer's dollar than was typical in the prewar period, in fact for more than was true at any time since the readjustment after World War I. Eating at home is

responsible for more than two-thirds of this increased share and restaurant eating less than one-third.

While there has been a sizeable increase in the supply of food, particularly if the related processing and services are included, the larger part of the increase in food expenditures has resulted from the competitive bidding up of prices in the effort to redistribute the available supply. The bidding up of prices has occurred in spite of the fact that the supply of food available for domestic consumption as compared with the prewar period, has increased relatively more than at any time in the interwar period (table 1).

This may imply a distinct upward shift in consumer preferences for food. The nature of the shift is further illustrated by the relative increases in prices of major groups of food—which increases closely parallel the relative increases in consumption discussed earlier in this article.

The BLS retail price indexes for selected dates are shown in table 4. Meats, fish, and eggs have shown the largest rise since prewar. On the other hand, cereals, where per capita consumption has not increased at all, show the smallest price rise.

Of particular interest is the rise of 86 percent shown by meat prices from June 1946 to November 1947. This accounts for 60 percent of the total rise in the BLS retail food price index between those two dates.

Postwar Influences

To recapitulate, most consumers are eating substantially more food than in prewar years—an increase of 17 to 18 percent as measured by the BAE index, probably substantially more if the collateral elements of food consumption are included. To buy this food they are spending a larger share of their greatly expanded incomes—about 29 percent as compared with 23 to 24 percent in the prewar period. In spite of increased supplies of food, prices have been bid up sharply in the effort of individuals to increase their food consumption still further.

It is apparent that there are influences affecting consumer expenditure decisions which were not present before the war. What are these influences and how permanent are they likely to be?

Wartime Food Experience

On the demand side, possibly the most important of these influences is the effect of wartime food experience. During the war civilians ate more than ever before. Rationing was established for the purpose of making many foods equally available to all civilians without regard to income, and price controls were set at levels where they could afford to buy the rationed goods.

The mere establishment of a ration served to emphasize in the minds of consumers any deficiency in their food consumption below that ration. Furthermore, the placing of a

certain number of coupons in the hands of the consumer was a strong inducement to use those coupons.

Essentially, then, these controls, aided by food subsidies, served to channel food to the lower income groups,² that, on the whole, probably ate more and better food than in prewar years. Added to this is the fact that the 14 million men and women who served in the armed forces typically ate more food than they did as civilians. Finally, nutritional education, which reached a far greater number of people than ever before, stimulated greater consumption of "protective" foods.

Since the war, higher income families undoubtedly have returned at least part way to the higher levels of consumption to which they were accustomed before the war. Lower income groups have tended to resist any reduction below the higher standards which they reached during the war.

This wartime experience, at least in part, may be expected to have a continuing influence upon food consumption and food expenditures. Its current effectiveness, however, has been enhanced by greater availability of buying power for food than is likely to be true in the long run.

Along with the carry-over of wartime food experience are several influences encouraging or facilitating the expenditure of a larger share of current income for food. Among these influences are rent controls, wartime accumulation of liquid assets, and limited supplies of some durable goods.

Rent Controls

Rent control has resulted in a smaller proportion of the consumer dollar being used for housing than at any time in the past forty years. In 1947, nonfarm tenant-occupied housing represented less than 3 percent of disposable income, while from 1929 to 1940 it exceeded 5 percent. Today more income is available for other goods and services than would ordinarily be the case. While it is recognized that if rents were not controlled rental incomes would also be increased, it seems probable that landlords and those who supply services to landlords would increase their food expenditures by less than tenants would decrease theirs. It is likely that a part of the rent increase would be paid at the expense of less food expenditures. Accordingly, this factor has considerable importance for tenants, many of whom are in the lower income groups.

Wartime Accumulation of Liquid Assets

The accumulation of liquid assets in the hands of consumers as the result of wartime savings has permitted individual families to spend in excess of postwar income. For consumers in the aggregate, however, its significance lies in the effect on the use of current income. Having accumulated a sizable reserve against the proverbial rainy day, people are willing to spend a larger share of their current income for current consumption, including food.

For consumers in the aggregate this reserve is not dissipated by current expenditure, although some families may draw on the reserve while others are adding to it out of current income. The adequacy of this accumulation of buying power can, however, be reduced by further increases in prices. In the long-run its influence on current spending can be reduced by shifts in the location of the assets—into insurance reserves for example—or simply because people become accustomed to holding larger balances.

The amount of current and accumulated buying power going for the purchase of consumer durable goods is still restricted by the limited output of some of those goods, particularly automobiles. This has meant that additional disposable income has been available for other goods and services because the deferred replacement demand and demand arising from higher incomes have not been satisfied promptly. This influence will last only so long as shortages exist.

Table 4.—Retail Food Prices, June 1946 and November 1947

[Index, 1935-39=100]

	June 1946	November 1947	Relative importance September 1947
All foods.....	145.6	202.7	100.0
Cereals and bakery products.....	122.1	167.9	13.0
Meats, poultry, and fish.....	134.0	227.0	33.1
Meats.....	120.4	223.6	27.1
Chickens.....	162.8	184.6	3.0
Fish, fresh and canned.....	219.7	302.4	3.0
Dairy products.....	147.8	198.4	18.5
Eggs.....	147.1	224.7	6.4
Fruits and vegetables.....	183.5	199.6	20.3
Beverages.....	125.4	194.7	2.7
Fats and oils.....	126.4	196.4	3.0
Sugar and sweets.....	136.2	183.2	3.0

Source: U. S. Department of Labor, Bureau of Labor Statistics.

² See Wartime Food Purchases, Bureau of Labor Statistics Bulletin No. 838.

The additional disposable income resulting from rent controls and limited output of selected durable goods and the backlog of wartime savings have been effective both through the income and price elasticity of demand for food. The former is increased since more income is available, while the latter is lowered because price resistance takes place at higher levels.

Experience during and after the First World War also suggests that the current free-spending attitude of consumers may not continue. The limited data for that period indicate that the proportion of disposable income spent for food dropped appreciably with the ending of the immediate postwar boom. There was also the development of new outlets for expenditures such as the automobile and what went along with its use.

Food Supply Continues High

On the supply side, the generally big farm output achieved in the war years has continued. Weather conditions in 1947 were less favorable than in the preceding years of high production but their immediate adverse effect was limited largely to food grains. Their indirect effect on output of animal products was largely postponed until 1948.

It now appears that total 1947 agricultural output was very little higher than 1943 and that 1948 will not show substantial improvement because of the livestock component. The expectation still is, however, that a moderate increase in production may occur after 1948. The increase will presumably at least keep pace with population changes and may be expected as a result of rapid mechanization, better fertility practices, greater soil conservation, better cultural practices, and shifts in the utilization of agricultural land.

In addition to the increased agricultural output, further processing and servicing have also contributed to a greater food supply in the fullest sense of the term.

Exports Limit Increase in Supply

As indicated above, the extent of the increase in the domestic supply of food during and since the war has been limited by the shift from net imports to net exports of food. This parallels a somewhat similar development during and after the first World War. The dollar exports and imports of food-stuffs since 1909 are shown in table 5.

Before World War I food exports slightly exceeded imports. In 1918 and 1919 food exports were about two and a half times imports. Then began a substantial curtailment in

our foreign markets, especially in grains. In every year from 1925 through 1941 the United States was a net food importer. Part of this decline in exports resulted from programs introduced or expanded in Continental Europe.

Again in World War II food exports increased greatly relative to imports, and in 1947 grains and preparations made up roughly half of these exports. To the extent that foreign agricultural economies function effectively and have favorable weather, it is to be expected that food exports will decline. If attempts to return to freer world trade are successful, however, the decline may not be so great as after World War I. Food imports expressed in quantity rather than value terms should increase moderately as the output of tropical products expands to meet world demand.

Thus, on the whole, the outlook on the supply side suggests the ability to maintain, if not to increase, present domestic per capita consumption. Combined with the waning of the temporary influences on the demand side it should with time relieve the upward pressure on prices.

Summary

Since the war, consumers as a whole have been eating more food than in the interwar period, at least 17 to 18 percent more per capita and probably much more if all the elements of food consumption are included. Yet they are devoting 29 percent of their greatly increased disposable income for this purpose, contrasted to a prewar 23 to 24 percent.

The effect of wartime food experience, plus the continuing influence of rent controls, limited supplies of some durable goods, and the wartime accumulation of liquid assets are the primary factors which may account for this apparent shift in the level of demand. The middle two of these are temporary in nature, while the importance of the last-mentioned will decrease to the extent of further price rises, a shift in the form of accumulated saving and consumers' becoming accustomed to larger liquid holdings. Evaluation of the permanence or impermanence of the first factor will be possible only when a test is available under more normal conditions of general production and supply than have prevailed in the postwar experience to date.

Concurrent with this increased demand was an increased wartime food supply, which resulted from patriotic and economic incentives and Government policy. This increased supply has continued after the war, and with the demobilization of the armed forces, more food was available for civilian use.

The increase in the domestic supply has been limited by the amount of net exports, particularly grains and preparations. This effect of net exports should be classed as temporary, although any Government action as exemplified by the proposed European Recovery Program can postpone for a time the anticipated decline. However, the drop under such an assumption may not parallel the post World War I experience.

In contrast to the prewar interrelationships between income and price elasticity of demand for food which resulted in a stable ratio of food expenditures to income, these postwar influences in the first year completely free from food controls resulted in food taking 5 to 6 percent more of the consumer dollar than prewar. This has been most vividly expressed in the postwar rise in the retail price of meat.

Even though the assumption is made that the per capita domestic supply and consumption of food will be maintained at substantially above the prewar level, there is little warrant for the further assumption that the present high ratio of food expenditures to disposable income and the resulting relatively high prices for food will continue indefinitely. The probability would appear to be on the side of adjustment toward—although not necessarily down to—the prewar pattern.

Table 5.—Exports and Imports of Foodstuffs, 1909 to 1947¹

[Millions of dollars]

Year ²	Exports	Imports	Net ex-ports	Year ²	Exports	Imports	Net ex-ports
1909.....	439	330	109	1929.....	754	963	-209
1910.....	369	327	42	1930.....	542	693	-151
1911.....	385	353	32	1931.....	374	527	-153
1912.....	419	426	-7	1932.....	241	407	-166
1913.....	503	406	97	1933.....	203	406	-203
1914.....	430	476	-46	1934.....	227	518	-291
1915.....	962	510	452	1935.....	216	641	-425
1916.....	1,069	599	470	1936.....	202	735	-533
1917.....	1,316	738	578	1937.....	283	853	-570
1918.....	1,953	743	1,210	1938.....	433	571	-138
1919.....	2,641	1,101	1,540	1939.....	313	604	-291
1920.....	2,035	1,816	219	1940.....	241	562	-321
1921.....	1,358	668	690	1941.....	502	698	-196
1922.....	1,047	717	330	1942.....	993	624	369
1923.....	840	893	-53	1943.....	1,660	1,005	655
1924.....	966	947	19	1944.....	1,767	1,362	405
1925.....	892	928	-36	1945.....	1,678	1,155	523
1926.....	838	958	-120	1946.....	2,172	1,317	855
1927.....	884	956	-72	1947 ³	1,963	1,351	612
1928.....	761	956	-195				

¹ Including beverages. Import data are "general imports" through 1932, "imports for consumption" thereafter.

² Fiscal years 1909 through 1915. Calendar years 1916 through 1946.

³ First 10 months.

Source: U. S. Department of Commerce.

Monthly Business Statistics

The data here are a continuation of the statistics published in the 1942 Supplement to the SURVEY OF CURRENT BUSINESS. That volume contains monthly data for the years 1938 to 1941, and monthly averages for earlier years back to 1913 insofar as available; it also provides a description of each series and references to sources of monthly figures prior to 1938. Series added or revised since publication of the 1942 Supplement are indicated by an asterisk (*) and a dagger (†), respectively, the accompanying footnote indicating where historical data and a descriptive note may be found. The terms "unadjusted" and "adjusted" used to designate index numbers refer to adjustment of monthly figures for seasonal variation.

Data subsequent to November for selected series will be found in the Weekly Supplement to the Survey.

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947										
	November	December	January	February	March	April	May	June	July	August	September	October	November
GENERAL BUSINESS INDICATORS													
NATIONAL INCOME AND PRODUCT *													
Seasonally adjusted quarterly totals at annual rates:													
National income..... bil. of dol.	191.0	197.6	200.1	203.3									
Compensation of employees..... do	122.2	124.7	126.3	129.7									
Wages and salaries..... do	117.1	119.4	120.9	124.7									
Private..... do	98.0	101.5	103.5	107.3									
Military..... do	5.6	4.6	4.1	3.9									
Government civilian..... do	13.5	13.3	13.2	13.4									
Supplements to wages and salaries..... do	5.1	5.4	5.5	5.0									
Proprietors' and rental income..... do	46.7	47.0	47.2	47.3									
Business and professional..... do	22.0	22.4	21.9	22.1									
Farm..... do	17.8	17.6	18.0	17.9									
Rental income of persons..... do	7.0	7.0	7.2	7.3									
Corporate profits and inventory valuation adjustment..... bil. of dol.	18.8	22.4	23.3	22.9									
Corporate profits before tax..... do	27.1	29.0	27.4	27.4									
Corporate profits tax liability..... do	11.0	11.6	10.8	10.8									
Corporate profits after tax..... do	16.1	17.4	16.6	16.6									
Inventory valuation adjustment..... do	-8.3	-6.6	-4.1	-4.5									
Net interest..... do	3.2	3.3	3.3	3.4									
Gross national product..... do	218.6	223.1	229.1	232.3									
Personal consumption expenditures..... do	154.9	158.0	162.0	166.0									
Durable goods..... do	18.2	18.5	19.2	19.9									
Nondurable goods..... do	33.6	33.3	33.8	33.4									
Services..... do	43.1	44.2	45.0	46.1									
Gross private domestic investment..... do	30.4	29.4	29.1	30.4									
New construction..... do	9.3	10.3	9.6	10.4									
Producers' durable equipment..... do	15.7	16.5	18.0	18.0									
Change in business inventories..... do	5.4	2.7	1.5	2.0									
Net foreign investment..... do	5.2	8.3	10.5	7.7									
Government purchases of goods and services..... bil. of dol.	28.2	27.4	27.5	28.2									
Federal (less Government sales)..... do	16.9	16.0	15.6	15.8									
State and local..... do	11.2	11.4	11.9	12.5									
Personal income..... do	187.5	190.9	192.3	200.4									
Less: Personal tax and nontax payments..... do	19.5	21.2	21.4	21.7									
Equals: Disposable personal income..... do	168.0	169.7	170.9	178.7									
Personal savings \$..... do	13.1	11.7	8.9	12.7									
PERSONAL INCOME*													
Seasonally adjusted, at annual rates:													
Total personal income..... bil. of dol.	188.4	190.3	191.5	191.8	191.8	191.5	195.1	196.1	194.9	210.9	* 204.4	204.9	
Wage and salary receipts, total..... do	115.4	117.1	117.5	117.5	117.5	116.7	118.3	121.1	121.2	124.5	* 125.2	127.5	
Total employer disbursements..... do	117.2	118.8	119.2	119.6	119.6	118.9	120.4	122.2	123.3	124.6	* 127.2	129.4	
Commodity-producing industries..... do	50.6	52.3	53.1	53.2	53.7	53.2	54.1	55.5	55.1	56.2	* 58.1	59.6	
Distributive industries..... do	33.0	33.5	33.5	33.7	33.7	33.4	34.2	35.3	35.5	35.7	* 36.4	37.0	
Service industries..... do	14.4	14.4	14.6	14.6	14.6	14.8	14.9	15.2	15.4	15.3	15.2	15.2	
Government..... do	19.2	18.6	18.0	18.1	17.6	17.5	17.2	17.2	17.3	17.4	17.5	17.6	
Less employee contributions for social insurance..... bil. of dol.	1.8	1.8	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	* 2.0	1.9	
Other labor income..... do	1.6	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.9	1.9	
Proprietors' and rental income..... do	47.6	47.2	46.6	46.8	47.7	46.9	46.9	47.6	47.8	45.9	* 50.6	49.9	
Personal interest income and dividends..... do	13.5	13.7	13.9	14.0	14.0	14.0	14.1	14.2	14.3	15.0	14.9	15.1	
Total transfer payments..... do	10.3	10.4	11.1	10.7	10.9	10.9	10.5	10.5	11.1	10.4	21.2	11.8	10.5
Total nonagricultural income..... do	165.6	167.3	168.2	168.5	168.8	167.8	169.2	171.9	172.3	173.1	* 180.1	181.5	
NEW PLANT AND EQUIPMENT EXPENDITURES*													
All industries, total..... mil. of dol.	3,730				3,160			3,940		4,070			
Electric and gas utilities..... do	360				330			330		510			
Manufacturing and mining..... do	1,920				1,600			2,010		2,010			
Railroad..... do	180				160			220		290			
Commercial and miscellaneous..... do	1,280				1,080			1,260		1,250			
FARM INCOME AND MARKETINGS													
Cash farm income, total, including Government payments*..... mil. of dol.	2,999	2,438	2,284	1,897	2,076	1,974	2,026	2,211	2,662	2,517	3,060	3,773	
From marketings and C. C. C. loans*..... do	2,986	2,420	2,248	1,853	2,010	1,914	1,989	2,185	2,657	2,505	3,049	* 3,759	3,096
Crops*..... do	1,450	999	918	707	692	594	621	743	1,205	1,187	1,497	* 2,122	1,540
Livestock and products*..... do	1,536	1,421	1,330	1,146	1,318	1,320	1,368	1,442	1,452	1,318	1,552	* 1,637	1,556
Dairy products*..... do	315	317	330	292	345	345	379	392	382	353	334	319	293
Meat animals*..... do	933	829	807	667	743	726	705	782	785	711	958	1,039	970
Poultry and eggs*..... do	274	266	187	181	224	236	261	234	251	232	244	262	280

* Revised. † Personal savings is the excess of disposable income over personal consumption expenditures shown as a component of gross national product above.

* New series. Quarterly data for 1939-46 and annual data beginning 1929 for national income and gross national product and monthly data for 1929-46 for personal income are published in the "National Income Supplement to Survey of Current Business", which is available from the Superintendent of Documents, Washington, D. C., for 25 cents; these series are compiled by the U. S. Department of Commerce. For source and a brief description of the series on plant and equipment expenditures, see note marked "†" on p. 8-2 of the September 1947 Survey; third quarter of 1947 estimates are based on anticipated capital expenditures of business. Revisions for January 1945-May 1946 for farm income are available on request; see note in September 1947 Survey regarding earlier data.

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947										
	November	December	January	February	March	April	May	June	July	August	September	October	November
GENERAL BUSINESS INDICATORS—Continued													
FARM INCOME AND MARKETINGS—Con.													
Indexes of cash income from marketings and C. C. C. loans, unadjusted:													
All commodities†.....1935-39=100...	449	364	338	279	303	288	299	329	400	377	459	† 566	466
Crops†.....do.....	508	350	322	247	242	208	217	260	422	416	524	† 743	539
Livestock†.....do.....	405	375	351	302	348	349	361	381	383	348	410	† 432	411
Indexes of volume of farm marketings, unadjusted:													
All commodities*.....1935-39=100...	168	150	147	120	122	116	126	138	167	152	172	† 199	160
Crops*.....do.....	169	153	154	115	101	80	87	106	180	170	202	† 255	170
Livestock*.....do.....	166	148	142	124	138	143	156	161	156	138	150	† 157	153
INDUSTRIAL PRODUCTION													
<i>Federal Reserve Index</i>													
Unadjusted, combined index†.....1935-39=100...	183	180	184	185	187	185	185	185	178	185	191	193	† 192
Manufactures†.....do.....	192	188	192	193	195	193	191	191	184	† 191	197	200	† 199
Durable manufactures†.....do.....	214	209	218	220	223	222	219	220	208	212	219	224	† 225
Iron and steel.....do.....	178	159	192	191	196	195	197	193	181	188	195	204	† 202
Lumber and products†.....do.....	139	129	126	135	140	143	145	149	141	151	150	150	† 146
Furniture.....do.....	157	160	161	167	166	161	158	160	155	† 160	164	† 172	† 176
Lumber†.....do.....	131	114	107	118	126	134	138	143	133	147	143	† 138	† 131
Machinery†.....do.....	271	276	277	277	281	276	273	275	266	267	276	† 280	† 282
Nonferrous metals and products†.....do.....	192	197	203	208	202	197	187	179	171	170	174	† 179	† 184
Fabricating*.....do.....	198	203	211	215	205	195	183	176	167	167	171	† 180	.....
Smelting and refining*.....do.....	176	182	184	190	196	203	198	187	180	180	182	† 176	.....
Stone, clay, and glass products†.....do.....	207	203	208	205	209	208	206	209	196	† 207	211	† 211	† 206
Cement.....do.....	175	161	148	154	157	166	148	183	181	193	198	202	.....
Clay products*.....do.....	155	158	156	156	159	166	162	163	160	166	166	† 170	† 171
Glass containers†.....do.....	254	247	273	255	269	263	269	254	225	241	248	236	232
Transportation equipment.....do.....	235	235	229	233	239	237	225	233	217	† 213	† 227	† 233	† 238
Automobiles†.....do.....	187	187	181	190	197	193	179	191	185	† 180	† 197	198	† 200
Nondurable manufactures†.....do.....	174	172	171	171	171	169	169	168	165	173	178	180	† 178
Alcoholic beverages†.....do.....	196	210	206	195	187	182	167	178	182	181	206	252	.....
Chemicals†.....do.....	244	250	250	252	254	253	252	247	245	245	† 248	250	† 251
Industrial chemicals*.....do.....	411	422	430	429	431	433	435	439	438	431	425	† 425	† 426
Leather and products†.....do.....	123	114	116	123	121	115	113	106	99	116	121	† 125	.....
Leather tanning*.....do.....	114	110	113	127	121	118	119	112	100	114	118	122	.....
Shoes.....do.....	129	117	118	121	121	113	109	103	97	117	123	† 127	.....
Manufactured food products†.....do.....	158	157	149	140	140	144	144	149	154	166	† 178	181	† 159
Dairy products†.....do.....	† 96	† 95	† 107	† 107	† 127	† 161	† 202	† 229	† 229	† 192	† 156	† 121	.....
Meat packing.....do.....	181	175	191	152	138	139	151	150	146	127	136	144	† 189
Processed fruits and vegetables*.....do.....	147	132	162	86	83	88	90	101	173	263	† 287	† 171	† 124
Paper and products.....do.....	153	150	156	157	159	156	161	160	145	156	157	161	.....
Paper and pulp.....do.....	147	146	150	151	154	150	155	155	140	151	150	155	.....
Petroleum and coal products†.....do.....	† 177	† 178	† 180	† 182	† 185	† 179	† 184	† 191	† 195	† 201	† 203	† 203	.....
Coke.....do.....	152	143	171	175	172	166	168	165	161	171	170	170	.....
Petroleum refining†.....do.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Printing and publishing†.....do.....	135	141	133	138	145	144	145	146	130	139	145	† 156	† 159
Rubber products†.....do.....	243	252	247	246	239	234	220	216	207	† 210	† 217	† 223	† 226
Textiles and products†.....do.....	174	164	172	173	172	166	164	155	142	154	160	† 164	† 171
Cotton consumption.....do.....	164	141	161	161	160	154	148	133	118	130	130	139	149
Rayon deliveries.....do.....	256	254	263	262	270	270	271	263	263	267	279	† 280	291
Wool textile production.....do.....	181	180	171	178	172	159	161	155	130	156	168	168	.....
Tobacco products.....do.....	172	138	157	160	149	151	142	165	162	165	172	181	172
Minerals†.....do.....	135	132	141	141	143	139	153	152	145	155	158	† 158	† 155
Fuels†.....do.....	140	141	151	150	153	144	156	153	144	155	160	162	† 164
Anthracite†.....do.....	123	121	118	107	113	102	104	110	93	114	122	126	† 119
Bituminous coal†.....do.....	116	130	173	162	163	127	165	147	117	151	161	† 163	† 169
Crude petroleum.....do.....	150	147	146	150	153	155	157	159	160	161	164	† 166	† 166
Metals.....do.....	105	76	81	84	83	112	140	148	151	151	144	132	.....
Adjusted, combined index†.....do.....	183	182	189	189	190	187	185	184	176	182	186	190	† 192
Manufactures.....do.....	191	190	196	197	198	194	191	191	183	188	192	† 197	† 198
Durable manufactures.....do.....	214	211	221	222	225	222	218	219	207	† 210	218	† 223	† 225
Lumber and products.....do.....	142	141	142	147	147	144	142	142	133	† 142	140	143	† 149
Lumber.....do.....	135	132	131	137	138	135	134	133	121	133	128	† 128	† 135
Nonferrous metals.....do.....	192	197	203	208	202	197	187	179	171	170	174	† 179	† 184
Smelting and refining*.....do.....	175	181	184	190	195	203	198	188	181	180	182	† 176	† 175
Stone, clay, and glass products.....do.....	202	210	219	219	218	211	200	207	195	199	† 202	† 201	† 201
Cement.....do.....	162	177	182	203	192	175	141	171	164	171	171	174	.....
Clay products*.....do.....	150	152	168	164	165	164	162	164	160	162	160	† 161	† 165
Glass containers.....do.....	251	265	278	263	269	263	251	257	235	231	243	229	230
Nondurable manufactures.....do.....	173	174	176	176	175	172	170	168	163	169	172	† 175	† 177
Alcoholic beverages.....do.....	213	234	241	223	208	189	162	159	164	176	198	229	.....
Chemicals.....do.....	243	249	251	251	251	251	253	250	251	249	248	† 248	† 249
Leather and products.....do.....	121	115	116	120	122	116	113	107	101	116	122	† 125	.....
Leather tanning*.....do.....	110	110	113	118	118	119	119	114	106	115	120	† 121	.....
Manufactured food products.....do.....	156	162	161	156	157	158	155	154	155	156	157	† 154	† 157
Dairy products.....do.....	† 146	† 147	† 148	† 149	† 153	† 154	† 152	† 155	† 157	† 147	† 148	† 147	† 147
Meat packing.....do.....	163	151	163	159	149	150	151	152	156	145	146	† 142	† 170
Processed fruits and vegetables*.....do.....	160	170	157	137	151	145	138	132	153	138	† 147	† 133	† 135
Paper and products.....do.....	153	150	156	157	159	156	161	160	146	157	157	161	.....
Paper and pulp.....do.....	147	146	150	151	154	150	155	155	140	151	151	155	.....
Petroleum and coal products.....do.....	† 177	† 178	† 180	† 185	† 185	† 179	† 184	† 191	† 195	† 201	† 203	† 203	.....
Petroleum refining†.....do.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Printing and publishing.....do.....	130	138	138	140	142	141	142	146	139	145	144	† 152	† 153
Textiles and products.....do.....	174	164	172	173	172	166	164	155	142	154	160	† 164	† 171
Tobacco products.....do.....	169	148	158	168	158	160	142	159	156	160	163	175	169
Minerals.....do.....	136	137	146	146	148	143	151	148	140	150	153	154	† 156
Metals.....do.....	117	111	117	122	117	136	124	122	117	117	111	107	.....

* Revised. † Preliminary. ‡ Index is in process of revision.

† New series. Data beginning 1939 for the new series under industrial production are shown on pp. 18 and 19 of the December 1943 Survey. For a description of the indexes of the volume of farm marketings and data for 1929-42, see pp. 23-32 of the April 1943 Survey; indexes since 1942 are from the U. S. Department of Agriculture; data beginning 1940 are subject to revision.

‡ Revised series. For revisions for the indicated unadjusted indexes and all seasonally adjusted indexes for the industrial production series, see pp. 18-20 of December 1943 Survey; seasonal adjustment factors for a number of industries were fixed at 100 beginning various months during 1929-42; data for these industries are shown only in the unadjusted series. Revisions for January 1945-May 1946 for the indexes of cash income from farm marketings are available on request; see note in September 1947 Survey, p. S-1, regarding earlier data.

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947										
	November	December	January	February	March	April	May	June	July	August	September	October	November
GENERAL BUSINESS INDICATORS—Continued													
MANUFACTURERS' ORDERS, SHIPMENTS, AND INVENTORIES													
New orders, index, total† ...avg. month 1939=100..	233	241	240	254	249	241	235	245	231	231	260	255	-----
Durable goods industries.....do.....	254	271	270	295	288	279	256	271	260	261	292	291	-----
Iron and steel and their products.....do.....	274	294	295	327	319	308	273	304	271	286	312	309	-----
Machinery, including electrical.....do.....	314	326	308	344	336	316	294	315	328	307	345	346	-----
Other durable goods.....do.....	186	204	215	224	217	219	209	202	194	199	230	229	-----
Nondurable goods industries.....do.....	221	223	222	229	226	219	222	230	213	213	240	233	-----
Shipments, index, total†.....do.....	267	276	274	290	288	288	283	292	271	282	315	318	328
Durable goods industries.....do.....	278	292	292	311	312	320	313	323	287	301	336	339	351
Automobiles and equipment.....do.....	235	255	246	267	268	276	258	280	264	252	298	307	308
Iron and steel and their products.....do.....	237	232	246	256	263	268	265	274	251	271	294	299	304
Machinery, including electrical.....do.....	315	346	326	364	364	366	368	395	340	352	393	391	412
Nonferrous metals and products.....do.....	319	340	335	366	366	371	365	347	291	311	340	355	366
Transportation equipment (exc. autos).....do.....	503	561	572	567	547	597	600	669	496	497	567	526	568
Other durable goods industries.....do.....	270	271	283	290	290	300	286	268	259	289	319	321	319
Nondurable goods industries.....do.....	260	266	260	275	272	265	262	271	260	269	300	304	312
Chemicals and allied products.....do.....	250	255	264	277	278	278	265	252	252	258	295	297	302
Food and kindred products.....do.....	306	306	291	309	301	282	282	298	292	295	332	335	368
Paper and allied products.....do.....	242	248	255	273	268	276	273	277	250	267	279	293	292
Products of petroleum and coal.....do.....	219	232	224	229	236	244	252	263	263	266	277	276	309
Rubber products.....do.....	313	352	290	315	322	311	300	312	289	300	-----	-----	-----
Textile-mill products.....do.....	221	219	213	228	222	209	199	216	188	205	234	234	231
Other nondurable goods industries.....do.....	240	251	254	267	263	265	263	265	256	271	302	307	286
Inventories:													
Index, total.....do.....	200	204	209	213	217	222	226	228	228	231	233	236	239
Durable goods industries.....do.....	215	220	226	232	238	244	251	254	256	259	261	264	265
Automobiles and equipment.....do.....	259	256	269	284	298	300	314	321	320	327	330	327	322
Iron and steel and their products.....do.....	137	138	140	142	143	145	150	157	160	163	164	165	165
Machinery, including electrical†.....do.....	284	290	299	306	316	326	334	339	341	343	346	351	354
Nonferrous metals and products*.....do.....	167	166	179	182	184	184	186	186	191	191	192	190	184
Transportation equipment (exc. autos).....do.....	781	819	816	860	897	923	959	966	970	990	998	1,022	1,031
Other durable goods industries†.....do.....	147	153	156	159	165	170	172	172	171	171	174	177	177
Nondurable goods.....do.....	187	190	195	197	199	203	204	205	204	206	207	211	215
Chemicals and allied products.....do.....	185	195	199	204	211	222	228	228	225	223	218	215	220
Food and kindred products.....do.....	199	202	206	203	202	201	199	194	196	210	215	219	222
Paper and allied products.....do.....	183	185	187	192	196	201	206	218	229	239	245	247	247
Petroleum refining.....do.....	134	133	134	133	136	139	142	145	148	152	154	157	160
Rubber products.....do.....	215	216	238	250	262	273	282	281	272	262	-----	-----	-----
Textile-mill products.....do.....	173	174	177	178	183	188	189	186	186	186	184	184	189
Other nondurable goods industries†.....do.....	207	208	217	221	222	223	222	228	222	218	219	225	232
Estimated value of manufacturers' inventories* mil. of dol.	19,896	20,259	20,805	21,176	21,612	22,058	22,424	22,618	22,678	22,936	23,120	23,436	23,714

BUSINESS POPULATION

OPERATING BUSINESSES AND BUSINESS TURN-OVER*													
Operating businesses, total, end of quarter													
thousands.....do.....	3,657.8	-----	-----	3,731.4	-----	-----	-----	3,783.6	-----	-----	-----	-----	-----
Contract construction.....do.....	246.4	-----	-----	267.2	-----	-----	-----	267.8	-----	-----	-----	-----	-----
Manufacturing.....do.....	305.1	-----	-----	312.1	-----	-----	-----	316.7	-----	-----	-----	-----	-----
Retail trade.....do.....	1,694.3	-----	-----	1,726.6	-----	-----	-----	1,747.6	-----	-----	-----	-----	-----
Wholesale trade.....do.....	168.8	-----	-----	173.1	-----	-----	-----	176.3	-----	-----	-----	-----	-----
Service industries.....do.....	695.4	-----	-----	709.6	-----	-----	-----	719.8	-----	-----	-----	-----	-----
All other.....do.....	547.9	-----	-----	552.9	-----	-----	-----	555.4	-----	-----	-----	-----	-----
New businesses, quarterly.....do.....	112.3	-----	-----	128.0	-----	-----	-----	108.9	-----	-----	-----	-----	-----
Discontinued businesses, quarterly.....do.....	49.8	-----	-----	54.4	-----	-----	-----	56.7	-----	-----	-----	-----	-----
Business transfers, quarterly.....do.....	88.5	-----	-----	126.8	-----	-----	-----	102.3	-----	-----	-----	-----	-----
INDUSTRIAL AND COMMERCIAL FAILURES													
Grand total.....number.....	104	141	202	238	254	277	378	283	299	287	292	336	313
Commercial service.....do.....	13	14	17	22	21	23	33	21	30	23	28	29	23
Construction.....do.....	9	18	15	20	13	16	20	23	17	19	20	25	25
Manufacturing and mining.....do.....	38	58	67	92	108	117	155	95	107	99	101	98	26
Retail trade.....do.....	36	35	76	70	88	84	119	108	105	102	103	129	115
Wholesale trade.....do.....	8	16	27	34	24	37	51	36	40	44	40	55	26
Liabilities, grand total.....thous. of dol.	12,511	17,105	15,193	12,976	15,251	16,080	17,326	18,982	37,137	14,903	10,034	21,322	16,345
Commercial service.....do.....	3,202	801	582	651	758	1,015	739	610	19,863	655	829	1,074	505
Construction.....do.....	136	266	575	766	341	247	321	664	384	176	444	2,301	537
Manufacturing and mining.....do.....	8,492	7,217	11,020	7,654	11,336	11,822	10,971	14,220	12,466	10,426	5,964	13,337	12,574
Retail trade.....do.....	392	1,025	1,674	1,396	1,169	1,503	3,037	1,614	2,280	1,668	1,390	2,289	1,531
Wholesale trade.....do.....	289	7,796	1,342	2,509	1,647	1,493	2,258	1,874	2,144	1,978	1,407	2,321	1,198
BUSINESS INCORPORATIONS													
New incorporations (4 states).....number.....	3,068	3,561	4,202	3,018	3,299	2,996	2,870	2,893	2,595	2,494	2,612	3,269	2,767

* Revised. † Preliminary.
 *New series. For estimated value of manufacturers' inventories for 1938-42, see p. 7 of the June 1942 Survey and p. S. 2 of the May 1943 issue. For data through 1944 for the series on operating businesses and business turnover, see pp. 21-23 of the May 1946 Survey and p. 10 of the May 1944 issue.
 † Revised series. See notes marked "†" on pp. 8-2 and 8-3 of the September 1947 Survey for reference to revised data for manufacturers' orders, shipments and inventories.

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947										
	November	December	January	February	March	April	May	June	July	August	September	October	November
COMMODITY PRICES													
PRICES RECEIVED AND PAID BY FARMERS													
Prices received, all farm products†... 1909-14=100...	263	264	260	262	280	276	272	271	276	276	286	289	287
Crops.....do.....	230	232	236	245	266	269	268	262	263	255	254	261	268
Food grain.....do.....	220	224	223	235	283	277	276	253	251	246	278	302	312
Feed grain and hay.....do.....	187	186	184	185	212	223	218	240	253	270	297	284	283
Tobacco.....do.....	399	406	399	390	390	387	390	390	390	383	352	357	354
Cotton.....do.....	236	242	240	246	257	260	270	275	289	267	252	247	257
Fruit.....do.....	186	211	196	203	215	223	222	228	215	177	181	166	151
Truck crops.....do.....	207	166	238	275	299	295	286	215	189	211	179	238	272
Oil-bearing crops.....do.....	342	334	336	334	360	358	326	318	314	308	311	344	349
Livestock and products.....do.....	294	294	281	278	292	282	275	278	286	295	315	313	304
Meat animals.....do.....	313	311	306	319	345	331	327	338	343	349	367	360	338
Dairy products.....do.....	307	312	292	270	269	257	241	233	244	258	282	283	293
Poultry and eggs.....do.....	230	226	201	192	199	204	203	205	220	224	246	251	242
Prices paid*.....													
All commodities..... 1910-14=100.....	224	225	227	234	240	243	242	244	244	249	253	254	257
Commodities used in living.....do.....	239	239	242	248	252	255	254	252	252	256	259	261	264
Commodities used in production.....do.....	204	207	207	215	224	227	226	233	234	239	246	246	248
All commodities, interest and taxes.....do.....	212	213	215	221	227	230	229	231	231	235	238	239	242
Parity ratio*.....do.....	124	124	121	119	123	120	119	117	119	117	120	121	119
RETAIL PRICES													
All commodities (U. S. Department of Commerce index)..... 1935-39=100.....	171.5	172.7	172.7	172.7	177.2	177.2	177.1	178.7	179.7	181.4	184.9	184.9	-----
Coal (U. S. Department of Labor indexes):													
Anthracite..... 1923-25=100.....	119.6	119.6	121.6	121.6	121.6	121.5	116.8	116.8	119.2	126.5	128.3	129.4	‡ 130.4
Bituminous.....do.....	116.5	117.6	121.9	122.2	122.3	122.5	123.4	123.6	129.5	139.1	‡ 139.4	140.5	‡ 143.9
Consumers' price index (U. S. Department of Labor):													
Combined index..... 1935-39=100.....	152.2	153.3	153.3	153.2	156.3	156.2	156.0	157.1	158.4	160.3	163.8	163.8	‡ 165.0
Apparel.....do.....	171.0	176.5	179.0	181.5	184.3	184.9	185.0	184.7	185.7	184.7	187.6	189.0	-----
Food.....do.....	187.7	185.9	183.8	182.3	189.5	188.0	187.6	190.5	193.1	196.5	203.5	201.6	‡ 203.0
Cereals and bakery products*.....do.....	140.6	141.7	143.4	144.1	148.1	153.4	154.2	154.6	155.0	155.7	157.8	160.3	-----
Dairy products*.....do.....	198.5	200.9	190.1	183.2	187.5	178.9	171.5	171.5	178.8	183.8	195.2	190.1	-----
Fruits and vegetables*.....do.....	184.5	185.0	187.9	191.7	199.6	200.4	207.0	205.0	202.0	199.8	198.2	196.6	-----
Meats*.....do.....	203.6	197.8	199.0	196.7	207.6	202.6	203.9	216.9	220.2	228.4	240.6	235.5	-----
Fuel, electricity, and ice.....do.....	114.8	115.5	117.3	117.5	117.6	118.4	117.7	117.7	119.5	123.8	124.6	125.2	-----
Gas and electricity*.....do.....	91.8	92.0	91.9	92.2	92.2	92.5	92.4	91.7	91.7	92.0	92.1	92.2	-----
Other fuels and ice*.....do.....	137.2	138.3	142.1	142.3	142.5	143.8	142.4	143.0	146.6	154.8	156.3	157.4	-----
Housefurnishings.....do.....	171.0	177.1	179.1	180.8	182.3	182.5	181.9	182.6	184.3	184.2	187.5	187.8	-----
Rent †.....do.....	-----	-----	108.8	108.9	109.0	109.0	109.2	109.2	110.0	111.2	113.6	114.9	-----
Miscellaneous.....do.....	132.5	136.1	137.1	137.4	138.2	139.2	139.0	139.1	139.5	139.8	140.8	141.8	-----
WHOLESALE PRICES													
U. S. Department of Labor indexes:													
Combined index‡..... 1926=100.....	139.7	140.9	141.5	144.5	149.5	147.7	147.1	148.0	150.6	153.6	157.4	158.5	159.5
Economic classes:													
Manufactured products‡.....do.....	134.7	135.7	136.7	139.7	143.3	141.9	141.7	141.7	144.0	147.6	151.6	‡ 154.1	152.1
Raw materials.....do.....	153.4	153.2	152.1	154.9	163.2	160.1	158.6	160.2	165.3	167.0	170.8	‡ 175.1	175.5
Semimanufactured articles.....do.....	129.1	136.2	138.8	142.1	145.9	144.5	144.9	145.9	147.0	149.5	151.9	154.0	156.4
Farm products.....do.....	169.8	168.1	165.0	170.4	182.6	177.0	175.7	177.9	181.4	181.7	186.4	189.7	187.9
Grains.....do.....	165.4	163.0	162.6	171.1	203.3	199.8	202.4	206.0	202.3	208.8	230.3	241.4	245.5
Livestock and poultry.....do.....	197.4	194.7	189.6	201.5	216.0	199.2	198.7	200.9	209.9	215.9	224.8	224.5	211.0
Commodities other than farm products‡.....do.....	132.9	134.8	136.1	138.6	142.1	141.0	140.6	140.7	143.6	147.2	150.8	‡ 151.5	153.1
Food.....do.....	165.4	160.1	156.2	162.0	167.6	162.4	159.8	161.8	167.1	172.3	179.3	177.8	178.0
Cereal products.....do.....	136.1	139.5	139.9	141.3	150.4	154.1	151.7	149.2	154.7	153.3	158.7	167.6	172.5
Dairy products.....do.....	182.9	180.0	164.6	161.8	157.6	148.8	138.8	140.9	152.8	164.3	170.6	167.3	175.9
Fruits and vegetables.....do.....	139.5	134.5	131.6	134.2	141.5	142.2	144.3	145.2	139.7	133.0	130.1	130.8	135.5
Meats.....do.....	202.8	188.2	183.4	199.5	207.3	196.7	203.0	208.6	217.9	234.6	244.8	230.0	217.6
Commodities other than farm products and foods‡..... 1926=100.....	120.7	124.7	127.6	128.5	131.1	131.8	131.9	131.4	133.4	136.0	138.2	‡ 140.0	142.1
Building materials.....do.....	145.5	157.8	169.7	174.8	177.5	178.8	177.0	174.4	175.7	179.7	183.3	185.8	187.5
Brick and tile.....do.....	129.1	130.0	132.2	132.3	132.4	134.5	134.5	134.7	143.3	144.3	145.4	145.6	147.3
Cement.....do.....	107.0	106.9	108.3	109.9	112.3	114.0	114.0	114.3	114.9	116.9	119.0	120.1	120.6
Lumber.....do.....	192.1	227.2	249.9	263.6	269.3	273.5	269.4	266.1	269.0	276.7	285.7	290.0	295.6
Paint and paint materials.....do.....	151.3	155.4	171.2	173.9	176.1	175.5	169.2	159.6	156.1	154.9	157.9	161.4	161.8
Chemicals and allied products†.....do.....	118.9	125.7	128.1	129.3	132.2	133.2	127.1	120.2	118.8	117.5	121.3	‡ 128.6	135.8
Chemicals.....do.....	106.9	111.8	112.7	113.8	114.5	119.5	118.7	118.7	119.9	117.5	118.2	122.1	124.3
Drug and pharmaceutical materials†.....do.....	152.8	181.2	181.7	182.5	182.7	181.0	173.6	156.1	137.4	136.6	136.6	137.5	151.1
Fertilizer materials.....do.....	96.3	95.1	99.9	99.2	101.8	101.2	102.5	101.8	103.5	105.5	109.8	111.3	112.0
Oils and fats.....do.....	191.0	203.0	210.6	214.3	231.5	220.1	179.9	139.2	134.8	133.3	155.6	‡ 193.4	226.7
Fuel and lighting materials.....do.....	94.5	96.1	97.7	97.9	100.7	103.4	103.3	103.9	108.9	112.5	114.1	115.9	118.1
Electricity.....do.....	65.2	65.8	64.9	65.7	64.3	64.3	64.1	64.4	65.0	64.5	65.2	-----	-----
Gas.....do.....	84.4	83.1	80.8	84.3	84.9	84.0	85.0	85.8	85.5	86.0	87.0	86.8	99.9
Petroleum products.....do.....	73.4	75.8	76.5	76.6	81.7	86.3	86.8	87.5	89.8	92.2	93.7	96.5	-----
Hides and leather products.....do.....	172.5	176.7	175.1	173.8	174.6	166.4	170.8	173.2	178.4	182.1	184.8	‡ 191.7	202.4
Hides and skins.....do.....	221.0	216.5	198.5	191.4	192.2	178.1	177.7	187.1	203.5	215.6	221.1	‡ 243.7	263.4
Leather.....do.....	178.1	185.0	181.6	181.1	183.7	158.0	176.3	178.9	187.4	190.7	197.4	204.3	216.0
Shoes.....do.....	162.9	169.9	170.6	171.5	171.5	172.1	172.2	172.6	173.2	174.9	175.2	178.0	187.0
Housefurnishing goods.....do.....	118.2	120.2	123.3	124.6	125.8	127.4	128.8	129.2	129.8	129.7	130.6	132.3	132.9
Furnishings.....do.....	124.4	126.3	128.4	129.6	131.4	134.4	136.9	137.2	138.1	138.1	138.5	139.3	140.0
Furniture.....do.....	111.8	113.9	118.2	119.5	120.0	120.0	120.3	120.9	121.1	120.9	122.4	124.9	125.5
Metals and metal products‡.....do.....	130.2	134.7	138.0	137.9	139.9	140.3	141.4	142.6	143.8	148.9	150.7	151.1	151.5
Iron and steel.....do.....	114.0	117.4	123.9	125.0	126.9	127.6	128.6	131.4	133.3	139.4	140.4	140.8	140.9
Metals, nonferrous.....do.....	118.4	129.3	130.5	131.3	139.0	141.0	143.9	142.9	141.8	141.8	142.0	142.0	142.2
Plumbing and heating equipment.....do.....	107.2	114.9	117.0	117.1	117.9	118.2	120.0	119.1	123.4	128.6	135.9	136.0	136.0

* Revised. † Preliminary. ‡ Formerly designated "cost of living" index.

§ Current prices of motor vehicles were introduced into the calculations beginning October 1946; April 1942 prices were carried forward in earlier computations; see previous issues of the Survey for explanation and for October

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947										
	November	December	January	February	March	April	May	June	July	August	September	October	November
COMMODITY PRICES—Continued													
WHOLESALE PRICES—Continued													
U. S. Department of Labor indexes—Continued													
Commodities other than farm, etc.—Con.													
Textile products.....1926=100.....	131.6	134.7	136.6	138.0	139.6	139.2	138.9	138.9	139.5	140.8	142.0	143.0	144.7
Clothing.....do.....	127.9	129.8	132.4	132.7	133.0	133.0	133.9	133.9	134.3	134.3	134.4	134.7	135.6
Cotton goods.....do.....	174.7	181.6	184.6	193.7	196.6	194.7	193.0	193.8	195.9	199.2	202.3	204.6	209.1
Hosiery and underwear.....do.....	89.3	96.9	99.3	100.0	100.8	100.8	100.8	100.8	100.4	99.9	99.9	100.0	101.4
Rayon.....do.....	32.0	33.8	33.8	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
Silk.....do.....	115.0	103.2	101.2	80.2	73.2	69.4	67.9	68.4	68.2	68.2	68.3	71.2	73.3
Woolen and worsted goods.....do.....	117.7	119.0	120.8	121.9	127.5	129.1	129.2	129.2	130.1	133.3	133.8	134.2	134.9
Miscellaneous.....do.....	106.5	108.9	110.3	110.9	115.3	115.7	116.1	112.7	113.0	112.7	115.9	117.1	118.8
Automobile tires and tubes.....do.....	73.0	73.0	73.0	73.0	73.0	73.0	73.0	62.5	60.8	60.8	60.8	60.8	61.0
Paper and pulp.....do.....	127.7	136.4	141.9	143.4	145.1	152.5	154.3	154.2	157.2	157.6	159.5	159.8	160.7
Wholesale prices, actual. (See respective commodities.)													
PURCHASING POWER OF THE DOLLAR													
As measured by—													
Wholesale prices.....1935-39=100.....	57.6	57.1	56.9	55.7	53.8	54.5	54.7	54.4	53.3	52.4	51.1	50.8	50.4
Consumers' prices.....do.....	65.7	65.2	65.2	65.3	64.0	64.0	64.1	63.6	63.1	62.4	61.1	61.1	60.6
Retail food prices.....do.....	53.2	53.7	54.3	54.8	52.7	53.1	53.2	52.4	51.7	50.8	49.1	49.6	49.3
Prices received by farmers†.....do.....	40.4	40.3	41.0	40.7	38.0	38.5	39.2	39.3	38.5	38.5	37.2	36.8	37.0

CONSTRUCTION AND REAL ESTATE

CONSTRUCTION ACTIVITY*													
New construction, total.....mil. of dol.....	987	905	839	795	826	876	955	1,070	1,161	1,242	1,279	1,334	1,286
Private, total.....do.....	745	711	666	634	648	662	722	811	876	937	962	990	1,001
Residential (nonfarm).....do.....	335	320	300	284	285	306	342	387	429	461	490	530	565
Nonresidential building, except farm and public utility, total.....mil. of dol.....	308	296	275	260	247	240	245	254	259	266	275	283	290
Industrial.....do.....	171	166	159	152	146	142	141	140	139	139	138	137	135
Farm construction.....do.....	20	10	10	10	20	30	40	50	60	75	65	50	25
Public utility.....do.....	82	85	81	80	96	86	95	120	128	135	132	127	121
Public construction, total.....do.....	242	194	173	161	178	214	233	259	285	305	317	344	285
Residential.....do.....	68	51	39	33	24	16	9	6	9	9	8	10	7
Military and naval.....do.....	17	16	12	12	12	15	15	15	19	22	21	23	18
Nonresidential building, total.....do.....	27	23	33	32	36	41	41	42	44	45	49	54	50
Industrial.....do.....	7	5	5	3	3	4	3	2	2	1	1	1	0
Highway.....do.....	76	57	37	34	48	75	95	117	128	139	147	164	130
All other.....do.....	54	47	52	50	58	67	73	79	85	90	92	93	80
CONTRACT AWARDS													
Contract awards, 37 States (F. W. Dodge Corp.):													
Total projects.....number.....	27,149	25,536	27,619	24,321	32,268	29,957	27,769	24,044	28,734	31,885	27,185	36,339	29,793
Total valuation.....thous. of dol.....	503,745	457,278	571,628	442,197	596,755	602,338	674,657	605,070	660,254	823,216	649,996	793,286	715,108
Public ownership.....do.....	130,329	108,920	166,672	95,770	143,316	177,272	233,873	226,471	202,571	217,811	192,660	208,947	223,505
Private ownership.....do.....	373,416	348,358	404,956	346,427	453,439	425,066	440,784	378,599	457,683	605,405	457,336	584,339	491,603
Nonresidential buildings:													
Projects.....number.....	3,609	2,857	3,096	3,006	3,670	3,905	4,554	4,355	4,912	4,915	4,213	5,134	4,249
Floor area.....thous. of sq. ft.....	23,708	19,656	25,700	21,488	22,242	26,034	30,238	27,561	32,123	41,682	24,114	33,478	28,552
Valuation.....thous. of dol.....	160,871	148,014	200,312	143,258	191,903	184,317	235,899	209,942	253,512	290,807	239,915	277,888	243,416
Residential buildings:													
Projects.....number.....	22,251	21,704	23,593	20,440	27,414	24,284	21,255	17,604	21,568	24,789	21,154	29,473	24,147
Floor area.....thous. of sq. ft.....	33,530	29,975	39,279	32,469	42,991	39,006	32,672	29,213	36,774	47,805	30,037	52,302	42,690
Valuation.....thous. of dol.....	221,113	193,365	257,419	208,391	282,881	256,668	254,085	209,458	240,885	308,937	268,543	349,490	290,220
Public works:													
Projects.....number.....	1,018	746	681	665	918	1,509	1,607	1,744	1,910	1,761	1,522	1,425	1,114
Valuation.....thous. of dol.....	82,626	62,652	80,721	59,806	77,926	123,249	119,713	142,495	127,454	137,471	110,556	112,726	138,606
Utilities:													
Projects.....number.....	271	229	249	210	266	259	353	341	344	420	296	307	283
Valuation.....thous. of dol.....	39,135	53,247	33,176	30,742	44,045	38,104	64,900	43,175	38,403	86,001	30,982	53,182	42,866
Value of contracts awarded (F. R. indexes):													
Total, unadjusted.....1923-25=100.....	125	125	120	131	133	152	153	158	170	173	184	175	-----
Residential, unadjusted.....do.....	118	122	119	135	135	144	130	127	138	148	168	164	-----
Total, adjusted.....do.....	139	154	146	151	132	133	127	136	155	166	183	184	-----
Residential, adjusted.....do.....	122	143	144	152	129	123	110	116	136	150	168	170	-----
Engineering construction:													
Contract awards (E. N. R.)§.....thous. of dol.....	275,825	352,855	430,970	356,491	400,415	454,471	514,343	517,175	524,238	413,494	494,805	575,089	474,357
Highway concrete pavement contract awards:†													
Total.....thous. of sq. yd.....	3,239	2,306	1,343	1,463	2,438	5,280	3,828	4,228	5,011	3,285	2,760	3,260	2,349
Airports.....do.....	138	55	26	1	52	513	3	212	169	79	163	203	5
Roads.....do.....	1,970	1,661	606	1,081	1,578	3,167	2,907	2,456	2,452	1,468	1,133	1,946	1,592
Streets and alleys.....do.....	1,130	590	711	382	808	1,600	1,186	1,560	2,390	1,737	1,464	1,110	752
PERMIT VALUATIONS AND DWELLING UNITS PROVIDED													
Estimated number of new nonfarm dwelling units scheduled to be started (U. S. Dept. of Labor):													
Total nonfarm*.....number.....	47,700	37,100	40,800	45,500	63,100	73,500	74,500	83,400	83,300	90,400	94,900	98,100	-----
Urban, total†.....do.....	28,661	21,369	25,383	27,074	37,649	42,862	41,138	46,969	47,153	51,304	52,179	56,279	-----
Privately financed, total.....do.....	28,539	21,369	24,299	27,074	37,158	42,534	41,138	45,984	47,117	51,112	51,904	55,819	-----
1-family dwellings.....do.....	23,747	17,469	20,537	22,156	30,615	35,214	33,670	34,627	36,943	39,226	40,865	42,716	-----
2-family dwellings.....do.....	1,594	977	1,496	1,615	2,448	3,142	3,085	3,478	3,053	3,519	2,988	3,536	-----
Multifamily dwellings.....do.....	3,198	2,923	2,266	3,303	4,095	4,178	4,383	7,889	7,121	8,367	8,051	9,567	-----
Publicly financed, total.....do.....	122	0	1,084	0	491	328	0	1,005	36	192	275	460	-----

* Revised. † Preliminary.

§ Data for August and October 1946 and January, May, and July, 1947 are for 5 weeks; other months, 4 weeks.

† Based on weekly data combined into 4- and 5-week periods except that a week falling in December and January is prorated; see note in February 1947 Survey.

* New series. Estimates of total nonfarm dwelling units for 1910-44 are shown on p. 15 of the November 1946 Survey. Monthly estimates of new construction activity for 1939-45 and annual estimates for 1915-46 are shown on pp. 23 and 24 of the July 1947 Survey.

† Revised series. The index of purchasing power of the dollar based on prices received by farmers was revised in the April 1944 Survey. Data for 1920-44 for the number of new dwelling units are shown on p. 15 of the November 1946 Survey (see note in February 1947 Survey with regard to January and February 1945 figures); since early 1945 data for new dwelling units and the indexes of building construction on p. S-6 should be considered volume of construction for which permits were issued or contracts awarded rather than volume started (see note in July 1947 Survey).

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947										
	November	December	January	February	March	April	May	June	July	August	September	October	November
CONSTRUCTION AND REAL ESTATE—Continued													
PERMIT VALUATIONS, ETC.—Continued													
Indexes of building construction, based on building permits (U. S. Dept. of Labor):†													
Number of new dwelling units provided 1935-39=100..	165.3	123.2	146.4	156.1	217.1	247.2	237.2	271.0	271.9	295.9	300.9	* 324.5	239.8
Permit valuation:													
Total building construction.....do.....	153.2	129.4	151.8	158.3	218.5	251.6	244.2	278.2	306.1	323.5	319.5	* 344.7	282.4
New residential buildings.....do.....	222.5	162.0	196.7	207.6	308.8	359.1	338.5	387.7	405.4	447.9	459.1	* 516.2	395.8
New nonresidential buildings.....do.....	99.2	97.0	107.7	111.5	141.8	159.4	163.5	180.9	217.8	232.4	206.7	* 216.5	208.8
Additions, alterations, and repairs.....do.....	137.3	140.0	164.8	168.9	214.1	248.7	241.4	284.2	311.5	279.9	298.1	* 291.9	218.3
CONSTRUCTION COST INDEXES													
Aberthaw (industrial building).....1914=100.....		300			304			300			304		306.8
American Appraisal Co.:.....1913=100.....	352	371	381	390	404	414	419	427	437	446	452	456	464
Atlanta.....do.....	377	399	410	419	434	444	448	448	458	470	475	479	494
New York.....do.....	356	375	390	403	420	427	432	438	442	448	452	469	480
San Francisco.....do.....	323	343	353	364	379	390	392	396	409	417	424	427	429
St. Louis.....do.....	344	367	375	383	396	403	405	421	430	441	446	449	456
Associated General Contractors (all types).....1913=100.....	270	276	277	280	282	286	290	294	295	300	307	312	314
E. H. Roecck and Associates, Inc.:													
Apartment, hotels, and office buildings:													
Brick and concrete:													
Atlanta.....U. S. average 1926-29=100.....	144.9	145.7	148.8	153.4	154.4	155.1	155.4	160.3	162.4	164.1	165.0	165.5	166.9
New York.....do.....	183.4	183.9	194.7	196.2	204.7	205.6	205.9	211.2	215.5	216.4	218.5	219.0	219.3
San Francisco.....do.....	165.9	167.3	172.4	174.2	177.8	178.1	178.4	186.6	188.9	192.5	195.4	196.2	196.8
St. Louis.....do.....	167.2	168.5	173.9	175.8	178.0	178.3	182.8	187.8	189.9	191.2	192.2	193.6	194.9
Commercial and factory buildings:													
Brick and concrete:													
Atlanta.....do.....	146.6	147.1	149.9	152.0	153.5	154.1	154.3	159.6	161.2	162.3	163.0	163.4	164.5
New York.....do.....	185.9	186.2	193.5	194.4	205.9	206.8	207.0	212.5	214.9	216.0	217.4	217.8	218.4
San Francisco.....do.....	168.4	169.4	174.6	175.7	180.4	180.6	180.8	190.6	192.4	197.4	199.6	200.2	200.6
St. Louis.....do.....	168.3	169.3	175.2	176.4	179.0	179.2	185.4	187.8	189.4	190.8	191.5	192.5	193.4
Brick and steel:													
Atlanta.....do.....	143.9	145.8	148.8	153.1	153.5	154.2	154.4	158.8	161.4	165.0	165.8	166.2	169.4
New York.....do.....	182.3	183.6	191.1	192.9	202.4	203.4	203.6	206.6	209.4	210.4	213.8	214.2	215.1
San Francisco.....do.....	169.8	172.5	176.1	178.4	180.7	180.9	181.1	188.0	190.8	195.7	198.9	199.5	200.2
St. Louis.....do.....	166.5	169.5	172.8	175.3	176.9	177.1	182.1	187.5	190.1	192.3	193.4	194.5	196.3
Residences:													
Brick:													
Atlanta.....do.....	159.2	161.9	165.8	178.7	179.2	180.2	180.4	184.0	185.4	185.6	186.9	187.3	189.3
New York.....do.....	192.6	195.4	204.7	211.2	217.6	219.1	219.3	223.4	225.5	225.9	228.7	229.1	231.3
San Francisco.....do.....	169.6	173.2	177.0	185.6	188.6	188.8	189.0	195.1	196.7	198.4	207.1	207.7	209.7
St. Louis.....do.....	178.9	183.4	187.6	196.9	199.1	199.3	202.2	205.6	207.0	207.5	210.7	212.1	217.5
Frame:													
Atlanta.....do.....	160.8	164.2	166.8	182.9	183.3	183.9	184.1	187.9	189.3	189.5	191.0	191.4	194.0
New York.....do.....	194.4	198.0	208.9	217.2	226.8	221.6	221.8	225.0	227.1	227.5	231.0	231.4	234.1
San Francisco.....do.....	166.8	170.8	173.9	184.9	187.0	187.2	187.4	194.0	195.6	196.3	206.2	206.8	209.3
St. Louis.....do.....	179.8	183.8	187.0	198.9	200.3	200.5	202.2	207.2	208.6	209.0	213.0	214.0	220.9
Engineering News-Record:													
Building*.....1913=100.....	278.8	289.1	297.7	298.8	300.8	299.6	303.1	304.9	313.0	317.1	320.8	322.3	325.5
Construction (all types).....do.....	368.1	381.7	390.8	392.0	396.1	396.5	403.3	406.5	415.0	417.8	424.4	429.3	432.5
Federal Home Loan Bank Administration:													
Standard 6-room frame house:†													
Combined index.....1935-39=100.....	156.7	159.8	167.0	173.8	179.6	182.5	183.7	184.8	185.1				
Materials.....do.....	153.6	158.6	168.2	177.6	185.6	188.8	189.0	189.0	188.5				
Labor.....do.....	163.1	164.8	166.8	168.6	170.2	172.4	175.5	179.2	181.0				
REAL ESTATE													
Fed. Hous. Admn., home mortgage insurance:													
Premium-paying mortgages (cumulative)													
mils. of dol.....	6,885	6,921	6,959	6,995	7,036	7,087	7,147	7,217	7,295	7,377	7,473	7,593	7,691
Estimated total nonfarm mortgages recorded (\$20,000 and under)*.....thous. of dol.....	869,489	836,404	847,043	770,095	858,675	941,020	965,733	947,357	994,787	988,446	1,022,648	1,103,030	954,569
Estimated new mortgage loans by all savings and loan associations, total.....thous. of dol.....	271,476	253,701	250,016	241,263	288,221	313,636	335,074	323,368	353,105	351,757	356,871	376,000	311,292
Classified according to purpose:													
Mortgage loans on homes:													
Construction.....do.....	51,187	50,233	51,145	52,723	61,543	70,214	78,612	69,700	85,867	83,355	86,097	95,364	76,718
Home purchase.....do.....	170,162	151,848	145,253	133,399	161,694	176,395	186,148	184,626	194,057	200,183	203,443	208,488	170,831
Refinancing.....do.....	21,625	22,116	22,599	22,529	25,916	26,149	28,383	28,948	28,936	25,263	27,322	28,523	24,747
Repairs and reconditioning.....do.....	7,034	6,040	6,795	7,091	9,665	10,788	11,558	11,963	13,410	13,018	12,297	13,213	10,415
Loans for other purposes.....do.....	21,468	23,464	24,204	25,521	29,403	30,090	30,373	28,131	30,835	29,938	27,712	30,412	28,581
Loans outstanding of agencies under the Home Loan Bank Board:													
Federal Home Loan Banks, outstanding advances to member institutions.....mils. of dol.....	258	293	251	242	236	245	257	289	292	314	336	360	391
Home Owners' Loan Corporation, balance of loans outstanding.....mils. of dol.....	651	636	621	609	596	582	570	557	544	532	520	508	497
Foreclosures, nonfarm, index, adjusted†													
1935-39=100.....	9.7	8.6	8.6	8.5	9.3	7.8	8.0	8.7	8.5	8.2			
thous. of dol.....	44,706	58,094	57,180	64,247	72,435	68,029	56,545	50,840	49,357	51,359	47,990	* 54,946	51,346

DOMESTIC TRADE

ADVERTISING													
Advertising indexes, adjusted:†													
Printers' Ink, combined index.....1935-39=100.....	* 245	* 244	236	245	263	278	281	284	263	262	281	* 280	
Farm papers.....do.....	265	243	278	281	288	303	320	331	283	308	309	321	
Magazines.....do.....	311	303	271	287	323	333	340	342	298	280	331	328	
Newspapers.....do.....	154	158	172	193	210	222	229	230	215	218	217	* 211	
Outdoor.....do.....	205	201	183	213	217	292	295	287	303	319	289	287	
Radio.....do.....	302	306	289	289	292	274	287	289	284	291	298	309	

† Revised.

† Revisions for January 1940-December 1945 are available on request; see also latter part of note marked "†" on p. S-5.

* New series. For a description of the series of the series on nonfarm mortgages recorded and data for January 1939 to September 1942 see p. S-5 of the November 1942 Survey. See note in the February 1947 Survey regarding the Engineering News-Record index of building costs; data beginning 1913 will be shown later.

† Revised series. Revisions for the index of nonfarm foreclosures for 1940-41 are shown on p. S-6 of the May 1943 Survey. Indexes of advertising from Printers' Ink have been completely revised and all series are now based on dollar costs; data beginning 1935 and a description of the indexes will be published later. The indexes of cost of the standard 6-room frame house are shown on a revised basis beginning in the April 1946 Survey; revisions beginning November 1935 will be published later; the indexes were discontinued after June 1947.

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947										
	November	December	January	February	March	April	May	June	July	August	September	October	November
DOMESTIC TRADE—Continued													
ADVERTISING—Continued													
Tide advertising index, adjusted* . . . 1935-39=100 . . .	195.6	189.9	205.7	201.0	194.2	197.1	196.2	202.9	218.3	225.9	231.1	221.4	-----
Radio advertising:													
Cost of facilities, total thous. of dol.	16,338	16,800	16,548	15,102	16,728	15,548	16,009	14,994	14,227	14,457	15,252	17,365	-----
Automobiles and accessories do . . .	654	731	670	629	740	595	573	505	441	481	527	597	-----
Clothing do . . .	105	112	100	99	123	98	111	100	130	187	151	139	-----
Electric household equipment do . . .	268	252	273	224	249	284	301	275	314	278	345	379	-----
Financial do . . .	387	428	444	458	532	508	412	400	381	393	367	471	-----
Foods, food beverages, confections do . . .	4,396	4,379	4,357	3,924	4,344	4,049	4,120	3,883	4,106	4,268	4,402	5,128	-----
Gasoline and oil do . . .	530	583	546	507	541	467	499	499	432	439	428	420	-----
Housefurnishings, etc. do . . .	159	165	169	153	175	155	177	167	172	172	156	168	-----
Soap, cleansers, etc. do . . .	1,490	1,574	1,642	1,555	1,685	1,729	1,762	1,690	1,636	1,508	1,772	1,893	-----
Smoking materials do . . .	1,373	1,390	1,355	1,257	1,397	1,308	1,433	1,430	1,595	1,568	1,580	1,809	-----
Toilet goods, medical supplies do . . .	5,123	5,316	5,148	4,568	5,007	4,714	4,744	4,431	3,888	3,844	4,211	4,777	-----
All other do . . .	1,855	1,870	1,845	1,726	1,934	1,641	1,877	1,613	1,132	1,318	1,314	1,583	-----
Magazine advertising:													
Cost, total do . . .	42,565	36,232	23,963	32,109	42,617	40,816	42,801	40,033	-----	-----	190,308	-----	-----
Automobiles and accessories do . . .	2,755	1,499	1,383	1,576	2,325	2,262	2,601	2,772	-----	-----	17,555	-----	-----
Clothing do . . .	4,449	3,456	1,826	3,345	5,277	4,663	4,661	3,125	-----	-----	10,191	-----	-----
Electric household equipment do . . .	1,315	1,080	466	740	1,169	1,288	1,541	1,376	-----	-----	3,872	-----	-----
Financial do . . .	745	608	505	566	666	659	698	654	-----	-----	11,567	-----	-----
Foods, food beverages, confections do . . .	4,993	4,172	3,931	5,033	6,068	4,926	5,246	5,348	-----	-----	13,543	-----	-----
Gasoline and oil do . . .	716	218	160	250	536	600	627	683	-----	-----	12,142	-----	-----
Housefurnishings, etc. do . . .	2,753	2,408	1,147	1,641	2,687	3,292	3,530	2,667	-----	-----	6,051	-----	-----
Soap, cleansers, etc. do . . .	667	455	407	760	916	1,016	1,182	1,173	-----	-----	12,558	-----	-----
Office furnishing and supplies do . . .	1,025	992	369	551	863	624	995	763	-----	-----	11,650	-----	-----
Smoking materials do . . .	1,252	1,277	920	829	1,069	887	860	1,125	-----	-----	12,827	-----	-----
Toilet goods, medical supplies do . . .	6,694	5,779	3,411	5,137	6,086	5,924	6,120	5,926	-----	-----	12,771	-----	-----
All other do . . .	15,199	14,287	9,438	11,683	14,966	14,677	14,740	14,421	-----	-----	34,582	-----	-----
Linage, total thous. of lines . . .	5,213	3,783	3,952	4,580	5,102	4,703	4,332	3,413	3,377	4,132	4,763	4,474	-----
Newspaper advertising:													
Linage, total (52 cities): do . . .	164,120	163,257	139,894	139,993	167,384	168,445	172,376	163,130	145,263	157,980	173,871	198,478	194,808
Classified do . . .	36,772	34,404	36,223	34,588	39,437	39,580	41,301	39,341	37,778	40,625	41,610	44,141	41,447
Display, total do . . .	127,348	128,853	103,671	105,405	127,948	128,865	131,075	123,789	107,485	117,355	132,262	154,337	153,361
Automotive do . . .	4,675	3,415	3,556	4,097	5,537	6,473	6,512	7,014	6,214	6,107	5,438	6,552	5,957
Financial do . . .	2,025	1,894	2,511	1,767	2,157	2,008	1,950	1,933	2,299	1,769	1,809	2,194	2,033
General do . . .	26,596	22,388	19,895	22,323	27,163	28,100	28,210	26,011	22,467	22,881	27,171	33,444	32,004
Retail do . . .	94,052	101,155	77,709	77,218	93,090	92,283	94,403	88,831	76,505	86,597	97,843	112,148	113,367
GOODS IN WAREHOUSES													
Space occupied in public-merchandise warehouses § percent of total	88.3	88.8	89.6	88.8	88.9	88.7	89.2	88.7	88.1	88.3	87.7	86.8	87.6
POSTAL BUSINESS													
Money orders:													
Domestic, issued (50 cities):													
Number thousands	4,253	4,447	4,477	4,147	4,863	4,579	4,280	4,177	4,334	3,822	4,041	4,401	4,185
Value thous. of dol.	95,112	93,691	95,899	90,036	108,862	97,079	89,824	87,284	87,320	81,664	89,874	91,665	85,095
Domestic, paid (50 cities):													
Number thousands	14,042	13,932	14,086	12,691	14,755	14,651	13,771	16,948	13,253	12,587	13,334	15,371	13,922
Value thous. of dol.	193,807	189,903	193,877	186,444	210,579	195,527	188,244	178,353	186,565	166,697	197,141	223,262	196,844
PERSONAL CONSUMPTION EXPENDITURES													
Seasonally adjusted quarterly total at annual rates:*		154.9	-----	-----	158.0	-----	-----	162.0	-----	-----	166.0	-----	-----
All goods and services bil. of dol.	-----	18.2	-----	-----	18.5	-----	-----	19.2	-----	-----	19.9	-----	-----
Durable goods do . . .	-----	5.4	-----	-----	5.4	-----	-----	5.9	-----	-----	6.0	-----	-----
Automobiles and parts do . . .	-----	8.9	-----	-----	9.2	-----	-----	9.5	-----	-----	10.0	-----	-----
Furniture and household equipment do . . .	-----	3.8	-----	-----	3.9	-----	-----	3.9	-----	-----	3.9	-----	-----
Other durable goods do . . .	-----	93.6	-----	-----	95.3	-----	-----	97.8	-----	-----	100.0	-----	-----
Nondurable goods do . . .	-----	19.4	-----	-----	19.1	-----	-----	19.9	-----	-----	20.2	-----	-----
Clothing and shoes do . . .	-----	56.6	-----	-----	57.8	-----	-----	58.7	-----	-----	60.1	-----	-----
Food and alcoholic beverages do . . .	-----	3.3	-----	-----	3.4	-----	-----	3.7	-----	-----	3.9	-----	-----
Gasoline and oil do . . .	-----	1.9	-----	-----	1.8	-----	-----	1.9	-----	-----	1.9	-----	-----
Semidurable house furnishings do . . .	-----	3.5	-----	-----	3.6	-----	-----	3.6	-----	-----	3.7	-----	-----
Tobacco do . . .	-----	9.0	-----	-----	9.6	-----	-----	10.0	-----	-----	10.2	-----	-----
Other nondurable goods do . . .	-----	43.1	-----	-----	44.2	-----	-----	45.0	-----	-----	46.1	-----	-----
Services do . . .	-----	6.3	-----	-----	6.6	-----	-----	6.7	-----	-----	7.0	-----	-----
Household operation do . . .	-----	12.9	-----	-----	13.0	-----	-----	13.2	-----	-----	13.5	-----	-----
Housing do . . .	-----	3.1	-----	-----	3.2	-----	-----	3.2	-----	-----	3.2	-----	-----
Personal service do . . .	-----	3.5	-----	-----	3.6	-----	-----	3.6	-----	-----	3.7	-----	-----
Recreation do . . .	-----	4.2	-----	-----	4.3	-----	-----	4.4	-----	-----	4.5	-----	-----
Transportation do . . .	-----	13.1	-----	-----	13.6	-----	-----	13.9	-----	-----	14.3	-----	-----
Other services do . . .	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
RETAIL TRADE													
All retail stores:†													
Estimated sales, total mil. of dol.	9,463	10,792	8,238	7,830	9,263	9,442	10,020	9,489	9,357	9,629	10,141	10,910	10,708
Durable goods store do . . .	2,077	2,332	1,836	1,774	2,122	2,287	2,436	2,402	2,403	2,396	2,582	2,831	2,631
Automotive group do . . .	823	846	807	788	940	980	993	987	1,014	994	1,052	1,148	1,070
Motor vehicles do . . .	675	679	688	679	811	847	839	839	861	839	890	988	910
Parts and accessories do . . .	148	166	119	110	130	132	147	148	153	155	152	160	160
Building materials and hardware do . . .	617	601	526	485	598	663	744	741	770	763	839	941	793
Building materials do . . .	392	351	339	302	369	431	461	476	509	514	575	645	525
Farm implements do . . .	56	51	50	50	66	78	79	77	77	70	71	92	71
Hardware do . . .	169	200	135	133	163	185	204	187	184	179	193	204	197
Homefurnishings group do . . .	507	614	424	425	498	526	593	570	536	550	594	641	647
Furniture and housefurnishings do . . .	331	381	255	259	318	342	397	368	334	347	385	408	422
Household appliance and radios do . . .	176	233	169	166	180	184	196	202	202	203	210	253	225
Jewelry stores do . . .	130	272	78	76	85	88	106	104	84	89	97	121	121

* Revised. † Total for July, August and September.

§ See note marked "§" on p. S-6 of the April 1943 Survey in regard to enlargement of the reporting sample in August 1942.

* New series. For a brief description of the Tide index of advertising see note marked "*" on p. S-6 of the April 1946 Survey, data beginning 1936, are available on request. The estimates of consumer expenditures have been revised in accordance with revisions in the totals shown as a component of the gross national product on p. S-1 and in the "National Income Supplement" referred to in the note marked with an "*" on that page; this supplement provides detailed annual estimates of consumption expenditures for 1929-46 and quarterly data for 1939-46 for the grand total and for total durable goods, nondurable goods and services.

† Revised series. See note marked "†" on p. S-7 of the September 1947 Survey for reference to tables giving data through June 1944 and 1945 revisions for sales of all retail stores; the seasonally adjusted indexes beginning 1942 shown in those tables and later data published currently on p. S-8 were recently revised because of changes in the seasonal adjustment factors and both the dollar figures and indexes beginning January 1946 have been revised in this issue, largely because of adjustment of the series to sales tax data for 1946; all data shown above are on the revised basis; revised dollar figures for all months of 1946 and revised indexes for 1942-46 are shown on p. 10.

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947										
	November	December	January	February	March	April	May	June	July	August	September	October	November
DOMESTIC TRADE—Continued													
RETAIL TRADE—Continued													
All retail stores—Continued													
Estimated sales—Continued													
Nondurable goods stores.....mil. of dol.	7,386	8,460	6,402	6,056	7,161	7,155	7,584	7,087	6,954	7,233	7,559	8,079	8,077
Apparel group.....do.....	855	1,090	603	543	797	766	778	707	558	606	825	858	906
Men's clothing and furnishings.....do.....	236	318	144	132	190	183	192	189	134	139	201	212	247
Women's apparel and accessories.....do.....	363	449	276	247	371	345	345	291	241	271	367	387	394
Family and other apparel.....do.....	129	163	87	77	107	100	103	96	77	86	114	120	134
Shoes.....do.....	127	159	97	88	130	137	138	131	106	110	143	139	131
Drug stores.....do.....	301	394	281	264	296	287	304	290	293	300	298	307	296
Eating and drinking places.....do.....	1,047	1,060	995	891	1,007	1,019	1,078	1,032	1,052	1,089	1,086	1,131	1,033
Food group.....do.....	2,395	2,504	2,342	2,243	2,509	2,504	2,712	2,518	2,618	2,714	2,609	2,825	2,768
Grocery and combination.....do.....	1,866	1,961	1,840	1,778	1,996	1,979	2,162	1,995	2,083	2,170	2,063	2,243	2,212
Other food.....do.....	529	543	502	465	514	525	550	523	535	544	546	552	556
Filling stations.....do.....	371	371	339	312	361	400	442	440	472	485	466	483	496
General merchandise group.....do.....	1,483	1,925	992	970	1,242	1,254	1,316	1,195	1,074	1,156	1,345	1,457	1,595
Department, including mail-order.....do.....	1,016	1,277	656	639	842	834	874	788	677	743	907	986	1,100
General, including general merchandise with food.....mil. of dol.	155	176	124	120	142	151	165	153	155	157	160	168	168
Other general mdse. and dry goods.....do.....	141	191	96	93	118	120	130	120	110	115	132	141	149
Variety.....do.....	171	281	116	117	141	149	147	134	133	140	146	162	177
Other retail stores.....do.....	933	1,117	849	833	948	925	954	905	887	884	930	1,018	984
Feed and farm supply.....do.....	220	220	215	220	264	283	272	249	251	238	244	266	214
Fuel and ice.....do.....	160	175	197	190	191	146	144	155	153	139	170	181	189
Liquors.....do.....	179	234	141	135	152	144	151	134	134	148	132	162	162
Other.....do.....	374	489	296	288	341	352	387	368	349	359	381	409	418
Indexes of sales:													
Unadjusted, combined index.....1935-39=100.....	293.9	337.3	253.5	262.4	281.5	294.8	301.3	302.9	287.1	289.7	323.6	328.6	341.7
Durable goods stores.....do.....	267.2	297.9	227.9	240.6	263.2	287.4	302.2	300.4	298.4	297.3	332.6	343.1	347.7
Nondurable goods stores.....do.....	302.6	350.2	261.9	269.5	287.5	297.2	301.0	300.8	283.4	287.2	320.7	323.9	339.8
Adjusted, combined index.....do.....	278.8	283.6	291.7	287.6	291.0	297.6	299.7	301.6	301.2	298.0	314.7	317.6	324.4
Durable goods stores.....do.....	253.5	263.8	262.2	274.3	280.7	289.4	287.4	297.7	296.9	297.5	322.5	327.6	330.7
Automotive.....do.....	192.3	207.0	198.3	213.6	219.9	233.6	214.1	222.1	222.8	220.4	243.1	255.8	252.1
Building materials and hardware.....do.....	298.5	290.7	307.6	313.1	316.8	322.7	332.1	343.1	353.4	359.5	388.3	395.8	399.6
Home furnishings.....do.....	347.7	373.9	370.2	383.0	392.7	390.5	428.1	444.2	426.7	428.4	455.6	439.4	469.4
Jewelry.....do.....	431.2	430.8	410.2	418.2	432.4	435.9	430.3	442.6	417.4	416.0	438.6	409.1	415.4
Nondurable goods stores.....do.....	287.1	290.1	288.0	291.9	294.3	300.3	303.7	302.9	302.6	298.1	312.1	314.3	322.4
Apparel.....do.....	292.0	289.6	283.3	280.5	288.7	292.6	301.9	300.3	293.8	277.0	313.9	293.8	321.3
Drug.....do.....	256.6	249.0	247.3	246.8	252.6	249.4	250.1	248.8	246.5	252.3	254.6	257.1	254.4
Eating and drinking places.....do.....	414.1	413.2	413.6	410.4	407.7	414.2	416.1	406.5	409.6	406.0	418.3	426.7	408.6
Food.....do.....	300.5	310.3	316.3	322.1	322.0	332.3	331.8	329.0	329.8	324.4	340.6	355.2	357.0
Filling stations.....do.....	180.3	173.7	174.6	177.6	183.9	200.2	203.0	201.9	221.7	221.3	218.7	219.6	240.9
General merchandise.....do.....	238.9	244.6	233.9	236.7	240.9	245.2	254.2	253.1	251.5	249.5	258.0	248.4	266.1
Other retail stores.....do.....	312.3	311.4	302.4	317.6	318.9	314.0	315.8	329.5	317.5	313.4	329.2	335.1	343.0
Estimated inventories, total*.....mil. of dol.	9,562	8,728	8,943	9,441	9,954	9,971	9,665	9,357	9,153	9,507	10,022	10,626	10,966
Durable goods stores*.....do.....	3,190	2,911	3,192	3,416	3,774	3,796	3,688	3,608	3,566	3,589	3,854	4,083	4,215
Nondurable goods stores*.....do.....	6,372	5,817	5,751	6,025	6,180	6,175	5,977	5,749	5,587	5,918	6,168	6,543	6,751
Chain stores and mail-order houses:†													
Sales, estimated, total*.....do.....	2,053	2,415	1,700	1,668	2,031	2,038	2,158	1,997	1,938	2,036	2,133	2,319	2,339
Apparel group*.....do.....	235	303	163	153	246	240	244	229	181	187	246	253	260
Men's wear*.....do.....	48	55	30	27	45	40	41	39	25	27	44	47	55
Women's wear*.....do.....	103	139	73	72	118	115	103	88	90	109	113	115	115
Shoes*.....do.....	63	84	46	41	62	69	68	68	53	55	72	71	67
Automotive parts and accessories*.....do.....	49	59	29	28	35	38	44	44	45	46	42	41	47
Building materials*.....do.....	72	55	65	63	74	83	90	93	97	99	112	117	85
Drug*.....do.....	60	99	66	64	70	67	69	65	65	68	66	69	68
Eating and drinking*.....do.....	51	55	52	47	52	51	52	50	52	52	52	54	50
Furniture and house furnishings*.....do.....	29	36	18	22	24	24	27	26	24	25	27	29	31
General merchandise group*.....do.....	594	776	387	389	508	532	552	509	473	518	593	645	696
Department, dry goods, and general merchandise.....mil. of dol.	330	429	203	202	280	303	328	304	279	303	347	366	399
Mail-order (catalog sales)*.....do.....	104	92	75	77	96	88	85	77	68	82	108	126	132
Variety*.....do.....	147	243	100	101	122	129	127	116	115	121	126	153	153
Grocery and combination*.....do.....	650	666	633	629	713	689	748	661	663	722	662	754	755
Indexes of sales:													
Unadjusted, combined index*.....1935-39=100.....	270.4	328.1	226.5	240.6	263.6	275.5	275.6	277.1	258.3	257.0	295.6	301.6	318.7
Adjusted, combined index*.....do.....	252.0	261.8	252.7	262.0	269.9	275.7	278.6	280.9	280.5	280.3	291.0	287.7	296.3
Apparel group*.....do.....	281.3	283.3	260.6	261.6	287.9	292.0	308.0	306.5	300.6	306.6	326.1	300.8	322.2
Men's wear*.....do.....	281.7	264.6	268.7	260.8	276.5	268.2	294.4	286.7	292.1	305.7	346.5	288.5	332.4
Women's wear*.....do.....	342.0	350.2	308.5	319.0	365.7	379.9	394.2	388.1	382.3	360.3	390.2	365.9	395.3
Shoes*.....do.....	223.5	229.8	211.5	205.8	217.3	217.1	229.7	233.4	241.2	240.8	253.7	246.6	245.2
Automotive parts and accessories*.....do.....	249.8	274.2	199.4	201.2	219.1	225.2	246.0	241.6	232.4	240.0	228.3	213.3	250.5
Building materials*.....do.....	214.8	253.3	283.8	322.7	313.3	299.9	306.5	325.1	328.6	333.7	361.5	334.8	314.0
Drug*.....do.....	237.3	235.2	230.6	231.9	231.9	229.1	230.2	232.9	222.9	229.0	229.7	227.2	226.0
Eating and drinking*.....do.....	218.2	219.9	226.4	221.8	220.8	220.8	223.5	226.5	222.8	220.2	221.3	218.7	211.2
Furniture and house furnishings*.....do.....	224.6	237.6	228.5	257.4	234.4	224.2	242.0	256.9	243.1	245.9	265.1	218.5	250.6
General merchandise group*.....do.....	241.7	253.5	239.0	244.7	259.2	267.0	271.7	275.2	273.9	272.4	286.3	275.0	292.6
Department dry goods, and general merchandise.....1935-39=100.....	278.3	291.1	274.3	282.3	307.4	316.6	324.6	332.6	329.0	322.4	347.9	322.7	347.9
Mail-order*.....do.....	214.3	223.5	223.1	234.4	239.9	244.1	269.1	265.8	270.0	276.3	259.0	265.7	283.0
Variety*.....do.....	200.3	212.5	192.7	192.9	197.2	204.4	192.9	193.7	192.7	194.2	208.7	207.4	214.7
Grocery and combination*.....do.....	280.3	293.9	292.9	306.8	311.3	320.1	316.1	316.7	320.5	322.4	326.0	339.5	338.1
Department stores:													
Accounts, collections, and sales by type of payment:													
Accounts receivable:													
Charge accounts\$.....1941 average=100.....	176	223	175	154	160	163	167	165	146	145	167	181	204
Instalment accounts\$.....do.....	61	75	74	73	75	79	81	82	83	84	87	95	111
Ratio of collections to accounts receivable:													
Charge accounts\$.....percent.....	59	54	52	52	56	54	56	54	53	51	53	57	55
Instalment accounts\$.....do.....	38	36	30	29	33	30	30	28	28	28	31	31	30
Sales by type of payment: *													
Cash sales.....percent of total sales.....	57	58	57	56	56	55	55	55	57	56	54	53	53
Charge account sales.....do.....	38	37	37	38	38	39	39	39	37	38	40	40	40
Instalment sales.....do.....	5	5	6	6	6	6	6	6	6	6	6	7	7

* Revised. † Preliminary. ‡ Minor revisions in the figures prior to November 1941 are available on request.

* New series. See note marked "N" on p. S-8 of the September 1947 Survey for reference to tables giving data through 1943 and 1945 revisions for the chain-store series; the adjusted indexes beginning 1942 shown in those tables and later data published currently were revised recently because of changes in the seasonal adjustment factors and the dollar figures for some series beginning January 1946 have been revised in this issue, necessitating further corrections in indexes for 1946 and 1947; revised indexes for 1942-46 and dollar figures for 1946 are shown on p. 11. See p. S-9 of the August 1944 Survey for data beginning June 1943 for the series on department store sales by type of payment. Data beginning 1939 for retail inventories will be published later.

† Revised series. Data have been revised in this issue; see note marked "†" on p. S-7 for explanation and reference to revised

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947										
	November	December	January	February	March	April	May	June	July	August	September	October	November
DOMESTIC TRADE—Continued													
RETAIL TRADE—Continued													
Department stores—Continued													
Sales, unadjusted, total U. S.†.....1935-39=100..	336	441	209	222	266	268	280	265	219	236	299	298	373
Atlanta†.....do.....	416	570	273	298	* 347	350	* 349	307	269	309	368	372	459
Boston†.....do.....	284	398	170	171	227	227	241	232	164	176	248	234	306
Chicago†.....do.....	318	409	196	210	250	258	276	270	219	224	296	284	364
Cleveland†.....do.....	333	430	194	210	262	266	283	267	220	237	293	290	371
Dallas†.....do.....	* 435	567	294	306	337	347	356	307	288	327	387	* 396	507
Kansas City†.....do.....	* 339	448	225	247	283	290	297	281	250	277	336	336	* 393
Minneapolis†.....do.....	302	385	196	202	258	264	269	264	217	242	311	304	330
New York†.....do.....	301	392	182	188	229	223	237	231	171	179	244	* 253	323
Philadelphia†.....do.....	318	408	188	192	255	248	261	238	185	193	267	280	* 370
Richmond†.....do.....	* 371	494	219	226	292	290	301	278	215	233	322	324	394
St. Louis†.....do.....	371	463	228	244	288	297	315	269	249	264	340	330	428
San Francisco.....do.....	* 375	503	249	278	295	297	300	293	271	306	335	* 335	* 401
Sales, adjusted, total U. S.†.....	271	276	265	268	275	276	291	289	287	282	291	275	300
Atlanta†.....do.....	347	363	341	338	* 347	353	367	365	336	352	361	348	383
Boston†.....do.....	230	231	215	219	237	227	244	249	237	234	236	211	249
Chicago†.....do.....	261	264	245	262	260	261	276	278	281	266	290	266	298
Cleveland†.....do.....	266	277	256	256	257	272	298	284	281	273	290	271	296
Dallas†.....do.....	* 357	348	363	347	347	377	379	361	378	376	368	360	415
Kansas City†.....do.....	283	299	281	272	298	296	316	305	294	298	346	* 320	* 328
Minneapolis†.....do.....	253	251	262	261	279	257	270	278	268	271	287	276	276
New York†.....do.....	231	232	228	224	229	235	253	254	255	246	234	223	248
Philadelphia†.....do.....	239	250	247	234	236	258	275	264	257	258	267	253	* 278
Richmond†.....do.....	* 292	293	293	281	307	299	303	317	301	282	303	297	310
St. Louis†.....do.....	294	303	278	290	294	306	321	299	320	307	337	308	339
San Francisco.....do.....	319	317	313	330	325	315	323	319	329	340	321	* 324	* 329
Stocks, total U. S., end of month:†													
Unadjusted.....1935-39=100..	277	235	234	252	264	262	253	236	232	245	257	283	* 294
Adjusted.....do.....	256	274	268	275	273	264	252	241	230	227	231	* 251	* 272
Mail-order and store sales:													
Total sales, 2 companies.....thous. of dol..	281,422	313,678	201,052	185,800	249,263	260,325	275,884	253,091	231,957	254,738	306,643	333,123	355,255
Montgomery Ward & Co.....do.....	106,355	117,281	67,097	71,205	97,552	99,623	104,322	89,635	84,390	97,334	117,507	127,144	129,206
Sears, Roebuck & Co.....do.....	175,067	196,397	133,955	114,595	151,711	160,701	171,562	163,456	147,627	157,405	189,136	205,979	226,048
Rural sales of general merchandise:													
Total U. S., unadjusted.....1929-31=100..	376.9	366.8	239.7	279.6	331.0	307.6	292.5	287.7	243.1	306.6	375.9	405.1	484.6
East.....do.....	372.8	333.8	243.8	266.0	358.2	309.3	296.3	278.0	223.2	297.0	340.6	398.1	491.4
South.....do.....	552.2	491.5	348.3	430.4	423.2	409.5	382.9	384.3	332.0	403.9	523.6	612.6	727.8
Middle West.....do.....	313.2	312.6	199.6	235.5	289.0	263.5	250.6	251.1	215.1	262.5	320.8	333.4	405.4
Far West.....do.....	439.0	465.5	258.9	295.0	350.5	336.5	328.8	335.3	288.7	372.8	446.9	446.3	515.3
Total U. S., adjusted.....do.....	289.7	229.4	315.0	345.6	376.9	334.6	318.6	315.8	333.0	374.8	355.6	311.8	372.5
East.....do.....	289.2	200.5	320.7	325.2	398.9	324.6	322.1	302.8	313.5	372.6	346.5	309.3	381.2
South.....do.....	402.1	327.2	440.3	471.9	468.6	464.8	451.5	478.0	489.0	560.2	474.3	413.3	530.1
Middle West.....do.....	238.9	200.4	261.0	296.2	326.2	282.1	264.7	266.0	291.5	318.2	313.0	262.5	309.2
Far West.....do.....	361.9	285.2	352.2	398.6	425.8	376.8	365.7	351.8	352.1	404.8	381.9	371.6	424.8
WHOLESALE TRADE													
Service and limited function wholesalers:*													
Estimated sales, total.....mil. of dol..	5,368	5,346	5,109	4,732	4,996	4,977	4,952	4,843	4,998	5,108	5,674	* 6,433	5,773
Durable goods establishments.....do.....	1,600	1,671	1,583	1,599	1,736	1,818	1,763	1,699	1,636	1,669	1,819	2,032	1,854
Nondurable goods establishments.....do.....	3,768	3,675	3,526	3,133	3,260	3,159	3,189	3,144	3,362	3,439	3,855	* 4,401	3,919
All wholesalers, estimated inventories*.....do.....	5,738	5,939	6,271	6,514	6,729	6,823	6,734	6,755	6,660	6,768	6,888	6,930	7,370

EMPLOYMENT CONDITIONS AND WAGES

EMPLOYMENT													
Employment status of noninstitutional population:*													
Estimated number 14 years of age and over, total.....thous.....	106,840	106,940	106,970	107,060	107,190	107,260	107,330	107,407	107,504	107,590	107,675	107,755	107,839
Female.....do.....	54,110	54,150	54,180	54,230	54,376	54,420	54,460	54,506	54,561	54,612	54,661	54,710	54,759
Male.....do.....	52,730	52,790	52,790	52,830	52,814	52,840	52,870	52,901	52,943	52,978	53,014	53,045	53,080
Armed forces.....do.....	2,010	1,890	1,720	1,620	1,570	1,530	1,470	1,398	1,371	1,352	1,326	1,327	1,294
Civilian labor force, total.....do.....	58,970	58,430	57,790	58,010	58,390	59,120	60,290	62,609	62,664	61,665	60,784	60,892	60,216
Female.....do.....	17,020	16,440	15,930	15,910	15,950	16,320	17,120	18,149	17,803	17,125	17,233	17,449	17,068
Male.....do.....	41,950	41,990	41,860	42,100	42,440	42,800	43,170	44,460	44,861	44,540	43,551	43,443	43,148
Employed.....do.....	57,040	56,310	55,390	55,060	56,060	56,700	58,330	60,055	60,079	59,569	58,872	59,204	58,595
Female.....do.....	16,610	16,016	15,480	15,430	15,470	15,800	16,580	17,302	17,008	16,547	16,714	16,944	16,623
Male.....do.....	40,430	40,300	39,910	40,090	40,590	40,900	41,750	42,753	43,071	43,022	42,158	42,260	41,972
Agricultural employment.....do.....	7,900	7,210	6,500	6,920	7,240	7,360	8,960	10,377	10,066	8,975	8,727	8,622	7,985
Nonagricultural employment.....do.....	49,140	49,100	48,890	48,600	48,820	48,840	49,370	49,678	50,013	50,594	50,145	50,583	50,609
Unemployed.....do.....	1,930	2,120	2,400	2,490	2,330	2,420	2,555	2,584	2,584	2,121	1,912	1,687	1,621
Not in labor force.....do.....	45,860	46,620	47,460	47,430	47,230	46,610	45,570	43,399	43,469	44,203	45,544	45,535	46,330
Employees in nonagricultural establishments:†													
Unadjusted (U. S. Department of Labor):													
Total.....thous.....	42,439	42,928	41,803	41,849	42,043	41,824	41,919	42,361	42,175	* 42,624	* 43,036	* 43,298	43,449
Manufacturing.....do.....	15,271	15,348	15,372	15,475	15,510	15,429	15,237	15,327	15,209	* 15,595	* 15,798	* 15,832	15,851
Mining.....do.....	883	874	883	880	879	856	884	893	864	896	* 894	* 894	896
Construction.....do.....	1,713	1,644	1,527	1,502	1,534	1,619	1,685	1,768	1,847	* 1,895	* 1,904	* 1,895	1,852
Transportation and public utilities.....do.....	4,101	4,071	4,014	4,011	4,020	3,836	3,970	4,115	4,140	* 4,145	* 4,114	* 4,102	4,077
Trade.....do.....	8,898	9,234	8,552	8,507	8,565	8,552	8,545	8,581	8,553	* 8,586	* 8,680	* 8,880	9,081
Finance.....do.....	1,543	1,546	1,544	1,546	1,555	1,554	1,561	1,567	1,590	1,602	1,583	* 1,586	1,588
Service.....do.....	4,555	4,573	4,527	4,561	4,565	4,552	4,590	4,711	4,636	4,619	4,634	* 4,662	4,676
Government.....do.....	5,475	5,638	5,384	5,367	5,415	5,426	5,447	5,399	5,281	5,288	5,425	5,447	5,428
Adjusted (Federal Reserve):													
Total.....do.....	42,139	42,207	42,243	42,354	42,395	42,065	42,079	42,340	42,103	* 42,449	* 42,846	* 43,077	* 43,141
Manufacturing.....do.....	15,233	15,310	15,426	15,529	15,564	15,513	15,359	15,358	15,180	* 15,457	* 15,712	* 15,735	* 15,812
Mining.....do.....	883	874	883	880	879	856	884	893	866	896	* 894	* 894	896
Construction.....do.....	1,679	1,731	1,678	1,651	1,632	1,652	1,668	1,700	1,742	* 1,770	* 1,796	* 1,805	* 1,816
Transportation and public utilities.....do.....	4,101	4,091	4,075	4,052	4,040	3,855	3,970	4,074	4,079	* 4,083	* 4,114	* 4,102	4,077
Trade.....do.....	8,639	8,630	8,595										

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947									
	November	December	January	February	March	April	May	June	July	August	September	October	November

EMPLOYMENT CONDITIONS AND WAGES—Continued

EMPLOYMENT—Continued													
Estimated production workers in manufacturing industries, total (U. S. Dept. of Labor)*	12,449	12,514	12,511	12,593	12,614	12,524	12,341	12,404	12,276	12,640	12,829	12,854	12,874
Durable goods industries.....do.....	6,379	6,393	6,429	6,502	6,532	6,524	6,426	6,488	6,307	6,401	6,477	6,528	6,573
Iron and steel and their products.....do.....	1,535	1,521	1,552	1,562	1,567	1,567	1,555	1,562	1,547	1,572	1,580	1,589	1,599
Blast furnaces, steel works, and rolling mills													
thousands.....do.....	482	467	480	483	482	487	491	497	498	503	500	502	502
Electrical machinery.....do.....	590	597	598	601	599	567	554	574	557	575	567	577	584
Machinery, except electrical.....do.....	1,150	1,161	1,173	1,181	1,189	1,197	1,194	1,185	1,149	1,155	1,185	1,190	1,194
Machinery and machine-shop products.....do.....	378	380	381	385	386	386	384	382	373	376	378	378	378
Machine tools.....do.....	60	61	60	59	58	57	55	53	50	52	52	51	51
Automobiles.....do.....	778	774	755	791	798	807	751	789	785	772	798	795	793
Transportation equipment, except automobiles													
thousands.....do.....	464	473	474	472	471	477	466	463	395	397	409	424	437
Aircraft and parts (excluding engines).....do.....	146	145	144	142	141	142	138	134	129	131	131	134	134
Aircraft engines.....do.....	29	29	30	29	28	28	27	27	27	27	27	26	26
Shipbuilding and boatbuilding.....do.....	134	143	142	141	140	144	140	140	88	87	95	104	104
Nonferrous metals and products.....do.....	422	426	428	432	430	424	412	401	386	390	394	397	398
Lumber and timber basic products.....do.....	599	592	592	598	611	627	651	665	658	679	679	681	684
Sawmills and logging camps.....do.....	480	473	471	477	489	503	524	535	531	552	550	550	550
Furniture and finished lumber products.....do.....	419	425	432	441	440	433	425	426	419	433	438	446	454
Furniture.....do.....	224	227	230	235	234	229	226	227	224	230	233	239	239
Stone, clay, and glass products.....do.....	422	424	425	424	427	429	418	423	411	424	427	429	430
Nondurable goods industries.....do.....	6,070	6,121	6,082	6,091	6,082	5,996	5,915	5,916	5,987	6,239	6,352	6,326	6,301
Textile-mill products and other fiber manufactures													
thousands.....do.....	1,230	1,242	1,242	1,247	1,242	1,223	1,197	1,179	1,158	1,172	1,192	1,217	1,238
Cotton manufactures, except small wares													
thousands.....do.....	512	516	518	520	519	517	509	502	493	494	499	508	508
Silk and rayon goods.....do.....	106	107	107	107	107	105	103	102	100	102	103	106	106
Woolen and worsted manufactures (except dyeing and finishing).....do.....	179	182	180	179	175	170	164	163	158	163	169	171	171
Apparel and other finished textile products													
thousands.....do.....	1,063	1,079	1,090	1,119	1,120	1,066	1,037	1,040	1,040	1,122	1,149	1,181	1,169
Men's clothing.....do.....	280	283	285	288	288	284	281	285	278	295	299	307	307
Women's clothing.....do.....	407	414	422	439	442	408	389	389	400	440	452	462	462
Leather and leather products.....do.....	357	362	362	364	363	358	345	346	349	360	364	366	368
Boots and shoes.....do.....	219	222	223	224	224	221	213	214	217	223	225	226	226
Food and kindred products.....do.....	1,141	1,139	1,098	1,059	1,055	1,068	1,077	1,114	1,203	1,344	1,376	1,255	1,202
Baking.....do.....	212	215	212	208	210	212	211	213	217	218	220	225	225
Canning and preserving.....do.....	216	195	158	138	129	135	136	155	246	350	379	237	237
Slaughtering and meat packing.....do.....	163	180	184	178	172	168	173	176	182	183	182	183	183
Tobacco manufactures.....do.....	91	92	90	89	86	82	83	84	84	85	86	88	90
Paper and allied products.....do.....	383	387	386	387	387	385	381	381	387	380	381	385	387
Paper and pulp.....do.....	190	192	192	193	194	192	193	195	194	197	197	197	197
Printing, publishing, and allied industries													
thousands.....do.....	415	420	417	420	421	421	422	423	422	426	429	433	435
Newspapers and periodicals.....do.....	135	137	135	137	139	140	141	142	142	143	144	145	145
Printing, book and job.....do.....	177	178	178	178	177	176	175	176	176	176	178	181	181
Chemicals and allied products.....do.....	550	555	564	568	569	565	561	543	547	547	563	572	574
Chemicals.....do.....	121	123	124	124	125	125	125	127	126	125	124	123	123
Products of petroleum and coal.....do.....	155	155	154	155	155	154	158	160	163	163	162	162	162
Petroleum refining.....do.....	99	99	98	99	99	98	100	101	103	103	102	101	101
Rubber products.....do.....	240	242	240	240	238	234	223	219	212	215	215	220	223
Rubber tires and inner tubes.....do.....	129	129	128	127	126	123	119	118	115	117	113	114	114
Production workers, unadjusted index, all manufacturing (U. S. Dept. of Labor)†.....1939=100.....	152.0	152.8	152.7	153.7	154.0	152.9	150.6	151.4	150.1	154.3	156.6	156.9	157.2
Durable goods industries.....do.....	176.7	177.0	178.0	180.1	180.9	180.8	178.0	179.7	174.7	177.3	179.4	180.8	182.0
Iron and steel and their products.....do.....	154.9	153.4	156.5	157.5	158.1	158.0	156.8	157.5	156.1	158.5	159.3	160.2	161.3
Blast furnaces, steel works, and rolling mills													
1939=100.....do.....	124.0	120.2	123.5	124.4	124.2	125.3	126.4	128.0	128.2	129.5	128.7	129.3	129.3
Electrical machinery.....do.....	227.6	230.6	230.8	232.0	231.3	218.7	213.8	221.5	215.0	215.6	218.9	222.8	225.2
Machinery, except electrical.....do.....	217.7	219.6	222.0	223.5	225.1	226.6	225.9	224.2	217.4	222.4	224.3	225.1	225.9
Machinery and machine-shop products.....do.....	186.7	187.6	188.8	190.3	190.6	190.8	189.6	188.7	184.5	185.9	187.0	186.7	186.7
Machine tools.....do.....	164.6	165.3	163.2	161.1	158.4	156.1	150.5	145.9	136.8	141.6	141.2	140.4	140.4
Automobiles.....do.....	193.3	192.3	187.7	196.6	198.2	200.5	186.5	196.2	192.0	198.3	197.7	197.7	197.0
Transportation equipment, except automobiles													
1939=100.....do.....	292.4	298.2	298.4	297.6	296.7	300.8	293.7	291.8	248.9	250.0	257.4	267.2	275.3
Aircraft and parts (excluding engines).....do.....	368.8	364.8	362.8	357.6	355.8	357.6	348.4	337.4	326.0	329.3	329.1	337.5	337.5
Aircraft engines.....do.....	329.8	326.2	331.4	321.8	314.9	315.8	303.4	302.5	301.1	299.9	299.2	294.8	294.8
Shipbuilding and boatbuilding.....do.....	193.2	206.2	205.7	203.3	202.8	207.8	202.7	202.7	126.7	125.8	137.5	149.4	149.4
Nonferrous metals and products.....do.....	184.0	185.8	186.9	188.9	187.5	184.8	179.6	175.1	168.6	170.4	171.7	173.3	173.6
Lumber and timber basic products.....do.....	142.4	140.8	140.9	142.3	145.4	149.1	154.8	158.2	156.5	161.5	161.6	162.1	162.7
Sawmills and logging camps.....do.....	152.9	150.7	150.2	152.1	155.7	160.3	167.0	170.5	169.4	175.8	175.3	175.5	175.5
Furniture and finished lumber products.....do.....	127.7	129.6	131.8	134.5	134.2	131.8	129.5	129.8	127.8	131.9	133.5	136.1	138.3
Furniture.....do.....	125.6	127.7	129.3	132.1	131.3	128.9	127.0	127.6	125.9	129.4	131.0	134.1	134.1
Stone, clay, and glass products.....do.....	143.9	144.4	144.9	144.5	145.3	146.0	142.6	144.0	140.2	144.6	145.5	146.0	146.6
Nondurable goods industries.....do.....	132.5	133.6	132.8	133.0	132.8	130.9	129.1	129.1	130.7	136.2	138.7	138.1	137.5
Textile-mill products and other fiber manufactures.....1939=100.....	107.6	108.6	108.6	109.1	108.6	106.9	104.6	103.1	101.2	102.5	104.2	106.4	108.3
Cotton manufactures, except small wares													
1939=100.....do.....	122.5	123.4	123.9	124.4	124.1	123.5	121.7	119.9	117.7	118.1	119.3	121.5	121.5
Silk and rayon goods.....do.....	83.6	84.4	84.6	84.4	84.3	83.2	81.5	80.3	79.0	80.2	81.6	83.5	83.5
Woolen and worsted manufactures (except dyeing and finishing).....do.....	113.6	115.3	114.3	113.8	111.1	107.8	104.2	103.3	100.3	103.3	107.0	108.4	108.4
Apparel and other finished textile products													
1939=100.....do.....	134.6	136.6	138.0	141.7	141.9	135.0	131.4	131.7	142.2	145.6	149.6	148.1	148.1
Men's clothing.....do.....	121.8	123.1	123.9	125.3	125.2	123.5	122.2	121.1	128.3	130.4	133.7	133.7	133.7
Women's clothing.....do.....	142.1	144.8	147.4	153.5	154.5	142.4	136.0	135.9	139.8	153.9	158.0	161.5	161.5
Leather and leather products.....do.....	102.9	104.4	104.4	104.9	104.7	103.0							

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947									
	November	December	January	February	March	April	May	June	July	August	September	October	November

EMPLOYMENT CONDITIONS AND WAGES—Continued

EMPLOYMENT—Continued													
Production workers, index, unadjusted†—Con.													
Nondurable goods industries—Continued													
Tobacco manufactures.....1939=100..	97.6	96.3	96.1	95.4	92.2	87.5	88.4	90.2	89.8	91.6	92.3	† 95.1	97.0
Paper and allied products.....do.....	144.3	145.7	145.6	145.9	145.9	143.7	143.4	140.7	143.0	143.5	143.5	145.0	145.8
Paper and pulp§.....do.....	137.9	139.2	139.6	140.4	140.4	139.6	140.3	141.3	140.9	† 142.7	142.9	† 142.9	142.9
Printing, publishing and allied industries.....do.....	126.6	127.9	127.2	128.1	128.2	128.5	128.6	129.1	128.8	129.8	130.7	† 132.0	132.8
Newspapers and periodicals§.....do.....	113.7	115.2	114.0	115.7	116.9	117.9	119.0	119.7	119.8	120.5	121.7	† 121.8	121.8
Printing, book and job§.....do.....	138.3	139.5	139.5	139.4	138.4	138.1	137.2	137.8	138.2	137.7	139.1	† 141.6	141.6
Chemicals and allied products.....do.....	190.9	192.5	195.6	197.1	197.5	196.2	194.8	188.5	189.8	189.7	195.2	† 198.4	199.1
Chemicals.....do.....	173.3	176.7	178.6	178.6	179.1	180.1	180.3	182.1	180.8	179.2	177.6	† 177.4	177.4
Products of petroleum and coal.....do.....	146.6	146.1	145.4	146.0	145.9	145.4	149.3	150.8	153.7	154.1	153.4	† 152.8	152.8
Petroleum refining.....do.....	136.0	136.4	135.0	135.2	135.4	134.0	137.9	139.2	141.4	141.5	140.0	† 138.7	138.7
Rubber products.....do.....	198.8	200.1	198.8	198.2	196.5	193.5	184.5	180.7	175.2	† 177.8	† 178.1	† 182.0	184.3
Rubber tires and inner tubes§.....do.....	238.3	237.9	235.5	233.3	231.4	227.0	220.0	217.0	212.3	† 214.9	† 207.5	211.0	211.0
Production workers, adjusted index, all manufacturing (Federal Reserve)†.....1939=100..													
Durable goods industries†.....do.....	176.4	177.1	178.7	180.8	181.5	181.2	178.2	179.5	174.0	176.2	† 179.0	† 180.7	† 181.8
Nondurable goods industries†.....do.....	131.8	133.0	133.4	133.6	133.4	132.2	131.1	129.8	130.0	134.2	† 137.3	† 137.4	† 136.9
Nonmanufacturing, unadjusted (U. S. Dept. of Labor):													
Mining:†													
Anthracite.....1939=100..	82.9	83.0	83.4	82.9	81.8	80.1	81.1	80.3	78.7	81.4	80.7	† 80.9	80.9
Bituminous coal.....do.....	90.0	88.1	90.8	90.4	89.7	83.0	88.1	88.7	82.1	88.4	89.2	† 89.9	90.6
Metalliferous.....do.....	85.2	86.2	87.2	87.6	88.6	89.6	89.4	90.4	89.1	89.5	88.3	† 87.9	88.9
Quarrying and nonmetallie.....do.....	101.2	99.7	96.9	97.1	98.7	103.1	104.3	105.7	106.0	106.3	105.4	† 104.5	104.5
Crude petroleum and natural gas†.....do.....	93.0	92.6	92.1	91.7	92.0	92.6	93.3	95.5	97.2	† 97.4	† 95.7	94.5	94.5
Public utilities:†													
Electric light and power.....do.....	102.5	103.0	102.5	103.2	104.0	104.8	105.7	107.5	109.3	110.2	109.9	† 109.4	109.7
Street railways and busses.....do.....	130.6	130.1	130.9	131.1	131.0	130.9	130.7	130.9	130.9	130.7	129.6	† 128.8	128.5
Telegraph.....do.....	108.7	107.4	104.6	101.5	100.7	104.5	102.8	102.3	101.5	100.5	99.8	† 98.1	98.1
Telephone.....do.....	183.4	184.6	185.2	186.9	188.4	127.2	159.2	190.4	193.3	193.8	† 192.9	† 191.6	191.6
Services:†													
Dyeing and cleaning.....do.....	123.0	120.9	118.2	117.0	118.8	121.5	123.7	127.7	123.4	117.4	118.6	† 120.0	116.1
Power laundries.....do.....	109.9	116.9	111.0	109.5	108.7	109.1	110.2	112.2	112.8	110.2	109.6	† 108.5	107.4
Year-round hotels.....do.....	120.2	119.1	117.3	117.7	117.3	117.5	118.4	119.4	118.3	117.6	† 117.4	† 117.7	118.1
Trade:													
Retail, total†.....do.....	117.4	126.5	110.5	109.6	111.2	111.5	111.3	111.4	110.2	† 110.0	112.3	† 115.7	119.5
Food*.....do.....	105.6	111.9	108.5	111.2	112.8	113.7	113.9	113.7	113.0	† 114.7	112.6	† 115.0	115.0
General merchandising†.....do.....	145.2	171.0	125.6	119.4	122.5	122.9	121.2	120.6	116.7	115.7	122.6	† 131.3	131.3
Wholesale†.....do.....	112.7	114.4	112.2	111.9	111.7	110.5	109.7	110.5	111.1	112.2	113.3	† 115.5	117.8
Miscellaneous employment data:													
Federal and State highways, total.....number..	220,879	198,097	186,449	188,212	199,338	213,871	240,838	266,966	285,865	295,234	282,762	271,999	271,999
Construction (Federal and State).....do.....	75,850	56,289	45,094	46,048	52,330	60,239	90,595	107,192	116,116	125,999	120,546	115,565	115,565
Maintenance (State).....do.....	108,328	104,901	104,914	105,699	107,855	105,407	109,641	116,465	123,877	123,976	117,605	113,058	113,058
Federal civilian employees:†													
United States.....thousands..	2,018	1,981	1,973	1,966	1,944	1,926	1,907	1,850	1,817	1,784	1,767	1,774	† 1,773
District of Columbia.....do.....	224	221	220	219	218	215	212	205	198	196	195	195	† 195
Railway employees (class I steam railways):													
Total.....thousands..	1,412	1,383	1,361	1,353	1,354	1,375	1,395	1,405	1,413	1,411	1,393	† 1,389	† 1,371
Indexes: Unadjusted†.....1935-39=100..	135.4	132.5	130.5	129.7	129.9	131.9	133.8	134.8	135.5	135.3	† 133.6	† 133.2	† 131.4
Adjusted†.....do.....	134.3	134.6	135.7	133.0	133.2	134.0	134.3	132.9	132.7	132.5	† 130.4	† 128.9	† 130.3
PAY ROLLS													
Production-workers pay rolls, unadjusted index, all manufacturing (U. S. Dept. of Labor)†													
1939=100..	298.2	306.2	307.3	310.6	314.1	310.7	312.2	319.6	314.2	† 323.3	† 336.9	341.6	341.6
Durable goods industries.....do.....	331.1	337.3	340.0	344.9	349.9	349.9	353.8	365.9	350.1	† 356.9	† 372.2	379.6	379.6
Iron and steel and their products.....do.....	280.8	276.2	287.9	287.9	294.2	297.5	306.7	316.1	304.4	314.4	325.7	329.0	329.0
Blast furnaces, steel works, and rolling mills.....1939=100..	208.7	193.9	208.9	209.3	212.9	219.8	236.2	247.0	235.3	250.4	252.9	249.9	249.9
Electrical machinery.....do.....	416.0	430.2	425.6	422.9	429.6	396.6	407.1	432.6	422.3	420.3	442.2	455.9	455.9
Machinery, except electrical.....do.....	390.1	399.9	406.6	409.6	416.6	423.0	429.5	434.6	419.2	† 426.1	† 442.6	448.2	448.2
Machinery and machine-shop products.....do.....	336.8	346.7	350.3	352.0	354.9	357.6	362.6	367.9	366.1	360.2	372.0	373.6	373.6
Machine tools§.....do.....	285.5	290.7	282.7	278.9	275.6	269.7	263.6	262.6	239.9	250.8	254.2	253.9	253.9
Automobiles§.....do.....	325.7	328.9	321.1	337.3	347.7	343.4	329.0	357.0	348.8	† 338.7	† 373.5	380.3	380.3
Transportation equipment, except automobiles.....1939=100..	531.1	571.2	562.6	558.2	556.9	565.3	561.3	560.3	483.0	482.9	501.5	525.2	525.2
Aircraft and parts, excluding engines§.....do.....	680.4	683.3	667.8	667.8	662.2	657.2	629.2	622.4	637.6	624.4	624.4	663.1	663.1
Aircraft engines§.....do.....	484.3	533.7	535.0	506.8	479.9	487.6	477.0	481.5	485.1	486.7	† 501.3	499.9	499.9
Shipbuilding and boatbuilding§.....do.....	336.8	399.1	395.8	377.9	386.0	399.1	395.6	394.3	243.1	† 241.8	† 266.1	297.8	297.8
Nonferrous metals and their products.....do.....	345.3	356.3	354.8	360.0	359.0	354.0	349.0	346.2	326.6	† 329.7	† 343.6	353.2	353.2
Lumber and timber basic products.....do.....	284.7	290.6	292.4	310.7	310.1	323.4	351.4	374.9	359.8	387.3	385.7	385.5	385.5
Sawmills and logging camps§.....do.....	305.7	306.9	309.2	333.4	334.5	350.5	384.7	412.2	397.4	430.4	425.8	420.6	420.6
Furniture and finished lumber products.....do.....	268.5	279.1	283.1	292.0	292.0	286.8	285.1	290.4	281.4	293.3	305.0	318.5	318.5
Furniture§.....do.....	263.7	273.4	278.8	289.1	288.8	282.2	278.9	284.7	274.4	284.7	297.9	315.0	315.0
Stone, clay, and glass products.....do.....	274.8	281.6	280.0	278.4	285.7	288.8	286.9	298.2	285.9	301.7	† 306.0	311.2	311.2
Nondurable goods industries.....do.....	266.0	275.8	275.3	277.4	279.2	272.3	271.5	274.2	279.1	290.4	302.4	304.5	304.5
Textile-mill products and other fiber manufactures.....1939=100..	246.0	253.7	254.3	262.0	265.0	255.4	248.3	242.5	237.5	† 240.1	† 256.3	264.9	264.9
Cotton manufactures, exc. small wares.....do.....	305.9	314.0	317.7	322.8	336.6	329.2	317.3	307.5	302.6	305.7	317.4	329.1	329.1
Silk and rayon goods.....do.....	202.4	209.4	213.2	219.3	221.5	213.3	212.9	206.0	203.0	208.5	220.2	227.6	227.6
Woolen and worsted manufactures, except dyeing and finishing.....1939=100..	253.7	264.6	263.6	288.1	274.7	260.6	252.6	252.5	243.0	233.6	268.5	270.4	270.4
Apparel and other finished textile products.....1939=100..													
Men's clothing§.....do.....	283.2	292.7	300.6	314.1	317.5	279.8	272.1	274.9	278.9	302.3	318.5	336.0	336.0
Women's clothing§.....do.....	271.9	278.4	277.2	280.8	281.3	267.1	270.5	264.8	260.0	284.8	284.9	302.3	302.3
Leather and leather products.....do.....	284.9	296.3	340.0	344.8	340.0	277.7	260.3	264.1	283.1	† 323.1	† 334.7	349.5	349.5
Boots and shoes§.....do.....	201.6	218.3	220.8	223.0	222.2	214.6	207.0	211.5	214.2	220.4	231.6	234.9	234.9
Food and kindred products.....do.....	190.8	209.3	197.7	198.9	213.7	205.3	197.0	201.7	204.8	209.9	221.5	223.8	223.8
Baking§.....do.....	252.0	263.3	256.4	242.5	239.3	243.1	252.8	267.8	295.8	325.6	331.6	308.8	308.8
Ginning and preserving§.....do.....	205.3	215.6	207.8	201.7	200.7	203.4	208.4	213.1	218.0	218.4	222.2	230.8	230.8
Slaughtering and meat packing§.....do.....	311.5	302.5	236.6	207.2	197.4	211.7	217.8	249.3					

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947										
	November	December	January	February	March	April	May	June	July	August	September	October	November
EMPLOYMENT CONDITIONS AND WAGES—Continued													
PAY ROLLS—Continued													
Production-workers pay rolls, mfg., unadj.†—Con.													
Nondurable goods industries—Continued													
Tobacco manufactures..... 1939=100	212.7	222.0	209.4	201.0	193.1	181.6	182.8	194.8	200.0	203.0	204.9	214.5	
Paper and allied products..... do.	276.6	284.5	285.1	288.1	290.9	290.9	291.1	298.0	298.7	300.6	308.5	314.4	
Paper and pulp..... do.	267.0	272.7	274.3	279.8	281.4	284.4	289.4	302.1	309.6	* 312.3	* 317.0	317.3	
Printing, publishing, and allied industries													
..... 1939=100	214.0	223.9	219.6	221.8	227.7	230.7	234.2	235.9	233.6	235.5	* 245.0	247.9	
Newspapers and periodicals..... do.	182.0	189.7	185.2	191.2	197.2	202.1	209.3	210.0	208.9	214.0	221.6	221.6	
Printing, book and job..... do.	241.4	253.7	249.4	248.4	253.5	255.2	255.4	258.1	258.9	254.8	266.6	272.8	
Chemicals and allied products..... do.	345.0	357.0	362.9	372.6	377.5	378.3	381.5	373.3	378.7	380.4	395.1	400.5	
Chemicals..... do.	301.3	313.4	321.0	323.5	326.8	329.5	334.9	338.9	341.8	336.8	336.2	335.5	
Products of petroleum and coal..... do.	252.6	250.9	253.9	256.8	262.1	265.2	275.7	286.2	295.6	297.2	302.4	297.9	
Petroleum refining..... do.	226.9	230.2	227.5	228.8	234.9	236.8	243.8	253.8	265.4	262.2	266.4	258.7	
Rubber products..... do.	377.4	392.2	386.3	385.0	374.3	383.9	367.2	361.9	352.7	* 357.4	* 369.0	375.6	
Rubber tires and inner tubes..... do.	414.7	425.3	416.3	413.3	397.3	414.2	399.3	396.1	389.5	* 396.0	* 397.9	398.0	
Nonmanufacturing, unadjusted (U. S. Dept. of Labor):													
Mining:†													
Anthracite..... 1939=100	182.3	212.3	202.0	184.7	206.2	155.5	186.3	194.6	177.8	216.6	211.1	224.1	
Bituminous coal..... do.	233.1	258.3	265.4	248.7	245.6	189.8	244.6	252.3	192.9	264.4	270.2	275.2	
Metalliferous..... do.	146.9	159.3	156.8	162.0	162.6	164.7	172.1	181.8	171.9	178.3	179.0	179.5	
Quarrying and nonmetallic..... do.	222.4	221.9	204.8	205.6	213.7	233.2	241.7	251.3	251.2	259.6	258.5	261.2	
Crude petroleum and natural gas..... do.	151.0	147.1	153.8	152.9	154.5	162.3	163.4	175.3	173.9	* 173.4	175.6	169.9	
Public utilities:†													
Electric light and power..... do.	157.6	161.6	159.5	163.7	160.8	166.5	168.2	177.5	178.4	182.9	183.1	182.8	
Street railways and busses..... do.	210.9	213.6	216.1	219.5	218.6	218.8	220.0	222.1	222.1	225.2	224.1	223.2	
Telegraph..... do.	194.2	190.5	189.1	185.4	198.0	239.3	226.9	218.8	215.2	213.5	211.8	208.1	
Telephone..... do.	273.0	264.5	267.5	269.4	267.2	136.1	202.9	292.5	302.2	306.2	* 312.3	314.2	
Services:†													
Dyeing and cleaning..... do.	217.0	219.5	213.8	204.7	214.7	221.7	231.5	241.9	228.2	208.9	220.7	221.6	
Power laundries..... do.	191.5	201.0	201.8	196.1	196.9	200.5	203.8	211.1	210.3	203.9	208.2	204.5	
Year-round hotels..... do.	218.5	218.8	215.1	216.6	216.8	219.4	221.1	226.4	222.0	221.0	222.6	227.1	
Trade:													
Retail, total†..... do.	191.7	212.2	187.2	187.5	190.1	192.9	195.3	201.6	198.5	* 197.6	202.5	206.9	
Food..... do.	185.7	194.6	189.4	197.1	199.9	202.8	206.0	212.1	213.8	212.2	209.3	213.8	
General merchandising†..... do.	225.0	277.2	208.4	201.4	205.6	210.4	212.3	218.9	214.1	212.0	219.8	224.5	
Wholesale†..... do.	189.7	197.2	189.7	190.4	191.6	190.8	191.4	198.0	196.5	198.2	203.3	206.9	
LABOR CONDITIONS													
Average weekly hours per worker (U. S. Dept. of Labor):													
All manufacturing†..... hours	40.2	40.9	40.6	40.4	40.4	40.0	40.1	40.2	39.8	39.8	40.4	40.5	▷ 40.3
Durable goods industries*..... do.	40.2	40.8	40.5	40.5	40.7	40.7	40.5	40.7	40.0	40.0	40.6	41.0	▷ 40.8
Iron and steel and their products*..... do.	40.0	39.8	40.2	40.0	40.4	40.4	40.3	40.5	39.3	39.6	40.2	40.4	
Blast furnaces, steel works, and rolling mills*..... hours	38.8	37.0	38.2	38.5	38.9	39.2	38.9	39.5	37.4	39.2	38.9	39.0	
Electrical machinery*..... do.	40.6	41.1	40.5	40.0	40.5	40.0	39.8	39.8	39.8	39.2	40.3	40.6	
Machinery, except electrical*..... do.	40.9	41.4	41.4	41.3	41.5	41.5	41.4	41.3	40.9	40.5	* 41.2	41.4	
Machinery and machine-shop products*..... hours	41.1	41.8	41.7	41.5	41.6	41.6	41.6	41.5	40.8	40.9	41.4	41.5	
Machine tools*..... do.	42.3	42.8	42.2	42.3	42.3	42.0	42.1	42.2	41.6	* 41.4	* 41.8	41.9	
Automobiles*..... do.	38.6	39.4	38.9	38.8	39.7	38.5	38.3	38.7	37.7	* 37.2	* 39.2	39.6	
Transportation equipment, except automobiles*..... hours	38.4	40.6	40.2	39.7	39.8	39.8	40.2	40.1	40.1	* 39.6	* 39.6	40.4	
Aircraft and parts (excluding engines)*..... hours	39.6	40.4	39.8	40.1	39.8	39.6	39.5	39.2	39.7	40.0	* 39.2	40.3	
Aircraft engines*..... do.	37.2	41.9	41.4	40.7	39.4	39.7	39.6	38.8	39.2	39.2	* 40.0	40.5	
Shipbuilding and boatbuilding*..... do.	35.7	40.0	40.2	38.4	39.9	39.9	40.4	40.7	39.9	* 39.3	* 39.2	39.6	
Nonferrous metals and their products*..... do.	40.9	41.7	41.0	41.0	40.9	40.8	40.6	40.5	39.7	* 39.5	40.1	40.7	
Lumber and timber basic products*..... do.	40.6	41.7	40.6	42.1	41.0	41.4	42.0	42.8	42.2	* 43.2	42.7	42.4	
Sawmills and logging camps*..... do.	40.2	41.1	40.0	41.8	40.6	40.9	41.7	42.5	42.1	43.1	42.5	42.0	
Furniture and finished lumber products*..... hours	41.7	42.2	41.8	41.9	41.7	41.5	41.5	41.7	41.1	41.2	41.5	42.1	
Furniture*..... do.	41.4	41.6	41.5	42.0	41.9	41.4	41.2	41.6	40.9	* 41.0	41.4	42.3	
Stone, clay, and glass products*..... do.	40.3	41.0	40.5	40.1	40.5	40.5	40.3	40.8	40.1	* 40.6	* 40.6	40.7	
Nondurable goods industries*..... do.	40.3	41.1	40.7	40.4	40.1	39.6	39.7	39.8	39.7	39.5	40.1	40.1	▷ 39.8
Textile-mill products and other fiber manufactures*..... hours	40.2	40.9	40.5	40.4	40.0	39.1	38.9	38.6	38.4	38.2	39.5	39.7	
Cotton manufactures, except small wares*..... hours	40.3	40.9	40.6	40.5	40.1	39.3	38.8	38.3	38.4	38.4	39.2	39.6	
Silk and rayon goods*..... do.	41.1	41.8	41.1	41.6	41.5	40.2	41.0	40.3	40.3	40.0	40.9	41.0	
Woolen and worsted manufactures except dyeing and finishing*..... hours	40.1	41.3	41.3	41.0	40.1	39.1	39.2	39.4	39.1	36.6	40.2	39.7	
Apparel and other finished textile products*..... hours	36.6	37.0	36.9	36.7	36.7	35.5	35.8	36.0	35.8	35.2	35.9	36.8	
Men's clothing*..... do.	37.8	38.1	37.8	37.8	37.6	36.6	37.2	37.2	36.5	35.1	36.5	37.5	
Women's clothing*..... do.	34.9	35.3	35.7	36.2	36.1	34.4	34.6	35.0	34.8	* 34.6	34.9	35.8	
Leather and leather products*..... do.	37.1	39.1	39.3	39.5	39.0	38.3	38.1	38.1	38.2	38.1	39.1	39.0	
Boots and shoes*..... do.	36.3	38.8	39.1	39.2	38.1	38.0	37.8	37.7	37.8	37.7	38.8	38.7	
Food and kindred products*..... do.	42.9	44.4	43.6	42.7	42.3	42.1	43.0	43.2	43.2	43.4	* 43.5	42.8	
Baking*..... do.	44.0	45.3	43.9	43.2	43.0	42.5	42.5	42.6	42.7	41.9	41.9	41.9	
Canning and preserving*..... do.	37.3	38.8	37.6	37.0	37.7	38.0	38.3	37.8	39.9	42.6	* 42.9	40.9	
Slaughtering and meat packing*..... do.	44.9	46.4	47.5	42.7	41.9	41.8	44.0	44.5	44.5	43.0	43.4	43.2	
Tobacco manufactures*..... do.	39.7	40.2	39.2	37.8	37.5	36.7	36.3	38.2	39.6	39.2	39.1	39.8	
Paper and allied products*..... do.	43.3	43.2	43.2	43.2	43.2	43.0	43.1	42.9	42.9	42.4	42.9	43.0	
Paper and pulp*..... do.	44.4	44.6	44.2	44.3	44.3	44.4	44.7	44.5	44.5	* 44.1	44.5	44.4	
Printing, publishing, and allied industries*..... hours	41.0	41.5	41.0	40.1	40.3	40.1	40.1	39.9	39.6	39.4	* 40.2	40.1	
Newspapers and periodicals*..... do.	39.3	39.3	38.9	38.6	38.8	38.9	38.9	38.4	38.2	38.5	38.9	38.7	
Printing, book and job*..... do.	41.9	42.7	42.0	40.8	41.1	40.7	40.6	40.6	40.5	40.0	40.8	40.7	
Chemicals and allied products*..... do.	41.3	41.6	41.5	41.4	41.3	41.0	41.1	41.1	40.9	40.9	41.1	41.3	
Chemicals*..... do.	41.1	41.2	41.3	41.0	40.9	40.8	41.0	40.9	41.1	40.7	40.5	40.6	
Products of petroleum and coal*..... do.	40.3	40.0	40.2	40.1	40.2	40.5	40.0	40.7	40.5	40.6	40.9	40.5	
Petroleum refining*..... do.	40.0	40.4	39.9	39.8	39.8	40.1	39.5	40.6	40.7	40.3	40.7	39.9	
Rubber products*..... do.	40.0	41.1	40.6	40.6	39.8	39.5	39.0	39.1	38.6	* 38.7	* 39.9	40.1	
Rubber tires and inner tubes*..... do.	39.0	39.8	39.5	39.3	38.2	38.2	37.6	37.7	37.9	* 37.8	* 38.9	38.7	

* Revised. † Preliminary. § See note marked "§" on p. S-10.

1 Not strictly comparable with data prior to May 1947; comparable April 1947 figure, 41.9.

*New series. Indexes of pay rolls beginning 1939 for retail food establishments are shown on p. 31 of the June 1943 Survey. Data beginning 1939 for the printing and publishing industries and the aircraft engine industries will be published later. Data beginning 1939 for all series on average hours will also be published later; see note in the September 1947 issue for reference to earliest data published in the Survey and explanation of a change in January 1945 which affected the comparability of the data for the machine tools, aircraft engines, and shipbuilding industries.

† Revised series. See note marked "†" on p. S-10 with regard to revised indexes of pay rolls in manufacturing industries and note marked "†" on p. S-11 with regard to revised data for pay rolls in nonmanufacturing industries. Data beginning 1942 for average weekly hours in all manufacturing industries are available in the March 1943 and later issues of the Survey; revised data prior to 1942 have not been published in the Survey and will be shown later.

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947									
	November	December	January	February	March	April	May	June	July	August	September	October	November

EMPLOYMENT CONDITIONS AND WAGES—Continued

LABOR CONDITIONS—Continued												
Average weekly hours per worker—Continued												
Nonmanufacturing industries:												
Building construction..... hours	37.2	38.4	37.6	36.9	38.0	37.1	37.7	37.7	37.9	39.7	38.0	38.0
Mining:												
Anthracite..... do	35.7	40.9	39.1	35.1	39.8	32.3	37.2	39.2	37.0	38.5	38.2	40.0
Bituminous coal..... do	41.7	46.7	46.7	43.6	43.7	36.4	44.3	43.7	31.8	39.1	39.1	40.0
Metalliferous..... do	39.9	42.2	41.2	42.0	41.6	41.8	42.2	42.6	41.2	41.4	41.6	42.3
Quarrying and nonmetallic..... do	45.4	45.8	43.1	42.8	43.5	44.5	45.6	45.6	45.2	46.1	46.1	46.4
Crude petroleum and natural gas..... do	40.4	39.5	41.3	40.3	39.6	40.8	40.5	41.9	40.6	40.1	40.3	40.0
Public utilities:												
Electric light and power..... do	41.6	41.4	41.9	41.6	41.0	42.2	41.6	42.2	42.1	42.4	42.0	42.1
Street railways and busses..... do	47.3	47.9	47.7	48.0	47.8	47.8	47.6	47.4	46.3	46.6	46.1	45.7
Telegraph..... do	43.5	43.2	43.8	44.0	43.7	47.3	46.0	44.8	44.8	44.8	44.5	44.8
Telephone..... do	39.3	38.0	38.4	38.0	37.9	26.9	31.5	37.5	38.4	38.7	39.1	39.3
Services:												
Dyeing and cleaning..... do	41.9	42.8	42.3	41.1	42.0	41.9	42.6	42.9	42.1	40.8	41.9	41.5
Power laundries..... do	42.6	43.5	43.3	42.5	42.4	42.8	42.7	42.8	42.6	42.2	42.4	42.3
Year-round hotels..... do	43.8	43.7	43.8	44.3	44.7	44.9	45.0	45.2	44.9	45.0	44.1	43.9
Trade:												
Retail..... do	39.7	40.3	39.9	40.1	40.0	40.0	40.0	40.8	41.1	41.0	40.2	40.0
Wholesale..... do	41.6	42.3	41.5	40.8	40.8	41.2	41.2	41.6	41.1	41.1	41.2	41.0
Industrial disputes (strikes and lock-outs):												
Beginning in month:												
Work stoppages..... number	344	168	290	290	325	460	425	350	300	325	200	175
Workers involved..... thousands	435	76	100	90	100	600	200	475	500	120	75	60
In effect during month:												
Work stoppages..... number	677	402	460	460	500	625	650	600	500	500	350	275
Workers involved..... thousands	707	500	150	145	160	650	625	625	650	250	165	100
Man-days idle during month..... do	4,980	3,130	1,250	1,225	850	7,750	5,700	3,750	4,200	2,500	2,000	1,850
Percent of available working time*..... do	.8	.5	.2	.2	.1	1.1	.8	.5	.6	.4	.3	.1
U. S. Employment Service placement activities:												
Nonagricultural placements †..... thousands	440	358	366	348	391	419	442	453	454	484	546	528
Unemployment compensation (Soc. Sec. Admin.):												
Initial claims*..... thousands	620	909	1,011	731	739	1,020	1,166	878	942	623	566	618
Continued claims○..... do	3,492	4,119	4,982	4,487	4,684	4,833	4,802	4,905	5,219	4,206	3,742	3,359
Benefit payments:												
Beneficiaries, weekly averageⓄ..... do	710	747	893	911	975	930	940	1,006	958	907	779	656
Amount of payments..... thous. of dol.	54,098	59,370	74,760	65,910	71,545	71,569	72,295	73,559	76,682	66,456	59,257	52,774
Veterans' unemployment allowances:*												
Initial claims..... thousands	405	583	638	444	397	373	354	493	476	386	283	289
Continued claims..... do	3,743	4,345	5,246	4,504	4,423	3,913	3,173	3,021	3,446	3,023	2,448	1,939
Claims filed during last week of month..... do	877	935	1,168	1,140	1,002	850	677	722	759	715	528	419
Amount of payments..... thous. of dol.	74,421	81,964	100,586	88,364	89,052	78,806	63,722	58,509	66,213	59,521	50,171	38,153
Labor turn-over in manufacturing establishments:‡												
Accession rate..... monthly rate per 100 employees	5.7	4.3	6.0	5.0	5.1	5.1	4.8	5.5	4.9	5.3	5.9	5.5
Separation rate, total..... do	4.9	4.5	4.9	4.5	4.9	5.2	5.4	4.7	4.6	5.3	5.9	5.0
Discharges..... do	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4
Layoffs..... do	.7	1.0	.9	.8	.9	1.0	1.4	1.1	1.0	.8	.9	.9
Quits..... do	3.7	3.0	3.5	3.2	3.5	3.7	3.5	3.1	3.1	4.0	4.5	3.6
Military and miscellaneous..... do	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
WAGES												
Average weekly earnings (U. S. Dept. of Labor):												
All manufacturing †..... dollars	45.79	46.96	47.10	47.29	47.69	47.50	48.44	49.33	48.98	49.17	50.43	50.98
Durable goods industries †..... do	48.62	49.57	49.60	49.74	50.30	50.34	51.72	52.99	52.19	52.46	54.01	54.66
Iron and steel and their products †..... do	49.91	49.67	50.64	50.33	51.31	51.78	53.71	55.18	53.67	54.53	56.15	56.30
Blast furnaces, steel works, and rolling mills †..... do	50.82	48.59	50.89	50.67	51.77	52.83	56.26	58.12	55.23	58.25	59.16	58.56
Electrical machinery †..... do	48.33	49.13	48.63	48.13	49.07	48.36	50.24	51.57	52.00	51.53	53.44	54.14
Machinery, except electrical †..... do	52.06	52.87	53.12	53.22	53.82	54.25	55.20	56.30	56.06	55.74	57.40	57.99
Machinery and machine-shop products †..... do	51.38	52.62	52.78	52.61	53.10	53.31	54.44	55.53	55.00	55.07	56.41	56.62
Machine tools..... do	55.90	56.66	56.17	56.09	56.46	56.06	57.13	58.31	56.78	57.77	58.69	59.25
Automobiles †..... do	53.83	54.98	54.13	54.29	55.45	54.14	55.96	57.48	56.44	55.76	59.35	60.71
Transportation equipment, except automobiles †..... do	52.37	55.35	54.48	54.34	54.25	54.29	55.31	55.59	56.02	55.75	56.31	57.95
Aircraft and parts (excluding engines) †..... do	52.53	53.46	52.59	53.41	53.22	52.54	52.42	52.58	54.48	55.30	54.00	56.05
Aircraft engines †..... do	51.06	56.89	56.15	54.77	53.02	53.69	54.76	55.44	56.19	56.58	58.43	59.31
Shipbuilding and boatbuilding..... do	51.47	57.21	57.05	55.37	56.59	56.97	57.91	57.70	56.77	56.93	57.35	59.19
Nonferrous metals and products †..... do	49.24	50.40	49.91	50.12	50.26	50.30	51.15	52.06	51.12	51.07	52.65	53.63
Lumber and timber basic products †..... do	37.74	38.79	39.11	41.18	40.31	41.01	43.06	45.04	43.57	45.32	45.04	44.76
Sawmills and logging camps..... do	36.37	37.05	37.41	39.89	39.12	39.81	41.95	44.14	42.86	44.50	44.05	43.45
Furniture and finished lumber products †..... do	41.62	42.49	42.41	42.80	43.00	42.87	43.45	44.24	43.51	44.09	45.38	46.55
Furniture †..... do	42.41	43.04	43.35	44.20	44.33	43.99	44.21	45.04	44.12	44.58	46.24	47.76
Stone, clay, and glass products †..... do	44.91	45.89	45.58	45.49	46.38	46.49	47.24	48.54	48.00	49.06	49.51	49.99
Nondurable goods industries †..... do	42.87	44.24	44.47	44.67	44.89	44.40	44.88	45.31	45.61	45.78	46.78	47.17
Textile-mill products and other fiber manufactures †..... dollars	38.38	39.26	39.29	40.32	41.01	40.12	39.89	39.54	39.48	39.44	41.39	41.94
Cotton manufactures, except small wares †..... dollars	36.14	36.85	37.06	37.56	39.22	38.53	37.73	37.10	37.21	37.50	38.55	39.22
Silk and rayon goods †..... do	38.69	39.57	40.21	41.45	41.94	40.89	41.73	40.97	41.17	41.65	43.23	43.57
Woolen and worsted manufactures (except dyeing and finishing) †..... dollars	41.67	42.96	43.10	47.44	46.28	45.26	45.28	45.75	45.33	42.28	46.99	46.70
Apparel and other finished textile products †..... dollars	36.54	37.23	38.22	38.74	38.41	35.44	35.36	35.77	36.50	36.57	37.53	38.66
Men's clothing †..... do	41.39	41.78	41.70	41.86	41.99	40.45	41.49	41.35	40.17	38.66	41.05	42.77
Women's clothing †..... do	43.28	44.14	47.30	48.77	47.75	42.32	41.58	41.87	43.81	45.49	45.90	46.78
Leather and leather products †..... do	37.24	39.83	40.18	40.29	40.11	39.44	39.45	40.12	40.30	40.25	41.89	42.18
Boots and shoes..... do	35.76	38.65	39.05	38.96	38.91	37.96	37.78	38.30	38.49	38.32	40.12	40.41

* Revised. † Preliminary. ‡ Partly estimated.
 • See p. 23 of December 1946 Survey for 1944-45 data.
 ○ Small revisions for January 1940 to May 1944 are available on request.
 † Rates refer to all employees and are therefore not strictly comparable with data prior to 1943 published in the Survey.
 ‡ See note in September 1947 Survey regarding a change in January 1945, also in 1942 for women's clothing industry, which affected the comparability of the data.
 § New series. See note marked "*" on p. 8-12 of the September 1947 Survey for reference to available data for the series on average weekly hours in nonmanufacturing industries with the exception of year-round hotels which has not been included previously. Data are available beginning 1939 for average hours in year-round hotels, average weekly earnings in the aircraft engine industry, and initial unemployment compensation claims, beginning September 1944 for veterans' unemployment allowances, and beginning 1927 for man-days idle as a percent of available working time.
 † Revised series. The indicated series on average weekly earnings and average hourly earnings (p. S-14) have been shown on a revised basis beginning in the March 1943 Survey; see note in that issue for an explanation of the revision.

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947									
	November	December	January	February	March	April	May	June	July	August	September	October	November

EMPLOYMENT CONDITIONS AND WAGES—Continued

WAGES—Continued													
Average weekly earnings—Continued													
All manufacturing—Continued													
Nondurable goods industries—Continued													
Food and kindred products†.....dollars..	44.84	46.93	47.31	46.40	46.05	46.20	47.71	48.27	48.40	49.45	49.13	49.61	
Baking§.....do.....	46.01	47.55	46.32	45.80	45.17	45.26	44.84	45.50	45.81	45.52	46.14	46.85	
Canning and preserving†.....do.....	35.28	37.93	36.55	36.82	37.40	38.50	39.39	39.37	39.96	45.88	43.94	45.03	
Slaughtering and meat packing.....do.....	51.15	51.73	57.20	52.82	49.87	50.22	53.37	54.40	56.82	54.33	55.31	54.98	
Tobacco manufactures.....do.....	36.66	38.12	36.74	35.44	35.21	34.84	34.46	36.30	37.74	37.26	37.24	37.91	
Paper and allied products†.....do.....	46.08	46.87	47.05	47.42	47.92	48.20	48.79	49.95	51.06	50.72	51.87	52.09	
Paper and pulp.....do.....	49.37	49.92	50.18	50.98	51.27	52.07	52.84	54.83	56.36	56.30	57.03	57.19	
Printing, publishing, and allied industries†.....dollars..	55.11	57.03	56.60	56.74	58.19	58.69	59.55	59.76	59.37	59.48	61.58	61.67	
Newspapers and periodicals*.....do.....	61.11	62.95	62.08	63.00	64.25	65.29	67.10	67.16	66.53	67.74	69.59	69.32	
Printing, book and job*.....do.....	52.60	54.98	54.19	54.07	55.67	56.13	56.41	56.81	56.77	55.95	58.32	58.63	
Chemicals and allied products†.....do.....	45.88	47.14	47.39	48.17	48.60	48.93	49.80	50.59	51.00	51.27	51.81	51.77	
Chemicals.....do.....	52.96	54.15	54.77	55.10	55.33	55.45	56.35	56.80	57.73	57.44	57.98	57.82	
Products of petroleum and coal†.....do.....	54.50	54.55	55.24	55.39	56.53	57.41	57.92	59.64	60.57	60.62	61.97	61.14	
Petroleum refining.....do.....	57.11	57.80	57.74	57.75	59.15	60.24	60.01	62.17	64.12	63.12	64.75	63.82	
Rubber products†.....do.....	52.93	54.63	54.03	54.06	52.97	55.23	55.30	55.49	55.74	55.92	57.76	55.55	
Rubber tires and inner tubes.....do.....	58.87	60.46	59.78	59.90	58.05	61.64	61.12	61.35	62.06	61.15	63.80	63.78	
Average hourly earnings (U. S. Dept. of Labor):													
All manufacturing.....dollars..													
Durable goods industries†.....do.....	1.139	1.148	1.161	1.170	1.180	1.186	1.207	1.226	1.230	1.236	1.249	1.257	1.266
Iron and steel and their products†.....do.....	1.210	1.216	1.224	1.229	1.236	1.243	1.278	1.303	1.305	1.312	1.330	1.337	1.341
Blast furnaces, steel works, and rolling mills†.....dollars..	1.247	1.248	1.261	1.258	1.269	1.280	1.333	1.363	1.365	1.376	1.397	1.398	
Electrical machinery†.....do.....	1.310	1.314	1.332	1.317	1.333	1.347	1.445	1.472	1.478	1.488	1.515	1.502	
Machinery, except electrical†.....do.....	1.191	1.195	1.199	1.203	1.212	1.210	1.264	1.295	1.308	1.314	1.325	1.332	
Machinery and machine-shop products†.....dollars..	1.273	1.277	1.283	1.290	1.298	1.308	1.334	1.363	1.371	1.377	1.394	1.401	
Machine tools.....do.....	1.249	1.257	1.264	1.267	1.275	1.279	1.307	1.336	1.349	1.353	1.370	1.377	
Automobiles†.....do.....	1.322	1.322	1.326	1.325	1.334	1.334	1.357	1.381	1.366	1.394	1.405	1.408	
Transportation equipment, except automobiles†.....dollars..	1.394	1.395	1.390	1.399	1.396	1.406	1.463	1.485	1.496	1.500	1.515	1.532	
Aircraft and parts (excluding engines).....dollars..	1.364	1.362	1.356	1.367	1.362	1.363	1.376	1.387	1.395	1.406	1.422	1.434	
Aircraft engines*§.....do.....	1.326	1.325	1.321	1.332	1.338	1.326	1.328	1.341	1.372	1.381	1.384	1.390	
Shipbuilding and boatbuilding.....do.....	1.373	1.357	1.357	1.344	1.344	1.353	1.383	1.428	1.435	1.443	1.460	1.461	
Nonferrous metals and products†.....do.....	1.441	1.430	1.420	1.442	1.418	1.426	1.433	1.421	1.421	1.447	1.459	1.489	
Lumber and timber basic products†.....do.....	1.204	1.210	1.217	1.222	1.226	1.234	1.260	1.286	1.289	1.294	1.313	1.317	
Sawmills and logging camps.....do.....	.931	.931	.962	.979	.983	.990	1.025	1.053	1.033	1.048	1.054	1.055	
Furniture and finished lumber products†.....dollars..	.906	.901	.935	.954	.965	.972	1.006	1.040	1.018	1.034	1.037	1.035	
Furniture.....do.....	.999	1.007	1.015	1.022	1.031	1.032	1.046	1.061	1.058	1.070	1.093	1.105	
Stone, clay, and glass products†.....do.....	1.024	1.034	1.046	1.049	1.059	1.064	1.074	1.085	1.079	1.089	1.117	1.130	
Textile-mill products and other fiber manufactures†.....dollars..	1.114	1.119	1.125	1.133	1.144	1.149	1.173	1.190	1.198	1.208	1.221	1.229	
Cotton manufactures, except small wares†.....dollars..	1.065	1.077	1.094	1.107	1.119	1.122	1.139	1.140	1.150	1.158	1.165	1.174	1.185
Silk and rayon goods†.....do.....	.955	.959	.970	.997	1.024	1.027	1.025	1.024	1.028	1.032	1.048	1.055	
Woolen and worsted manufactures (except dyeing and finishing)†.....dollars..	.898	.900	.914	.927	.979	.981	.970	.970	.973	.977	.985	.991	
Apparel and other finished textile products†.....dollars..	.941	.944	.975	.996	1.012	1.016	1.019	1.017	1.023	1.043	1.057	1.062	
Men's clothing†.....do.....	1.038	1.039	1.045	1.156	1.155	1.159	1.158	1.160	1.160	1.156	1.169	1.178	
Women's clothing§.....do.....	.998	1.006	1.037	1.049	1.045	.999	.988	.994	1.020	1.038	1.046	1.051	
Leather and leather products†.....do.....	1.086	1.089	1.095	1.097	1.106	1.094	1.105	1.104	1.098	1.090	1.106	1.120	
Boots and shoes.....do.....	1.211	1.223	1.297	1.314	1.293	1.200	1.168	1.182	1.241	1.285	1.286	1.285	
Food and kindred products†.....do.....	1.004	1.018	1.023	1.021	1.028	1.029	1.035	1.053	1.055	1.057	1.072	1.082	
Baking§.....do.....	.978	.995	.985	.989	.999	.998	1.000	1.020	1.018	1.018	1.035	1.046	
Canning and preserving†.....do.....	1.046	1.058	1.084	1.088	1.088	1.097	1.110	1.119	1.121	1.140	1.130	1.159	
Slaughtering and meat packing.....do.....	1.045	1.051	1.056	1.060	1.057	1.065	1.067	1.074	1.074	1.091	1.104	1.115	
Tobacco manufactures.....do.....	.950	.982	.975	.997	.995	1.018	1.034	1.045	1.003	1.083	1.030	1.105	
Paper and allied products†.....do.....	1.137	1.119	1.206	1.193	1.191	1.204	1.214	1.222	1.282	1.267	1.276	1.273	
Paper and pulp.....do.....	.924	.947	.938	.937	.939	.949	.948	.950	.953	.951	.953	.954	
Printing, publishing, and allied industries†.....dollars..	1.064	1.071	1.088	1.098	1.109	1.121	1.133	1.165	1.190	1.196	1.208	1.211	
Newspapers and periodicals*.....do.....	1.111	1.119	1.134	1.149	1.157	1.173	1.182	1.231	1.266	1.276	1.281	1.283	
Printing, book and job*.....do.....	1.343	1.374	1.381	1.415	1.443	1.462	1.486	1.499	1.498	1.508	1.532	1.539	
Chemicals and allied products†.....do.....	1.528	1.569	1.575	1.607	1.626	1.651	1.699	1.719	1.713	1.737	1.756	1.765	
Chemicals.....do.....	1.259	1.295	1.297	1.336	1.364	1.386	1.397	1.406	1.408	1.406	1.436	1.451	
Products of petroleum and coal†.....do.....	1.112	1.133	1.143	1.165	1.177	1.192	1.210	1.232	1.247	1.252	1.263	1.254	
Petroleum refining.....do.....	1.288	1.316	1.327	1.342	1.351	1.359	1.375	1.390	1.404	1.410	1.432	1.432	
Rubber products†.....do.....	1.351	1.362	1.372	1.382	1.408	1.418	1.448	1.464	1.495	1.494	1.514	1.509	
Rubber tires and inner tubes.....do.....	1.429	1.434	1.447	1.451	1.488	1.501	1.520	1.532	1.570	1.567	1.591	1.589	
Nonmanufacturing industries:*.....do.....	1.322	1.331	1.330	1.331	1.330	1.397	1.416	1.419	1.445	1.445	1.447	1.436	
Building construction.....do.....	1.503	1.513	1.511	1.517	1.512	1.608	1.622	1.615	1.640	1.640	1.661	1.644	
Mining:													
Anthracite.....do.....	1.549	1.569	1.594	1.598	1.610	1.634	1.656	1.661	1.669	1.689	1.718	1.738	
Bituminous coal.....do.....	1.582	1.615	1.594	1.637	1.632	1.545	1.593	1.596	1.575	1.780	1.765	1.784	
Metalliferous.....do.....	1.477	1.491	1.490	1.491	1.484	1.483	1.470	1.489	1.740	1.787	1.819	1.797	
Quarrying and nonmetallic.....do.....	1.219	1.232	1.229	1.238	1.241	1.237	1.278	1.323	1.311	1.354	1.370	1.358	
Crude petroleum and natural gas§.....do.....	1.045	1.052	1.058	1.062	1.069	1.080	1.092	1.121	1.129	1.146	1.156	1.169	
Public utilities:	1.334	1.346	1.355	1.390	1.421	1.444	1.448	1.475	1.481	1.486	1.510	1.494	
Electric light and power.....do.....	1.302	1.337	1.313	1.352	1.341	1.343	1.358	1.388	1.374	1.378	1.390	1.392	
Street railways and busses.....do.....	1.125	1.142	1.165	1.174	1.184	1.190	1.195	1.212	1.231	1.241	1.265	1.265	
Telegraph.....do.....	1.063	1.062	1.069	1.164	1.164	1.252	1.242	1.236	1.226	1.228	1.234	1.227	
Telephone§.....do.....	1.131	1.132	1.132	1.141	1.124	1.174	1.189	1.218	1.211	1.215	1.230	1.241	
Services:													
Dyeing and cleaning§.....do.....	.854	.867	.874	.861	.876	.888	.894	.898	.899	.892	.911	.919	
Power laundries§.....do.....	.729	.739	.745	.748	.759	.757	.756	.767	.769	.771	.786	.787	
Year-round hotels.....do.....	.642	.651	.648	.654	.642	.642	.642	.650	.652	.660	.672	.683	
Trade:													
Retail.....do.....	.917	.919	.953	.957	.960	.974	.985	.996	1.003	1.002	1.009	1.015	
Wholesale.....do.....	1.186	1.202	1.197	1.230	1.231	1.229	1.						

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947										
	November	December	January	February	March	April	May	June	July	August	September	October	November
EMPLOYMENT CONDITIONS AND WAGES—Continued													
WAGES—Continued													
Miscellaneous wage data:													
Construction wage rates (E. N. R.):§													
Common labor..... dol. per hr..	1.078	1.085	1.109	1.123	1.123	1.138	1.146	1.189	1.217	1.221	1.221	1.244	1.260
Skilled labor..... do.....	1.86	1.87	1.89	1.92	1.92	1.94	1.94	2.01	2.07	2.08	2.10	2.12	2.12
Farm wages without board (quarterly)..... dol. per month.....			106.00			107.00			114.00			112.00	
Railway wages (average, class I)..... dol. per hr..	1.146	1.150	1.146	1.173	1.146	1.136	1.136	1.140	1.133	1.137	1.264	1.250	
Road-building wages, common labor:													
United States average..... do.....	.86	.83	.84	.81	.84	.86	.88	.89	.92	(¹)	(¹)	1.01	(¹)
PUBLIC ASSISTANCE													
Total public assistance..... mil. of dol..	110	114	116	118	121	122	122	122	123	125	126	128	129
Old-age assistance, and aid to dependent children and the blind, total..... mil. of dol..	99	102	103	104	107	108	108	109	110	112	112	114	115
Old-age assistance..... do.....	76	77	78	79	81	81	81	82	82	83	84	85	86
General relief..... do.....	11	12	13	14	14	14	14	13	13	13	13	14	14

FINANCE

BANKING													
Agricultural loans outstanding of agencies supervised by the Farm Credit Administration:†													
Total..... mil. of dol..	1,690	1,661	1,662	1,670	1,654	1,671	1,683	1,706	1,731	1,746	1,746	1,739	1,713
Farm mortgage loans, total..... do.....	1,099	1,085	1,068	1,060	1,048	1,040	1,034	1,033	1,028	1,018	1,007	993	982
Federal land banks..... do.....	954	944	932	928	919	913	910	910	907	900	891	882	875
Land Bank Commissioner..... do.....	145	140	135	133	129	126	124	123	121	118	115	111	107
Loans to cooperatives, total..... do.....	189	188	195	194	182	158	152	159	180	205	240	284	288
Short-term credit, total..... do.....	401	389	399	416	444	473	497	514	523	522	500	462	444
Bank debits, total (141 centers)†..... do.....	77,193	93,547	83,445	72,944	83,502	78,295	78,359	84,897	83,957	75,048	81,799	94,058	82,740
New York City..... do.....	31,088	41,252	34,305	29,745	33,547	31,391	30,895	34,779	28,331	31,837	37,504	31,738	31,738
Outside New York City..... do.....	46,105	52,295	49,140	43,199	49,955	46,904	47,464	49,265	49,178	46,717	49,962	56,554	51,002
Federal Reserve banks, condition, end of month:													
Assets, total..... mil. of dol..	45,647	45,006	45,957	46,547	44,931	44,236	44,882	44,425	44,626	45,615	46,153	46,583	47,205
Reserve bank credit outstanding, total..... do.....	24,791	24,093	24,754	24,846	23,431	22,205	22,738	22,170	21,875	22,759	22,730	22,906	22,975
Bills discounted..... do.....	316	163	308	356	538	125	179	70	137	185	92	296	331
United States securities..... do.....	23,944	23,350	23,941	24,117	22,593	21,857	22,088	21,872	21,549	22,192	22,329	22,168	22,269
Gold certificate reserves..... do.....	18,310	18,381	18,627	19,113	19,222	19,537	19,689	20,039	20,296	20,534	20,723	21,044	21,363
Liabilities, total..... do.....	45,647	45,006	45,957	46,547	44,931	44,236	44,882	44,425	44,626	45,615	46,153	46,583	47,205
Deposits, total..... do.....	18,083	17,353	18,928	19,489	18,249	17,470	18,009	17,748	17,869	18,695	18,718	19,240	19,431
Member-bank reserve balances..... do.....	16,513	16,139	16,063	15,895	15,264	15,826	16,238	16,112	16,007	16,601	16,784	16,956	16,974
Excess reserves (estimated)..... do.....	1,063	562	663	847	344	654	991	738	399	823	841	864	838
Federal Reserve notes in circulation..... do.....	24,799	24,945	24,387	24,320	24,162	24,022	24,154	24,090	24,345	24,482	24,482	24,481	24,651
Reserve ratio..... percent.....	42.7	43.5	43.0	43.6	45.3	47.1	46.7	47.8	48.4	47.7	48.0	48.1	48.5
Federal Reserve weekly reporting member banks, condition, Wednesday nearest end of month:†													
Deposits:													
Demand, adjusted..... mil. of dol..	46,751	46,582	46,552	45,124	44,482	46,150	46,314	46,626	47,145	46,954	47,056	47,771	48,247
Demand, except interbank:													
Individuals, partnerships, and corporations..... mil. of dol..	46,978	47,252	46,106	45,199	44,210	45,798	45,867	46,443	46,816	46,884	47,330	47,988	48,379
States and political subdivisions..... do.....	2,796	2,907	2,948	2,937	3,075	3,350	3,268	3,191	3,109	3,124	3,076	3,027	3,146
United States Government..... do.....	3,762	1,917	1,819	2,135	1,817	1,476	1,119	596	648	940	1,561	969	741
Time, except interbank, total..... do.....	13,902	14,063	14,096	14,226	14,303	14,349	14,411	14,460	14,470	14,520	14,561	14,584	14,478
Individuals, partnerships, and corporations..... mil. of dol..	13,585	13,719	13,775	13,887	13,936	13,955	14,005	14,055	14,061	14,104	14,151	14,175	14,069
States and political subdivisions..... do.....	240	259	237	254	285	312	324	328	329	334	328	327	328
Interbank..... do.....	10,970	11,269	10,705	10,546	10,636	10,351	10,126	10,581	10,320	10,833	11,178	11,117	11,121
Investments, total..... do.....	46,996	45,037	44,601	43,540	42,959	43,674	43,224	43,094	42,971	42,877	42,740	42,462	41,798
U. S. Government obligations, direct and guaranteed, total..... mil. of dol..	43,069	41,053	40,642	39,619	38,850	39,465	39,220	38,900	38,739	38,354	38,400	38,192	37,500
Bills..... do.....	795	962	438	424	692	753	827	909	638	519	769	948	
Certificates..... do.....	6,742	6,299	6,345	5,382	5,096	5,402	5,135	4,648	4,535	4,334	4,025	4,032	3,291
Bonds (incl. guaranteed obligations)..... do.....	30,574	30,374	30,398	30,354	30,307	30,472	30,556	30,701	30,935	31,015	31,254	30,973	30,474
Notes..... do.....	4,958	3,418	3,461	3,459	2,815	2,838	2,702	2,652	2,631	2,619	2,632	2,418	2,847
Other securities..... do.....	3,927	3,984	3,959	3,931	4,109	4,169	4,004	4,104	4,232	4,233	4,340	4,270	4,238
Loans, total..... do.....	19,246	19,417	19,566	19,759	20,020	19,864	20,015	20,277	20,508	21,212	22,056	22,572	23,229
Commercial, industrial, and agricultural..... do.....	11,234	11,346	11,599	11,820	12,271	12,043	11,792	11,809	11,967	12,518	13,116	13,817	14,358
To brokers and dealers in securities..... do.....	1,442	1,471	1,235	1,191	874	833	1,769	1,266	1,095	1,166	1,234	970	919
Other loans for purchasing or carrying securities..... mil. of dol..	1,389	1,256	1,139	1,112	1,063	1,051	1,009	986	1,023	975	975	976	945
Real estate loans..... do.....	2,400	2,490	2,563	2,631	2,739	2,831	2,897	2,981	3,079	3,171	3,244	3,316	3,388
Loans to banks..... do.....	152	72	215	170	179	184	191	158	235	215	246	187	230
Other loans..... do.....	2,629	2,782	2,815	2,835	2,894	2,922	2,957	3,077	3,109	3,167	3,241	3,306	3,389
Money and interest rates:†													
Bank rates to customers:													
New York City..... percent.....	1.85				1.82			1.83			1.77		
7 other northern and eastern cities..... do.....	2.43				2.37			2.44			2.25		
11 southern and western cities..... do.....	2.76				2.80			2.95			2.69		
Discount rate (N. Y. F. R. Bank)..... do.....	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Federal land bank loans..... do.....	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
Federal intermediate credit bank loans..... do.....	1.50	1.50	1.50	1.50	1.52	1.52	1.52	1.52	1.52	1.52	1.53	1.53	1.53
Open market rates, New York City:													
Acceptances, prime, bankers', 90 days..... percent.....	.81	.81	.81	.81	.81	.81	.81	.81	.81	.88	.94	.94	.94
Commercial paper, prime, 4-6 months..... do.....	.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.06	1.06	1.06
Time loans, 90 days (N. Y. S. E.)..... do.....	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
Call loans, renewal (N. Y. S. E.)..... do.....	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38

† Revised. ‡ Preliminary. § For bond yields see p. S-19. ¶ To be reported quarterly after July 1947; the figure for October is an average for the week nearest the 15th of the month. § Rate as of January 1, 1948: Construction—Common labor, \$1.264; skilled labor, \$2.12. ¶ The total and total short-term credit have been revised to include emergency crop and drought relief loans which are now supervised by the Farmers Home Administration and publication of the detail for short-term credit and loans to cooperatives has been discontinued in the Survey; see September 1947 Survey for loans included in these totals. † Rates on all loans; see note on item in April 1946 Survey. ‡ Revised series. Bank debits were revised in the September 1943 Survey to include additional banks; see p. S-15 of that issue for revised figures for May-December 1942. The series for weekly reporting banks have been shown on a revised basis beginning in the August 1947 Survey; see note in that issue.

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947										
	November	December	January	February	March	April	May	June	July	August	September	October	November
FINANCE—Continued													
BANKING—Continued													
Money and interest rates—Continued													
Open market rates, New York City—Continued													
Average yield on U. S. Govt. securities:													
3-month bills..... percent.....	.376	.375	.376	.376	.376	.376	.376	.376	.703	.748	.804	.857	.932
3-5 year taxable issues..... do.....	1.28	1.30	1.26	1.26	1.24	1.24	1.27	1.29	1.33	1.31	1.28	1.35	1.47
Savings deposits, balance to credit of depositors:													
New York State savings banks..... mil. of dol.....	9,013	9,170	9,232	9,278	9,340	9,377	9,427	9,535	9,556	9,580	9,630	9,655	9,681
U. S. Postal Savings..... do.....	3,260	3,284	3,331	3,355	3,379	3,382	3,387	3,398	3,398	3,396	3,407	3,413	3,414
CONSUMER SHORT-TERM CREDIT*													
Total consumer short-term debt, end of month..... mil. of dol.....	9,542	10,166	10,024	10,019	10,379	10,631	10,934	11,230	11,302	11,431	11,677	12,052	12,668
Installment debt, total..... do.....	3,646	3,976	4,048	4,156	4,329	4,536	4,739	4,919	5,045	5,178	5,256	5,453	5,724
Sale debt, total*..... do.....	1,358	1,558	1,566	1,608	1,695	1,813	1,922	2,036	2,092	2,167	2,257	2,370	2,651
Automobile dealers*..... do.....	505	544	581	631	691	753	816	880	922	965	1,004	1,047	1,099
Department stores and mail-order houses*..... mil. of dol.....	284	337	337	338	358	386	409	423	429	440	462	495	560
Furniture stores*..... do.....	337	366	352	349	354	366	382	395	398	408	423	443	474
Household appliance stores*..... do.....	26	28	27	27	29	32	32	37	39	41	43	46	49
Jewelry stores*..... do.....	72	123	114	107	105	109	114	119	120	124	128	131	149
All other*..... do.....	134	160	155	154	158	167	175	182	184	189	197	208	230
Cash loan debt, total*..... do.....	2,288	2,418	2,482	2,548	2,634	2,724	2,811	2,883	2,953	3,011	3,029	3,083	3,163
Commercial banks*..... do.....	907	956	1,991	1,930	1,979	1,123	1,167	1,196	1,221	1,248	1,255	1,281	1,307
Credit unions..... do.....	176	185	186	190	197	204	213	224	233	240	245	250	257
Industrial banks*..... do.....	112	117	122	125	128	133	138	143	148	152	154	157	163
Industrial loan companies*..... do.....	94	98	102	105	108	113	116	119	121	124	125	127	130
Small loan companies..... do.....	565	608	611	611	617	627	633	638	649	652	643	647	670
Insured repair and modernization loans*..... mil. of dol.....	328	344	360	377	394	412	431	450	467	481	493	507	520
Miscellaneous lenders*..... do.....	106	110	110	110	111	112	113	113	114	114	114	114	116
Charge account sale debt*..... do.....	2,859	3,054	2,764	2,602	2,768	2,782	2,835	2,887	2,786	2,755	2,864	3,035	3,310
Single payment loans*..... do.....	2,166	2,262	2,337	2,383	2,403	2,423	2,460	2,508	2,548	2,578	2,606	2,646	2,718
Service credit*..... do.....	871	874	875	878	879	890	900	916	923	920	921	918	916
Consumer installment loans made by principal lending institutions:													
Commercial banks*..... mil. of dol.....	172	191	187	180	214	213	212	211	217	204	206	218	220
Credit unions..... do.....	33	39	33	33	38	39	42	43	44	42	41	45	44
Industrial banks*..... do.....	22	26	22	21	24	24	24	26	29	25	27	28	27
Industrial loan companies*..... do.....	20	25	20	20	23	24	24	24	23	22	24	23	25
Small loan companies..... do.....	122	166	98	90	121	116	115	117	123	113	107	121	141
FEDERAL GOVERNMENT FINANCE													
Budget receipts and expenditures:†													
Expenditures, total..... mil. of dol.....	2,529	3,662	3,113	3,914	3,598	4,001	3,851	5,540	3,669	3,060	2,932	2,445	2,194
Interest on public debt..... do.....	105	952	343	124	626	141	92	1,396	245	103	668	157	127
Veterans Administration..... do.....	515	580	576	561	566	596	1,012	601	564	511	494	481	526
National defense and related activities..... do.....	1,436	1,580	1,412	1,457	1,428	1,728	1,327	1,493	979	908	1,006	1,151	936
All other expenditures..... do.....	501	506	674	1,804	872	1,427	2,035	1,080	1,881	1,538	764	656	605
Receipts, total..... do.....	2,639	4,113	3,860	4,643	5,724	2,624	3,204	5,480	2,469	2,865	4,884	2,455	3,053
Receipts, net..... do.....	2,364	4,107	3,820	4,378	5,701	2,556	2,865	5,473	2,397	2,536	4,872	2,390	2,743
Customs..... do.....	45	43	47	36	39	41	37	35	37	31	34	42	32
Income taxes..... do.....	1,444	2,886	2,664	3,222	4,650	1,597	1,619	3,270	1,382	1,668	3,435	1,345	1,666
Social security taxes..... do.....	290	86	58	387	114	75	364	121	80	352	133	70	329
Miscellaneous internal revenue..... do.....	669	722	693	666	682	638	595	602	663	643	690	782	695
All other receipts..... do.....	192	377	398	333	239	274	589	1,452	306	171	584	216	330
Debt, gross, end of month:													
Public debt, total..... do.....	262,277	259,148	259,776	261,418	259,124	257,701	258,343	258,286	259,448	260,097	259,145	259,071	258,212
Interest-bearing, total..... do.....	260,925	257,649	258,378	258,113	255,800	254,427	254,975	255,113	256,321	257,110	256,107	256,276	255,591
Public issues..... do.....	236,671	233,064	233,601	233,176	230,618	229,147	228,789	227,747	227,805	227,890	226,587	226,822	226,074
Special issues to trust accounts, etc..... do.....	24,254	24,585	24,777	24,938	25,183	25,280	26,186	27,366	28,516	29,220	29,520	29,447	29,517
Noninterest-bearing..... do.....	1,351	1,500	1,390	3,305	3,324	3,274	3,368	3,173	3,327	2,987	2,926	2,801	2,621
Obligations guaranteed by U. S. Government..... mil. of dol.....	362	331	262	181	175	171	171	83	74	73	70	78	83
U. S. savings bonds:*													
Amount outstanding..... do.....	49,723	49,864	50,407	50,772	50,995	51,163	51,282	51,407	51,589	51,690	51,759	51,928	52,039
Sales, series E, F, and G..... do.....	453	576	952	712	617	572	488	482	559	460	466	488	412
Redemptions..... do.....	418	504	483	398	449	455	421	433	457	404	432	404	357
Government corporations and credit agencies:†													
Assets, except interagency, total..... mil. of dol.....	30,409	6,649	7,294	32,338	7,294	29,666	7,662	2,054	665	171	19	295	2,284
Loans receivable, total (less reserves)..... do.....	2,884	3,055	3,055	665	665	665	665	665	665	665	665	665	665
To aid agriculture..... do.....	171	167	167	167	167	167	167	167	167	167	167	167	167
To aid home owners..... do.....	192	204	204	204	204	204	204	204	204	204	204	204	204
To aid railroads..... do.....	19	17	17	17	17	17	17	17	17	17	17	17	17
To aid other industries..... do.....	295	238	238	238	238	238	238	238	238	238	238	238	238
To aid banks..... do.....	2,284	2,855	2,855	2,855	2,855	2,855	2,855	2,855	2,855	2,855	2,855	2,855	2,855
To aid other financial institutions..... do.....	596	596	596	596	596	596	596	596	596	596	596	596	596
Foreign loans..... do.....	1,265	1,003	1,003	1,003	1,003	1,003	1,003	1,003	1,003	1,003	1,003	1,003	1,003
All other..... do.....	1,873	1,985	1,985	1,985	1,985	1,985	1,985	1,985	1,985	1,985	1,985	1,985	1,985
Commodities, supplies, and materials..... do.....	547	3,426	3,426	3,426	3,426	3,426	3,426	3,426	3,426	3,426	3,426	3,426	3,426
U. S. Government securities..... do.....	16,924	15,486	15,486	15,486	15,486	15,486	15,486	15,486	15,486	15,486	15,486	15,486	15,486
Other securities..... do.....	3,152	3,143	3,143	3,143	3,143	3,143	3,143	3,143	3,143	3,143	3,143	3,143	3,143
Land, structures, and equipment..... do.....	5,101	4,560	4,560	4,560	4,560	4,560	4,560	4,560	4,560	4,560	4,560	4,560	4,560
All other assets..... do.....	261	169	169	169	169	169	169	169	169	169	169	169	169
Liabilities, except interagency, total..... do.....	1,252	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250
Bonds, notes, and debentures:													
Guaranteed by the United States..... do.....	3,588	3,142	3,142	3,142	3,142	3,142	3,142	3,142	3,142	3,142	3,142	3,142	3,142
Other..... do.....	498	509	509	509	509	509	509	509	509	509	509	509	509
Other liabilities..... do.....	24,810	27,268	27,268	27,268	27,268	27,268	27,268	27,268	27,268	27,268	27,268	27,268	27,268
Privately owned interests..... do.....													
U. S. Government interests..... do.....													

* Revised. † Preliminary.

† This series has been substituted beginning December 1945 for the series formerly designated "taxable treasury notes"; see note on item in September 1947 Survey for earlier data.

* New series. See note marked "(*)" on p. S-16 of the September 1947 Survey with regard to revisions in data for certain consumer credit series as published prior to the July 1947 issue and note in the April 1946 Survey indicating earlier revisions; all revisions will be published later. See note in the February 1947 Survey for information on the series for U. S. savings bonds and reference to the earliest data published.

† Revised series. Total Federal expenditures has been revised to include net expenditures (excluding debt retirement) of wholly-owned Government corporations, shown separately prior to the October 1947 Survey, and several changes have been made in the detail. Data for "national defense and related activities" (formerly designated "war and defense activities") exclude beginning July 1947 certain miscellaneous items included in earlier data (see note 5 on p. S-17 of September 1947 Survey). Data for Veterans Administration include veterans' pensions and benefits and transfers to trust accounts. Data for social security taxes have been revised to exclude railroad unemployment insurance contributions which are not classified as internal revenue. See notes in May 1946, October 1946 and February 1947 issues of the Survey for explanation of changes in data for assets and liabilities of Government corporations and credit agencies and note in November 1946 issue for explanation of revised classifications for the Reconstruction Finance Corporation.

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947										
	November	December	January	February	March	April	May	June	July	August	September	October	November
FINANCE—Continued													
FEDERAL GOVT. FINANCE—Continued													
Reconstruction Finance Corporation, loans outstanding, end of month, total† mil. of dol.	1,279	1,287	1,270	1,268	1,298	1,290	1,250	1,271	1,150	1,154	1,151	1,154	1,152
Banks and trust cos., incl. receivers.....do	203	201	188	186	182	179	177	159	157	153	152	151	149
Other financial institutions.....do	49	50	54	60	68	80	97	40	40	40	40	40	40
Railroads, including receivers.....do	147	147	146	146	144	144	144	144	144	143	142	142	142
Loans to business enterprises, except to aid in national defense.....mil. of dol.	165	168	172	174	178	183	186	203	207	214	218	226	228
National defense.....do	320	327	318	312	310	292	232	283	283	282	280	283	280
Other loans and authorizations.....do	396	395	391	390	415	412	413	441	318	320	318	312	312
LIFE INSURANCE													
Life Insurance Association of America:													
Assets, admitted, 36 companies, total‡ mil. of dol.	38,459	38,813	39,032	39,206	39,450	39,606	39,776	40,057	40,287	40,446	40,693	40,903	41,069
Mortgage loans, total.....do	5,365	5,437	5,480	5,542	5,601	5,661	5,750	5,837	5,953	6,041	6,131	6,242	6,340
Farm.....do	592	593	592	595	593	605	615	624	632	639	641	645	649
Other.....do	4,773	4,844	4,888	4,947	5,008	5,056	5,135	5,213	5,321	5,402	5,490	5,597	5,691
Real-estate holdings.....do	590	584	601	601	597	605	614	622	631	639	641	658	665
Policy loans and premium notes.....do	1,472	1,471	1,470	1,469	1,471	1,473	1,477	1,481	1,485	1,490	1,494	1,498	1,500
Bonds and stocks held (book value), total.....do	29,678	30,043	30,177	30,329	30,102	30,431	30,579	30,740	30,936	30,940	30,893	31,093	31,209
Govt. (domestic and foreign), total.....do	19,558	19,574	19,542	19,571	19,274	19,296	19,274	19,093	18,986	18,864	18,640	18,623	18,451
U. S. Government.....do	18,231	18,225	18,192	18,198	17,880	17,904	17,888	17,704	17,603	17,478	17,255	17,241	17,059
Public utility.....do	4,502	4,531	4,551	4,567	4,568	4,691	4,751	4,965	5,111	5,169	5,303	5,446	5,609
Railroad.....do	2,517	2,490	2,498	2,497	2,496	2,489	2,491	2,522	2,512	2,500	2,504	2,499	2,499
Other.....do	3,101	3,448	3,586	3,694	3,764	3,955	4,063	4,160	4,327	4,407	4,446	4,525	4,650
Cash.....do	581	473	532	470	878	649	568	588	525	546	703	582	543
Other admitted assets.....do	773	805	772	795	801	787	788	789	757	790	831	830	812
Premium collections total‡ thous. of dol.	348,274	491,797	414,523	383,857	411,308	351,978	381,212	400,697	385,075	354,410	390,183	374,084	-----
Annuities.....do	39,224	94,380	73,068	47,977	49,226	41,184	39,255	46,305	63,021	41,310	47,410	48,640	-----
Group.....do	22,572	32,320	37,833	25,975	24,554	30,216	27,162	24,301	32,100	27,147	27,720	30,961	-----
Industrial.....do	61,902	92,701	69,466	68,491	74,642	63,629	65,497	74,416	65,185	62,122	75,045	64,050	-----
Ordinary.....do	224,576	272,396	234,156	241,414	262,286	216,949	249,298	255,675	224,769	223,831	240,008	230,424	-----
Life Insurance Agency Management Association:													
Insurance written (new paid-for-insurance)‡ mil. of dol.	1,648	1,963	1,742	1,718	1,846	1,796	1,829	1,830	1,857	1,616	1,583	1,857	1,797
Group.....do	162	476	184	182	181	167	227	291	328	186	212	201	203
Industrial.....do	343	290	329	350	382	360	373	350	318	326	324	366	336
Ordinary, total.....do	1,143	1,197	1,229	1,187	1,283	1,269	1,230	1,189	1,211	1,104	1,048	1,290	1,258
New England.....do	76	77	94	88	88	90	84	79	78	73	68	90	85
Middle Atlantic.....do	284	274	326	301	314	313	302	285	294	257	231	321	323
East North Central.....do	253	263	278	264	280	275	267	259	267	241	231	290	284
West North Central.....do	109	121	117	114	124	125	120	119	120	110	107	127	124
South Atlantic.....do	126	133	121	126	137	139	132	132	132	122	124	140	134
East South Central.....do	44	46	42	44	50	48	48	47	46	45	43	48	47
West South Central.....do	89	96	88	88	103	100	97	96	102	93	93	95	93
Mountain.....do	38	44	36	38	42	42	42	40	40	38	36	42	39
Pacific.....do	124	142	126	125	146	138	139	132	132	125	114	138	129
Institute of Life Insurance*:													
Payments to policyholders and beneficiaries, total.....thous. of dol.	213,743	258,173	266,447	238,744	266,482	250,576	245,999	251,165	247,203	218,389	236,414	247,149	-----
Death claim payments.....do	99,258	108,249	116,105	107,841	120,772	112,363	111,679	108,444	115,958	101,415	108,179	112,523	-----
Matured endowments.....do	31,022	32,312	39,995	36,123	38,298	38,468	34,595	34,270	30,997	28,367	30,167	36,261	-----
Disability payments.....do	6,999	7,888	8,747	7,393	7,907	7,583	7,693	7,753	8,509	6,358	7,269	7,609	-----
Annuity payments.....do	16,466	15,550	22,581	17,911	17,213	18,482	18,315	18,868	19,098	17,578	17,795	18,024	-----
Dividends.....do	35,226	63,581	50,818	41,377	51,324	41,898	41,269	49,237	40,119	35,214	42,364	38,527	-----
Surrender values, premium notes, etc.....do	24,772	30,593	28,201	28,099	30,968	31,782	32,448	32,593	32,522	29,457	30,640	34,205	-----
MONETARY STATISTICS													
Foreign exchange rates:													
Argentina.....dol. per paper peso	.2977	.2977	.2977	.2977	.2977	.2977	.2977	.2977	.2977	.2977	.2977	.2977	.2977
Belgium.....dol. per franc	.0228	.0228	.0228	.0228	.0228	.0228	.0228	.0228	.0228	.0228	.0228	.0228	.0228
Brazil, free rate §.....dol. per cruzeiro	.0541	.0541	.0544	.0544	.0544	.0544	.0544	.0544	.0544	.0544	.0544	.0544	.0544
Canada, free rate §.....dol. per Canadian dol.	.9518	.9544	.9508	.9569	.9422	.9190	.9195	.9159	.9165	.9200	.9036	.8990	.8959
Colombia.....dol. per peso	.5706	.5714	.5714	.5704	.5698	.5698	.5698	.5698	.5698	.5698	.5698	.5698	.5698
France.....dol. per franc	.0084	.0084	.0084	.0084	.0084	.0084	.0084	.0084	.0084	.0084	.0084	.0084	.0084
India.....dol. per rupee	.3015	.3015	.3016	.3015	.3015	.3016	.3016	.3016	.3017	.3017	.3017	.3017	.3018
Mexico.....dol. per peso	.2058	.2058	.2058	.2057	.2057	.2058	.2058	.2058	.2058	.2058	.2058	.2058	.2058
Netherlands.....dol. per guilder	.3779	.3779	.3779	.3779	.3779	.3776	.3776	.3776	.3776	.3775	.3775	.3776	.3777
Sweden.....dol. per krona	.2782	.2782	.2782	.2782	.2782	.2782	.2782	.2782	.2783	.2783	.2783	.2782	.2783
United Kingdom, free rate.....dol. per £	4.0309	4.0294	4.0293	4.0274	4.0273	4.0274	4.0274	4.0272	4.0271	4.0273	4.0300	4.0310	4.0305
Gold and silver:													
Gold:													
Monetary stock, U. S.....mil. of dol.	20,470	20,529	20,748	20,330	20,463	20,774	20,933	21,266	21,537	21,766	21,955	22,294	22,615
Net release from earmark*.....thous. of dol.	127,485	82,830	196,080	-684,474	203,540	271,990	13,057	118,958	26,745	42,317	153,112	-3,968	-82,786
Gold exports†.....do	733	115,915	102,593	49,215	17,691	17,458	3,028	2,685	3,639	5,118	2,085	5,619	1,600
Gold imports‡.....do	78,636	54,722	85,774	69,577	171,325	61,508	132,762	202,917	222,839	116,776	111,685	456,450	267,301
Production, reported monthly, total§.....do	54,948	56,501	58,127	41,044	51,824	55,412	59,738	57,215	61,314	38,271	-----	-----	-----
Africa.....do	37,170	37,589	37,330	23,217	32,094	35,251	38,736	37,162	38,805	-----	-----	-----	-----
Canada §.....do	8,092	7,961	8,195	7,806	9,235	8,921	9,412	9,418	9,149	9,131	-----	-----	-----
United States §.....do	4,424	5,779	6,612	5,483	5,500	6,246	7,220	6,117	7,319	7,033	6,979	8,185	-----
Silver:													
Exports¶.....thous. of dol.	858	6,579	2,945	12,700	3,523	1,865	1,387	1,685	1,636	630	374	2,509	1,042
Imports¶.....do	11,595	7,861	13,295	4,589	5,332	7,220	4,488	4,408	3,410	4,659	4,440	6,087	6,917
Price at New York.....dol. per fine oz.	.901	.867	.765	.723	.773	.757	.725	.668	.636	.657	.706	.716	.746
Production:													
Canada.....thous. of fine oz.	842	1,013	767	893	1,044	854	929	1,085	1,029	1,062	-----	-----	-----
United States.....do	2,561	2,928	2,464	3,713	3,250	2,730	3,896	2,746	1,924	2,594	2,180	-----	-----

* Revised. † Preliminary.

‡ See note on item in September 1947 Survey for coverage of data and information on a substitution for one company in the assets series in 1944.

§ See note on item in September 1947 Survey regarding official rate.

¶ Or increase in earmarked gold (-).

⊙ See notes in the April 1946 and August 1946 issues regarding revisions in the data for 1941-44 and January-May 1945. The monthly estimates for 1946 have been revised by subtracting from each monthly figure \$476,000 so that the aggregate for the year is equal to the annual estimate compiled by the United States mint; this amount should therefore be deducted from the figures for January-October 1946 published in the December 1947 and earlier issues of the Survey for comparison with the revised figures for November and December 1946 shown above.

† Publication of data was suspended during the war period; data for November 1941-February 1945 will be published later.

‡ Revised series. All series for insurance written are estimated industry totals and for group and industrial insurance are not comparable with data published prior to the March 1946 Survey (see note in that issue); data for 1940-44 for these series will be shown later; data for ordinary insurance continue the data from the Life Insurance Sales Research Bureau published in the 1942 Supplement and subsequent monthly issues. See note in November 1943 Survey for explanation of revision in classifications for the Reconstruction Finance Corporation.

§ New series. See November 1942 Survey, p. S-16, for a brief description of the series on payments to policy holders and beneficiaries and data for September-December 1941 and early 1942.

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947									
	November	December	January	February	March	April	May	June	July	August	September	October	November

FINANCE—Continued

MONETARY STATISTICS—Continued													
Money supply:													
Currency in circulation..... mil. of dol.	28,861	28,952	28,262	28,304	28,230	28,114	28,261	28,297	28,149	28,434	28,567	28,552	28,765
Deposits adjusted, all banks, and currency outside banks, total*..... mil. of dol.	169,000	167,107	165,900	165,100	165,000	165,100	165,000	165,455	166,300	167,100	168,500	169,700	-----
Deposits, adjusted, total, including U. S. deposits*..... mil. of dol.	142,300	140,377	139,800	138,900	138,900	139,000	138,900	139,156	140,300	140,900	142,100	143,400	-----
Demand deposits, adjusted, excl. U. S.* do.	83,000	83,314	82,500	80,600	80,400	81,300	81,500	82,276	83,300	83,500	84,300	85,500	-----
Time deposits, incl. postal savings* do.	53,400	53,960	54,200	54,600	54,800	55,000	55,200	55,613	55,600	55,700	55,900	56,100	-----
Turnover of demand deposits, except interbank and U. S. Government, annual rate*:													
New York City..... ratio of debits to deposits	23.8	28.7	23.8	24.0	24.9	21.5	22.7	25.6	22.9	20.6	23.1	23.9	26.5
Other leading cities..... do.	17.8	19.2	17.4	18.1	18.6	17.0	17.3	17.9	17.2	16.6	18.0	18.2	19.8
PROFITS AND DIVIDENDS (QUARTERLY)													
Industrial corporations (Federal Reserve):													
Net profits, total (629 cos.) ^a mil. of dol.	853	-----	870	-----	870	-----	870	-----	860	-----	860	-----	-----
Iron and steel (47 cos.)..... do.	97	-----	126	-----	126	-----	126	-----	98	-----	98	-----	-----
Machinery (69 cos.)..... do.	61	-----	69	-----	69	-----	69	-----	77	-----	77	-----	-----
Automobiles (15 cos.)..... do.	102	-----	94	-----	94	-----	94	-----	102	-----	102	-----	-----
Other transportation equip. (68 cos.)..... do.	144	-----	150	-----	150	-----	150	-----	151	-----	151	-----	-----
Nonferrous metals and prod. (77 cos.)..... do.	50	-----	47	-----	47	-----	47	-----	46	-----	46	-----	-----
Other durable goods (75 cos.)..... do.	57	-----	50	-----	50	-----	50	-----	58	-----	58	-----	-----
Foods, beverages and tobacco (49 cos.)..... do.	124	-----	98	-----	98	-----	98	-----	69	-----	69	-----	-----
Oil producing and refining (45 cos.)..... do.	85	-----	90	-----	90	-----	90	-----	111	-----	111	-----	-----
Industrial chemicals (30 cos.)..... do.	77	-----	89	-----	89	-----	89	-----	87	-----	87	-----	-----
Other nondurable goods (80 cos.)..... do.	91	-----	96	-----	96	-----	96	-----	92	-----	92	-----	-----
Miscellaneous services (74 cos.)..... do.	66	-----	63	-----	63	-----	63	-----	71	-----	71	-----	-----
Profits and dividends (152 cos.) ^b do.	415	-----	426	-----	426	-----	426	-----	436	-----	436	-----	-----
Net profits..... do.	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Dividends..... do.	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Preferred..... do.	21	-----	20	-----	20	-----	20	-----	22	-----	22	-----	-----
Common..... do.	209	-----	177	-----	177	-----	177	-----	190	-----	190	-----	-----
Electric utilities, net income (Fed. Res.) ^c do.	156	-----	191	-----	191	-----	191	-----	166	-----	166	-----	-----
Railways and Telephone cos. (see pp. S-22 and S-23).	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SECURITIES ISSUED													
Commercial and Financial Chronicle:													
Securities issued, by type of security, total (new capital and refunding) †..... mil. of dol.	761	1,012	623	438	855	884	700	1,033	1,044	533	783	813	705
New capital, total..... do.	659	788	488	259	635	783	349	744	870	342	619	712	571
Domestic, total..... do.	659	788	487	249	614	773	329	744	619	317	619	712	571
Corporate..... do.	590	669	252	118	310	376	211	517	483	123	256	598	470
Federal agencies..... do.	0	0	21	34	12	0	15	15	12	8	85	0	0
Municipal, State, etc..... do.	69	119	215	96	293	397	103	212	124	185	277	114	101
Foreign..... do.	0	0	1	10	21	10	20	0	1	25	0	0	0
Refunding, total..... do.	102	223	135	179	220	101	352	290	175	191	165	101	134
Domestic, total..... do.	102	190	135	56	191	96	352	252	170	191	165	101	134
Corporate..... do.	86	105	103	31	140	73	317	211	118	147	122	76	84
Federal agencies..... do.	13	34	22	24	50	20	33	38	40	40	42	20	48
Municipal, State, etc..... do.	2	50	11	1	2	3	1	2	11	3	5	5	2
Foreign..... do.	0	34	0	123	29	5	0	38	5	0	(e)	0	0
Securities and Exchange Commission:†													
Estimated gross proceeds, total..... do.	1,312	2,044	1,717	1,406	1,686	1,611	1,225	2,041	1,777	1,050	1,357	2,414	1,253
By types of security:													
Bonds, notes, and debentures, total..... do.	1,139	1,881	1,645	1,289	1,618	1,454	1,088	1,900	1,589	1,026	1,261	2,207	1,104
Corporate..... do.	449	742	249	149	382	292	309	596	412	223	346	414	412
Preferred stock..... do.	125	142	15	49	39	75	112	112	110	15	67	57	31
Common stock..... do.	47	20	57	67	28	82	26	30	79	10	29	150	118
By types of issuers:													
Corporate, total..... do.	621	905	322	265	450	449	446	738	601	248	441	622	561
Industrial..... do.	536	276	233	122	94	334	170	145	246	81	73	262	218
Public utility..... do.	55	515	45	68	336	94	229	542	311	141	310	308	284
Rail..... do.	19	47	33	8	12	17	37	29	28	23	5	35	37
Other (real estate and financial)..... do.	11	67	11	66	9	4	10	22	14	3	53	17	22
Non-corporate, total..... do.	691	1,139	1,396	1,141	1,236	1,162	779	1,304	1,177	802	915	1,702	692
U. S. Government..... do.	619	936	1,170	921	891	746	653	1,051	790	614	637	1,673	589
Federal agency not guaranteed..... do.	0	0	0	0	0	0	0	0	0	0	0	0	0
State and municipal..... do.	71	170	226	97	344	400	106	214	136	188	278	118	103
Foreign..... do.	0	33	0	122	0	15	20	37	0	0	0	0	0
New corporate security issues:													
Estimated net proceeds, total..... do.	610	894	316	260	442	441	437	727	588	245	434	612	547
Proposed uses of proceeds:													
New money, total..... do.	510	711	183	205	285	254	180	498	435	118	244	510	425
Plant and equipment..... do.	326	572	138	105	153	101	109	426	370	99	179	388	354
Working capital..... do.	184	139	45	101	132	153	71	72	64	19	65	122	71
Retirement of debt and stock..... do.	86	171	131	49	152	183	251	222	129	121	163	78	103
Funded debt..... do.	72	119	81	18	110	80	198	164	103	102	154	15	74
Other debt..... do.	8	35	11	15	31	98	19	15	17	16	9	45	22
Preferred stock..... do.	7	17	38	16	11	5	34	43	9	3	1	18	7
Other purposes..... do.	13	12	2	5	5	3	7	6	24	6	26	24	18
Proposed uses by major groups:													
Industrial, total net proceeds..... do.	528	270	229	119	90	328	165	141	239	79	71	259	213
New money..... do.	465	206	136	94	52	204	129	96	175	65	45	193	129
Retirement of debt and stock..... do.	55	52	92	22	34	122	31	41	56	13	21	65	71
Public utility, total net proceeds..... do.	53	510	43	67	332	93	225	536	307	140	306	303	277
New money..... do.	21	417	14	47	223	30	31	353	234	28	157	280	245
Retirement of debt and stock..... do.	29	93	29	20	108	61	192	181	72	107	136	8	31
Railroad, total net proceeds..... do.	18	47	33	8	12	17	37	28	28	23	5	35	37
New money..... do.	18	35	28	7	9	17	15	28	22	23	4	31	37
Retirement of debt and stock..... do.	0	12	5	2	2	0	22	0	0	0	1	4	0
Real estate and financial, total net proceeds..... mil. of dol.	11	66	11	66	9	3	10	21	14	2	51	16	21
New money..... do.	5	53	5	58	1	3	5	21	3	2	38	7	15
Retirement of debt and stock..... do.	2	14	5	6	8	(a)	5	(a)	1	1	4	(a)	1

* Revised. † Preliminary. ‡ Partly estimated. § Includes \$250,000,000 bonds of International Bank. (e) Less than \$500,000.
 a See p. 31 of the October 1946 Survey for revised 1941-44 data for 629 companies and the industrial groups. † See note in the April 1946 Survey for revisions in the data for 1944.
 ‡ Includes data for nonprofit agencies not shown separately. The July figure includes also \$250,000,000 bonds of International Bank.
 § New series. For data for 1929-40 for profits and dividends of 152 companies, see p. 21 of the April 1942 Survey; 1941-44 revisions are available upon request. See note on p. S-17 of September 1944 Survey for description of series on net income of electric utilities and data beginning third quarter of 1943. For a brief description of the series on bank deposits and currency outside banks and data beginning June 1943, see p. S-16 of the August 1944 Survey; beginning January 1947 data are for the last Wednesday of the month instead of the end of the month. † Data beginning 1939 for turnover rate of bank deposits and a description of the data will be published later.
 ‡ Revised series. There have been unpublished revisions in the 1941-44 data for security issues compiled by the Securities and Exchange Commission, as indicated from time to time in notes in the Survey, revisions in the 1945 data as shown in the September 1946 and earlier issues, and in the 1946 data shown in the November 1947 and earlier issues; all revisions will be published later.

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947									
	November	December	January	February	March	April	May	June	July	August	September	October	November

FINANCE—Continued

SECURITIES ISSUED—Continued													
State and municipal issues (Bond Buyer):													
Permanent (long term).....thous. of dol.	78,194	175,449	228,929	100,184	353,502	405,776	108,502	214,749	144,801	194,220	275,006	116,380	
Temporary (short term).....do.	47,388	10,685	77,979	81,067	146,137	71,803	29,927	49,717	136,364	30,715	77,112	85,242	
COMMODITY MARKETS													
Volume of trading in grain futures:†													
Wheat.....mil. of bu.	76	106	139	388	510	314	328	358	601	503	847	651	373
Corn.....do.	183	190	172	194	360	283	369	531	509	482	393	241	227
SECURITY MARKETS													
Brokers' Balances (N. Y. S. E. Members Carrying Margin Accounts)†													
Customers' debit balances (net).....mil. of dol.	571	537	533	573	576	553	530	552	564	550	570	606	593
Cash on hand and in banks.....do.		453						395					
Money borrowed.....do.	238	217	210	217	216	205	201	222	251	241	280	287	247
Customers' free credit balances.....do.	723	693	687	681	677	665	652	650	677	656	630	616	117
Bonds													
Prices:													
Average price of all listed bonds (N. Y. S. E.)													
Domestic.....dollars	102.00	102.64	102.89	102.86	102.95	102.63	102.49	102.25	102.33	102.62	102.06	101.19	100.46
Foreign.....do.	102.41	103.07	103.30	103.27	103.36	103.06	102.92	102.70	102.77	103.09	102.54	101.65	100.93
Standard and Poor's Corporation:													
Industrials, utilities, and railroads:													
High grade (15 bonds).....dol. per \$100 bond	121.6	121.5	122.6	122.7	122.4	122.8	122.9	122.8	122.5	122.3	121.5	120.0	118.8
Medium and lower grade:													
Composite (50 bonds).....do.	115.9	115.9	116.3	116.8	116.6	116.5	115.0	114.3	115.7	116.1	115.1	114.0	113.3
Industrials (10 bonds).....do.	122.5	123.0	123.5	123.7	123.7	123.5	123.2	122.6	122.8	123.0	121.9	120.8	120.0
Public utilities (20 bonds).....do.	112.6	111.9	111.2	112.4	112.5	112.7	112.5	113.0	113.8	113.9	114.1	114.3	114.7
Railroads (20 bonds).....do.	112.7	112.9	114.3	114.3	113.6	113.2	109.2	107.3	110.5	110.4	109.3	106.9	105.1
Defaulted (15 bonds).....do.	63.6	67.7	68.3	69.3	66.1	64.0	61.9	63.4	69.6	68.6	68.6	69.4	68.1
Domestic municipals (15 bonds)†.....do.	136.8	133.4	134.4	133.1	132.5	133.2	133.9	134.4	134.7	134.3	134.4	132.5	129.4
U. S. Treasury bonds (taxable)†.....do.	103.7	103.9	104.3	104.4	104.6	104.6	104.5	104.1	103.8	103.9	104.0	103.4	102.1
Sales (Securities and Exchange Commission):													
Total on all registered exchanges:													
Market value\$.....thous. of dol.	66,551	121,416	100,265	73,249	67,522	68,974	71,024	67,490	85,253	64,886	60,326	85,862	
Face value\$.....do.	97,458	161,049	136,235	100,247	89,587	94,673	98,349	88,531	109,385	81,063	80,312	121,655	
On New York Stock Exchange:													
Market value\$.....do.	62,101	116,541	95,470	68,979	63,187	64,393	63,880	58,248	76,972	56,618	51,284	78,192	
Face value\$.....do.	91,836	154,937	130,028	95,349	81,491	88,961	90,458	78,115	99,723	70,705	69,316	112,210	
Exclusive of stopped sales (N. Y. S. E.), face value, total.....thous. of dol.	95,127	127,553	125,491	79,987	75,582	81,601	82,526	70,077	96,661	60,490	73,440	105,990	81,823
U. S. Government.....do.	225	265	126	98	35	828	140	386	1,152	14	73	219	39
Other than U. S. Government, total.....do.	94,902	127,288	125,365	79,889	75,547	80,773	82,386	69,691	95,509	59,476	73,367	105,771	81,784
Domestic.....do.	89,201	120,544	118,519	74,536	68,860	74,885	75,863	63,590	76,937	52,388	63,940	95,246	73,830
Foreign.....do.	5,701	6,744	6,846	5,359	6,687	5,888	6,523	6,101	5,101	5,216	7,344	9,265	6,431
Value, issues listed on N. Y. S. E.:													
Face value, all issues.....mil. of dol.	136,787	137,165	137,066	137,106	136,937	137,019	137,019	137,058	137,628	137,628	137,666	136,711	136,879
Domestic.....do.	134,584	134,995	134,859	134,956	134,806	135,044	134,856	134,932	135,175	135,210	135,281	134,346	134,556
Foreign.....do.	2,203	2,170	2,148	2,150	2,132	2,174	2,163	2,126	2,158	2,168	2,135	2,115	2,073
Market value, all issues.....do.	139,521	140,793	140,966	141,033	140,978	140,833	140,426	140,148	141,763	141,936	140,499	138,336	137,509
Domestic.....do.	137,827	139,139	139,310	139,373	139,336	139,172	138,797	138,574	138,923	139,394	138,715	136,568	135,804
Foreign.....do.	1,694	1,653	1,656	1,660	1,641	1,662	1,629	1,574	1,840	1,589	1,533	1,521	1,402
Yields:													
Domestic corporate (Moody's).....percent.	2.82	2.83	2.79	2.78	2.79	2.78	2.79	2.81	2.80	2.80	2.85	2.95	3.02
By ratings:													
Aaa.....do.	2.59	2.61	2.57	2.55	2.55	2.53	2.53	2.55	2.55	2.56	2.61	2.70	2.77
Aa.....do.	2.69	2.69	2.65	2.64	2.64	2.63	2.63	2.64	2.64	2.64	2.69	2.79	2.85
A.....do.	2.84	2.83	2.79	2.79	2.80	2.81	2.82	2.83	2.82	2.81	2.86	2.95	3.01
Baa.....do.	3.17	3.17	3.13	3.12	3.15	3.16	3.17	3.21	3.18	3.17	3.23	3.35	3.44
By groups:													
Industrials.....do.	2.66	2.66	2.63	2.61	2.61	2.60	2.60	2.60	2.62	2.63	2.67	2.76	2.84
Public utilities.....do.	2.77	2.77	2.73	2.72	2.73	2.71	2.71	2.72	2.72	2.72	2.78	2.87	2.93
Railroads.....do.	3.05	3.04	3.00	3.00	3.02	3.03	3.05	3.10	3.06	3.03	3.09	3.22	3.30
Domestic municipals:													
Bond Buyer (20 cities).....do.	1.78	1.85	1.81	1.97	1.90	1.89	1.83	1.81	1.81	1.83	1.82	1.97	2.36
Standard and Poor's Corp. (15 bonds).....do.	1.80	1.97	1.92	1.99	2.02	1.98	1.95	1.92	1.91	1.93	1.93	2.02	
U. S. Treasury bonds, taxable†.....do.	2.25	2.24	2.21	2.21	2.19	2.19	2.22	2.22	2.25	2.24	2.24	2.27	2.18
Stocks													
Dividends:													
Cash dividend payments and rates, 600 cos., Moody's:													
Total annual payments at current rates.....mil. of dol.	2,066	2,111	2,129	2,196	2,196	2,224	2,310	2,310	2,329	2,348	2,358	2,387	2,463
Number of shares, adjusted.....millions.	954.65	954.65	954.65	954.65	954.65	954.65	954.65	954.65	954.65	954.65	954.65	954.65	954.65
Dividend rate per share (weighted average).....dollars	2.16	2.21	2.23	2.30	2.30	2.33	2.42	2.42	2.44	2.46	2.47	2.50	2.58
Banks (21 cos.).....do.	3.20	3.20	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21
Industrials (492 cos.).....do.	2.12	2.19	2.22	2.32	2.35	2.40	2.50	2.51	2.52	2.55	2.56	2.62	2.72
Insurance (21 cos.).....do.	2.59	2.59	2.59	2.59	2.59	2.59	2.59	2.59	2.59	2.59	2.59	2.59	2.59
Public utilities (36 cos.).....do.	1.90	1.90	1.92	1.95	1.95	1.96	1.96	1.98	1.99	1.99	1.99	1.99	1.99
Railroads (36 cos.).....do.	2.76	2.77	2.75	2.75	2.66	2.66	2.66	2.66	2.67	2.68	2.68	2.63	2.57
Cash dividend payments publicly reported:*													
Total dividend payments.....mil. of dol.	160.5	963.1	434.5	190.5	492.5	388.9	159.2	609.4	444.9	179.4	559.3	422.0	167.3
Manufacturing.....do.	86.8	561.1	160.9	89.1	308.5	162.7	85.9	339.7	191.7	96.4	349.0	195.0	95.9
Mining.....do.	4.2	74.1	2.9	1.2	25.4	5.9	1.3	68.4	12.4	1.5	58.0	6.4	1.3
Trade.....do.	9.9	90.2	56.0	9.6	45.3	35.1	9.6	39.5	29.4	9.3	42.2	37.0	8.6
Finance.....do.	24.0	98.1	92.4	29.5	25.8	55.9	18.2	48.8	90.6	31.7	29.8	60.2	20.6
Railroads.....do.	2.0	44.4	19.4	8.0	22.7	21.6	5.4	34.2	11.2	5.9	17.1	13.5	3.8
Heat, light, and power.....do.	31.2	46.1	48.2	51.0	36.3	47.5	35.9	51.2	46.2	31.0	34.7	48.8	34.7
Communications.....do.	.3	14.3	50.1	.3	9.9	49.6	.3	9.4	50.0	.3	9.8	49.2	.3
Miscellaneous.....do.	2.1	34.8	10.6	1.8	18.6	10.6	2.6	18.2	13.4	3.3	18.7	11.9	2.1

* Revised. †Data continue series in the 1942 Supplement. ‡ Prices of bonds of the International Bank are included in computing the averages.
 † Includes sales of bonds of International Banks as follows: July, \$13,471,000; August, \$2,672,000; September, \$2,074,000; October, \$1,260,000.; November \$1523,000.
 ‡ Includes bonds of International Bank as follows: Face value—July to November; \$250,000,000; market value—July, \$255,000,000; August, \$253,000,000; September, \$251,000,000; October, \$248,000,000; November \$244,000,000.
 § Since March 18, 1944, United States Government bonds have not been included. ¶ See note in September 1947 Survey for source of data.
 * New series. Data for dividend payments for 1941-44 are available on p. 20 of the February 1944 Survey and p. 31 of the February 1947 issue.
 † Revised series. For explanation of revision in the series for municipal bonds and data beginning February 1942, see p. S-19 of the April 1943 Survey; earlier data will be published later.
 Revised figures through 1943 for prices and yields of U. S. Treasury bonds and a description of the data are on p. 20 of the September 1944 Survey.

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947										
	November	December	January	February	March	April	May	June	July	August	September	October	November
FINANCE—Continued													
SECURITY MARKETS—Continued													
Stocks—Continued													
Dividends—Continued													
Dividend yields:													
Common stocks (200), Moody's.....percent..	4.6	4.5	4.5	4.7	4.8	5.1	5.3	5.1	4.9	5.1	5.2	5.1	5.4
Banks (15 stocks).....do.....	4.0	3.9	4.2	4.2	4.4	4.6	4.6	4.4	4.4	4.4	4.5	4.5	4.7
Industrials (125 stocks).....do.....	4.4	4.4	4.4	4.6	4.7	5.0	5.3	5.0	4.8	5.0	5.1	5.1	5.4
Insurance (10 stocks).....do.....	3.6	3.5	3.3	3.3	3.4	3.6	3.7	3.5	3.5	3.6	3.6	3.5	3.5
Public utilities (25 stocks).....do.....	4.8	4.6	4.6	4.7	4.9	4.9	5.0	5.1	5.1	5.0	5.1	5.2	5.5
Railroads (25 stocks).....do.....	6.9	6.6	6.6	6.8	6.8	7.3	7.5	7.3	6.7	7.0	7.1	7.0	7.2
Preferred stocks, high-grade (15 stocks), Standard and Poor's Corporation.....percent..	3.70	3.76	3.74	3.71	3.72	3.75	3.76	3.76	3.72	3.71	3.72	3.86	4.01
Prices:													
Average price of all listed shares (N. Y. S. E.)													
Dec. 31, 1924=100.....	78.5	81.6	82.4	81.1	79.4	75.7	74.4	77.3	80.3	78.3	77.5	78.7	75.8
Dow-Jones & Co. (65 stocks).....dol. per share..	61.77	63.97	63.78	65.83	63.64	61.04	59.49	61.26	65.32	64.36	63.39	63.93	63.98
Industrials (30 stocks).....do.....	168.94	174.38	176.10	181.54	176.66	171.28	168.67	173.76	183.51	180.08	176.82	181.92	181.42
Public utilities (15 stocks).....do.....	35.23	51.18	36.55	37.17	36.02	34.52	33.39	33.98	35.61	35.58	35.25	35.48	34.10
Railroads (20 stocks).....do.....	49.24	36.77	49.56	51.74	49.15	45.88	43.60	44.86	49.39	48.73	48.10	49.44	47.79
Standard and Poor's Corporation:													
Industrials, utilities, and railroads:													
Combined index (402 stocks).....1935-39=100..	120.6	125.5	125.2	128.7	123.7	119.3	115.2	119.1	126.0	124.5	123.1	125.1	123.6
Industrials (354 stocks).....do.....	123.8	128.9	128.5	132.6	127.7	123.1	119.0	124.1	131.7	130.2	128.4	131.1	130.3
Capital goods (116 stocks).....do.....	111.5	117.9	117.6	121.6	117.1	113.0	108.0	111.9	118.9	117.0	115.7	119.1	118.9
Consumer's goods (191 stocks).....do.....	130.0	133.5	133.8	139.7	133.5	126.7	121.4	126.4	134.6	132.4	130.5	132.8	131.1
Public utilities (28 stocks).....do.....	105.5	109.8	110.7	111.4	107.3	104.6	102.0	100.8	102.2	101.4	102.0	101.0	97.2
Railroads (20 stocks).....do.....	113.3	118.8	114.7	118.8	109.9	102.2	95.1	97.6	108.2	105.2	103.6	104.2	100.1
Banks, N. Y. C. (19 stocks).....do.....	108.5	108.7	106.2	103.9	101.2	94.7	95.0	94.7	97.3	98.0	97.5	96.7	94.8
Fire and marine insurance (18 stocks).....do.....	115.8	117.6	122.3	125.8	122.4	118.8	114.0	117.0	120.5	116.1	114.0	116.4	117.3
Sales (Securities and Exchange Commission):													
Total on all registered exchanges:													
Market value.....mil. of dol..	1,118	1,273	1,100	1,144	928	980	884	804	1,051	728	722	1,230	-----
Shares sold.....thousands.....	51,669	56,527	47,312	53,518	37,227	45,116	40,181	35,349	45,536	29,662	31,651	55,736	-----
On New York Stock Exchange:													
Market value.....mil. of dol..	951	1,074	918	944	770	826	739	668	890	624	611	1,043	-----
Shares sold.....thousands.....	36,955	39,723	32,628	34,109	25,302	32,338	27,854	23,643	32,951	21,600	21,556	40,620	-----
Exclusive of odd lot and stopped sales (N. Y. Times).....thousands.....	23,819	29,834	23,557	23,758	19,337	20,620	20,616	17,483	25,473	14,153	16,017	28,635	16,371
Shares listed, N. Y. S. E.:													
Market value, all listed shares.....mil. of dol..	65,741	68,595	69,627	68,839	67,608	64,520	63,646	66,548	69,365	68,184	67,522	68,884	67,026
Number of shares listed.....millions.....	1,764	1,771	1,779	1,786	1,792	1,794	1,814	1,829	1,847	1,862	1,870	1,879	1,896

FOREIGN TRADE

INDEXES													
Exports of U. S. merchandise:													
Quantity.....1923-25=100.....	226	249	245	250	286	274	296	258	238	231	225	248	-----
Value.....do.....	260	291	294	304	350	344	378	330	306	304	293	325	302
Unit value.....do.....	115	117	120	121	123	126	128	128	129	132	130	131	-----
Imports for consumption:													
Quantity.....do.....	141	145	155	119	116	123	121	124	118	108	127	136	-----
Value.....do.....	146	154	167	133	136	151	142	147	139	127	151	158	141
Unit value.....do.....	104	106	109	113	117	124	119	119	118	118	119	117	-----
Agricultural products, quantity:§													
Exports, domestic, total:													
Unadjusted.....1924-29=100.....	102	108	94	109	111	93	95	89	67	63	75	84	-----
Adjusted.....do.....	76	90	92	128	128	115	117	121	91	63	64	64	-----
Total, excluding cotton:													
Unadjusted.....do.....	136	160	142	158	162	141	150	132	119	121	128	142	-----
Adjusted.....do.....	113	142	144	190	189	168	171	159	150	119	109	112	-----
Imports for consumption:													
Unadjusted.....do.....	108	109	141	100	94	104	102	93	84	74	93	101	-----
Adjusted.....do.....	117	112	132	96	81	96	105	100	93	80	98	102	-----
SHIPPING WEIGHT*													
Exports, including reexports.....mil. of lb..	14,882	12,579	13,389	14,637	16,954	19,628	26,509	24,938	22,745	27,418	23,691	-----	-----
General imports.....do.....	8,523	8,135	9,623	8,201	9,199	9,684	10,317	10,103	11,264	10,530	9,724	-----	-----
VALUE§													
Exports, total, including reexports.....mil. of dol..	7986	1,097	1,114	1,150	1,327	1,209	1,422	1,242	1,162	1,162	1,109	1,235	1,138
Lend-lease*.....do.....	9	7	8	3	2	2	4	(a)	1	(a)	1	(a)	(a)
By geographic regions:													
Africa.....thous. of dol..	53,070	46,463	56,357	52,512	73,792	68,709	86,806	74,829	65,751	70,434	65,763	76,702	-----
Asia and Oceania.....do.....	122,071	208,207	160,783	177,270	213,638	177,172	220,012	224,059	195,765	164,543	160,258	181,713	-----
Europe.....do.....	388,288	362,113	435,224	454,447	484,084	496,079	516,911	431,090	405,585	409,976	394,313	404,580	-----
Northern North America.....do.....	157,825	156,202	149,049	150,313	185,116	188,353	210,276	191,551	170,456	174,909	176,795	202,776	-----
Southern North America.....do.....	120,557	143,415	142,223	140,675	144,662	152,356	148,641	126,988	130,155	126,057	126,648	164,096	-----
South America.....do.....	144,489	180,777	170,140	174,836	226,401	215,955	239,160	193,251	187,557	197,148	176,736	195,824	-----
Total exports by leading countries:													
Europe:													
France.....do.....	67,492	54,669	70,761	76,463	73,081	76,432	88,123	75,102	65,096	56,841	64,545	58,248	-----
Germany.....do.....	11,689	10,943	12,615	9,595	13,704	14,900	18,343	12,249	15,614	12,936	8,371	12,003	-----
Italy.....do.....	31,056	31,846	40,507	44,445	49,189	55,352	46,830	50,529	26,420	29,921	36,043	35,758	-----
Union of Soviet Socialist Republics (Russia).....thous. of dol..	16,039	14,078	24,671	15,780	7,232	9,281	27,116	7,140	15,742	4,051	3,032	9,158	-----
United Kingdom.....do.....	102,586	74,035	111,666	102,650	116,748	93,465	94,497	99,804	95,232	95,705	89,789	94,513	-----

* Revised. (a) Less than \$500,000.

§ The publication of practically all series on foreign trade included in the 1942 Supplement but suspended during the war was resumed in May 1946 Survey. Export statistics include lend-lease exports shown separately above, shipments by UNRRA and private relief agencies, and beginning August 1947, U. S. Foreign Relief and Greek-Turkish aid; the total includes also June 1945 comparatively small shipments consigned to United States Government agencies abroad; shipments to U. S. armed forces abroad are excluded. Revised 1941 figures for total exports of U. S. merchandise and total imports are shown on p. 22 of the June 1944 Survey; revised figures for 1942-43 for the totals and revised figures for 1941 and later data through February 1945 for other series will be shown later.

* New series. The series on shipping weight, compiled by the Bureau of the Census, represent gross weight of merchandise, including weight of containers, wrappings, crates, etc.; the data were revised in the October 1947 issue to cover only water-borne trade; revised earlier data will be published later. See note in September 1947 Survey for explanation of data shown as lend-lease exports and reference to source of annual totals for lend-lease exports for 1941-45.

Unless otherwise stated statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947										
	November	December	January	February	March	April	May	June	July	August	September	October	November
FOREIGN TRADE—Continued													
VALUE\$—Continued													
Total exports by leading countries—Continued													
North and South America:													
Canada.....thous. of dol.	153,586	152,752	146,298	145,572	181,351	181,511	203,624	187,004	166,048	170,520	172,644	198,557	-----
Latin American Republics, total.....do.	252,306	306,297	292,828	287,336	351,187	350,365	369,636	305,552	302,961	309,065	288,100	342,611	-----
Argentina.....do.	29,379	37,850	31,976	36,055	66,464	49,415	71,653	57,778	53,687	74,428	64,990	59,315	-----
Brazil.....do.	47,760	51,138	52,835	56,340	65,445	61,240	68,535	50,050	50,127	45,294	40,258	52,858	-----
Chile.....do.	7,471	11,672	11,796	9,126	11,481	9,919	12,387	11,322	10,487	10,584	8,519	11,605	-----
Columbia*.....do.	14,212	21,123	21,266	15,220	19,930	21,234	23,467	17,133	17,374	14,190	12,275	17,934	-----
Cuba.....do.	36,439	38,143	39,439	36,499	37,227	47,577	42,725	41,560	32,740	33,249	35,073	48,480	-----
Mexico.....do.	50,331	57,554	51,011	50,419	62,515	56,992	56,862	46,881	51,399	44,713	42,702	52,887	-----
Venezuela*.....do.	27,321	31,250	27,676	35,861	30,623	46,138	39,095	35,430	34,947	31,364	33,872	37,555	-----
Other regions:													
Australia.....do.	6,213	9,140	16,748	8,307	19,562	14,271	24,458	20,668	26,364	23,822	19,752	21,325	-----
British Malaya.....do.	779	2,579	2,322	3,358	5,769	4,172	7,145	5,205	7,796	5,619	5,733	5,993	-----
China.....do.	35,809	54,590	35,694	39,720	37,370	26,164	41,395	55,538	39,349	19,678	12,085	11,947	-----
Egypt.....do.	3,261	2,858	3,857	3,677	4,576	5,537	6,765	6,473	5,284	5,383	6,397	3,935	-----
India and dependencies.....do.	15,428	28,435	26,583	25,943	43,448	38,598	41,160	55,815	28,166	24,536	29,100	31,732	-----
Japan.....do.	12,416	6,363	3,627	2,539	3,371	283	2,063	230	424	480	10,403	7,150	-----
Netherlands Indies.....do.	3,311	8,069	11,807	5,437	11,286	9,779	16,814	9,302	8,103	6,236	4,831	5,478	-----
Philippine Islands.....do.	25,401	58,646	30,210	52,996	42,769	32,037	33,066	29,310	30,094	32,689	35,905	41,542	-----
Union of South Africa.....do.	34,358	23,282	29,312	27,719	40,000	34,656	41,763	36,438	34,698	36,789	29,911	35,288	-----
Exports of U. S. merchandise, total.....mil. of dol.	967	1,084	1,094	1,130	1,304	1,280	1,408	1,228	1,151	1,141	1,098	1,218	1,126
By economic classes:													
Crude materials.....thous. of dol.	173,088	135,882	133,879	139,640	149,576	129,807	143,691	152,767	101,347	115,436	127,046	138,989	-----
Crude foodstuffs.....do.	51,340	68,347	62,515	65,837	81,251	81,542	80,031	56,812	61,970	66,563	67,543	65,844	-----
Manufactured foodstuffs and beverages.....do.	107,725	149,720	132,503	136,606	135,941	129,290	144,515	137,375	121,139	108,085	108,287	126,054	-----
Semimanufactures.....do.	82,976	105,381	114,370	115,595	147,032	145,828	171,024	159,436	151,277	164,223	143,703	150,628	-----
Finished manufactures.....do.	552,347	623,965	650,630	673,339	790,493	794,046	869,196	721,880	707,352	678,420	642,950	727,156	-----
By principal commodities:													
Agricultural products, total.....do.	291,925	321,002	290,351	301,046	315,837	279,720	289,178	274,080	220,501	201,407	222,322	248,593	-----
Cotton, unmanufactured.....do.	70,562	57,437	47,713	60,972	60,748	45,588	41,134	50,060	13,165	1,716	18,227	22,080	-----
Fruits, vegetables and preparations.....do.	19,428	44,184	38,026	32,658	27,332	19,086	21,457	17,610	21,576	16,312	21,565	27,226	-----
Grains and preparations.....do.	71,494	96,344	88,696	109,822	120,385	125,125	126,882	102,949	92,503	91,218	91,340	94,084	-----
Packing house products.....do.	13,377	19,272	18,535	18,124	19,692	21,206	32,807	21,716	14,715	17,620	21,749	16,503	-----
Nonagricultural products, total.....do.	675,551	762,236	803,479	829,680	988,245	1,000,688	1,119,255	954,190	923,394	931,261	867,207	960,077	-----
Automobiles, parts and accessories.....do.	75,974	70,816	72,359	74,748	95,875	104,684	114,878	90,132	89,485	101,078	90,859	98,413	-----
Chemicals and related products.....do.	44,651	57,111	52,424	53,533	67,405	67,881	78,014	67,658	69,477	68,897	60,859	67,711	-----
Copper and manufactures.....do.	4,827	6,256	6,184	4,979	6,625	5,935	7,111	8,673	7,453	11,210	10,079	11,036	-----
Iron and steel and their products.....do.	44,838	51,236	57,157	52,116	70,237	71,877	79,020	70,661	66,906	67,311	66,851	75,662	-----
Machinery.....do.	148,273	154,438	166,333	162,949	191,365	202,052	246,095	194,462	201,198	182,662	175,767	209,484	-----
Agricultural.....do.	16,294	18,600	19,344	19,148	24,649	28,818	31,068	27,615	26,163	28,474	26,234	29,358	-----
Electrical.....do.	35,490	40,605	38,119	40,979	48,628	47,437	55,656	48,184	49,474	43,421	42,784	51,624	-----
Metal working.....do.	14,574	14,542	19,867	14,031	17,808	18,457	21,129	15,365	17,900	13,769	13,333	15,760	-----
Other industrial.....do.	74,471	71,204	79,155	80,194	88,844	95,549	124,156	94,115	98,055	86,326	82,378	99,887	-----
Petroleum and products.....do.	36,101	41,513	37,218	47,898	50,192	53,928	59,942	58,725	63,846	57,257	53,418	55,569	-----
General imports, total.....mil. of dol.	482	536	533	435	444	512	474	463	450	400	481	491	455
By geographic regions:													
Africa.....thous. of dol.	28,687	22,978	29,205	21,172	19,159	30,079	19,795	24,189	14,799	24,402	43,850	28,242	-----
Asia and Oceania.....do.	119,723	139,236	150,311	102,165	98,217	98,272	120,830	100,696	95,751	56,798	77,879	88,412	-----
Europe.....do.	76,258	88,877	76,313	60,644	49,677	68,090	58,407	69,341	71,730	64,126	76,796	78,847	-----
Northern North America.....do.	88,296	93,097	82,979	75,524	91,641	90,952	87,817	96,638	90,547	88,616	101,121	108,485	-----
Southern North America.....do.	61,094	76,938	75,106	76,876	93,454	112,634	86,026	93,836	91,853	78,839	77,409	71,482	-----
South America.....do.	104,496	114,707	116,600	100,516	92,120	111,805	100,701	78,236	84,927	87,538	104,055	120,028	-----
By leading countries:													
Europe:													
France.....do.	7,372	8,610	6,167	3,531	4,502	5,073	3,856	3,287	3,411	2,807	3,408	3,524	-----
Germany.....do.	402	125	252	70	218	551	766	196	365	688	484	710	-----
Italy.....do.	9,544	8,004	5,392	3,276	3,314	3,825	2,673	2,953	2,074	2,188	3,040	4,958	-----
Union of Soviet Socialist Republics.....do.	1,809	15,944	9,006	1,047	1,245	6,288	4,466	10,475	9,956	2,508	13,994	7,835	-----
United Kingdom.....do.	18,476	14,224	16,910	19,029	11,139	18,099	16,824	18,938	18,624	17,128	15,684	18,426	-----
North and South America:													
Canada.....do.	84,331	90,187	79,475	74,306	89,755	89,442	85,072	92,644	86,762	84,866	97,317	105,365	-----
Latin American Republics, total.....do.	159,776	185,610	183,724	169,916	175,832	215,236	176,330	164,893	168,321	158,670	174,375	183,203	-----
Argentina.....do.	23,016	26,658	16,382	16,900	8,767	13,294	18,839	15,313	10,691	5,817	7,239	11,453	-----
Brazil.....do.	37,792	37,277	51,482	37,504	29,367	42,549	26,763	16,952	31,154	28,229	46,705	46,718	-----
Chile.....do.	6,719	8,770	4,747	4,931	8,186	11,805	14,120	11,160	10,888	11,602	9,076	11,243	-----
Columbia*.....do.	16,550	20,142	18,176	18,351	20,259	18,515	14,477	12,785	9,917	13,759	14,694	23,320	-----
Cuba.....do.	29,276	36,168	27,553	34,077	42,801	61,238	44,586	50,848	53,706	45,133	32,318	37,636	-----
Mexico.....do.	19,984	23,441	25,024	21,299	23,395	22,205	17,466	18,300	16,749	29,226	19,231	19,631	-----
Venezuela*.....do.	9,973	10,523	14,201	13,711	17,072	13,733	13,134	12,829	13,289	13,850	15,657	14,596	-----
Other regions:													
Australia.....do.	11,828	7,724	14,148	8,516	16,813	15,918	15,206	12,058	7,079	5,341	5,781	3,674	-----
British Malaya.....do.	19,093	15,347	47,246	24,490	15,699	18,211	43,212	23,662	23,951	14,212	16,407	15,809	-----
China.....do.	5,183	11,593	15,572	13,206	10,271	5,955	11,917	13,727	7,556	3,033	5,390	6,634	-----
Egypt.....do.	7,058	3,812	1,068	1,354	610	936	964	3,931	1,032	2,637	13,393	1,835	-----
India and dependencies.....do.	27,618	24,944	27,581	19,487	22,059	19,218	13,234	22,959	29,157	13,759	24,811	21,578	-----
Japan.....do.	10,626	19,211	8,445										

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947										
	November	December	January	February	March	April	May	June	July	August	September	October	November
FOREIGN TRADE—Continued													
VALUE\$—Continued													
Imports for consumption—Continued.													
By principal commodities:													
Nonagricultural, total.....thous. of dol.	240,893	245,162	228,959	197,292	204,214	215,047	222,327	247,021	252,508	236,232	272,680	277,735	-----
Furs and manufactures.....do.	14,179	24,662	14,796	4,434	6,648	7,085	9,187	14,450	11,947	5,576	18,756	11,566	-----
Nonferrous ores and metals, total.....do.	25,899	32,143	29,876	27,568	25,479	30,049	35,789	44,312	40,988	45,133	45,806	42,116	-----
Copper, including ore and manufactures:													
thous. of dol.	9,580	12,511	7,443	8,625	9,026	8,074	16,571	21,818	15,626	17,369	16,847	18,229	-----
Tin, including ore.....do.	4,217	2,778	3,762	1,466	9	2,410	853	1,272	7,435	9,109	13,913	7,550	-----
Paper base stocks.....do.	13,242	14,022	18,208	18,087	15,906	17,187	20,521	29,958	30,773	36,557	25,191	26,995	-----
Newsprint.....do.	26,318	25,916	23,763	21,004	25,987	27,048	28,667	30,423	30,988	27,747	32,601	31,933	-----
Petroleum and products.....do.	12,981	14,753	19,379	18,429	21,620	20,309	21,879	18,543	20,475	19,284	19,708	20,191	-----

TRANSPORTATION AND COMMUNICATIONS

TRANSPORTATION													
Air Lines													
Operations on scheduled air lines:†													
Miles flown, revenue.....thous. of miles	25,046	27,173	22,502	22,512	25,464	25,318	26,994	26,866	28,572	28,883	27,515	28,373	-----
Express and freight carried.....thous. of lb.	16,435	24,021	12,331	12,615	17,449	17,235	15,610	15,722	13,841	16,972	19,948	-----	
Express and freight ton-miles flown.....thousands	4,390	6,321	3,602	3,827	5,116	4,788	4,415	4,295	4,233	4,749	5,555	-----	
Passengers carried (revenue).....do.	980	999	725	740	973	1,077	1,133	1,065	1,075	1,253	1,255	1,195	-----
Passenger-miles flown (revenue).....do.	465,015	503,478	376,339	368,017	488,019	519,516	556,589	538,377	533,706	600,262	599,683	569,885	-----
Express Operations													
Operating revenue.....thous. of dol.	28,327	31,223	25,838	25,355	25,645	25,112	25,082	24,398	24,429	24,406	26,668	26,183	-----
Operating income.....do.	87	66	55	79	61	50	64	47	62	47	17	63	-----
Local Transit Lines													
Fares, average, cash rate.....cents.	7.9832	7.9915	8.0165	8.0220	8.0275	8.0414	8.0580	8.0580	8.0829	8.0913	8.1023	8.1190	8.1854
Passengers carried†.....millions	1,581	1,627	1,628	1,481	1,607	1,591	1,606	1,479	1,464	1,441	1,481	1,581	1,495
Operating revenues†.....thous. of dol.	116,500	123,600	119,800	108,700	116,200	118,200	120,100	112,100	111,400	111,300	113,300	121,200	-----
Class I Steam Railways													
Freight carloadings (A. A. R.):⊙													
Total cars.....thousands	4,220	3,022	3,168	3,179	4,170	3,233	4,376	3,543	3,276	4,560	3,600	3,808	4,424
Coal.....do.	712	599	759	736	917	547	922	708	495	886	713	758	934
Coke.....do.	64	48	56	58	73	53	72	54	49	70	54	60	72
Forest products.....do.	222	166	167	195	250	183	233	188	178	248	191	191	222
Grains and grain products.....do.	248	207	216	202	265	191	213	200	275	317	210	216	245
Livestock.....do.	117	63	68	49	67	54	66	49	46	62	74	91	92
Merchandise, l. c. l.....do.	641	473	445	461	620	505	593	464	429	577	467	491	588
Ore.....do.	240	49	48	49	69	164	369	324	343	407	299	274	238
Miscellaneous.....do.	1,976	1,416	1,409	1,430	1,910	1,536	1,909	1,555	1,461	1,992	1,592	1,728	2,030
Freight carloadings (Federal Reserve indexes):													
Combined index, unadjusted.....1935-39=100	141	131	138	133	137	134	144	142	140	148	153	156	150
Coal.....do.	117	132	163	149	147	119	155	141	115	146	153	156	160
Coke.....do.	166	163	184	182	169	183	170	165	177	178	188	192	195
Forest products.....do.	148	139	147	159	148	154	151	153	160	161	155	147	142
Grains and grain products.....do.	144	152	157	144	146	133	121	143	202	175	153	152	142
Livestock.....do.	171	118	118	89	96	98	94	87	87	87	139	161	133
Merchandise, l. c. l.....do.	84	78	74	74	79	80	76	73	71	73	77	78	77
Ore.....do.	169	45	44	43	50	157	267	286	311	284	272	235	163
Miscellaneous.....do.	154	139	139	136	144	145	146	146	145	150	157	163	158
Combined index, adjusted†.....do.	137	140	150	142	146	137	142	137	134	143	142	146	147
Coal†.....do.	117	132	163	149	147	119	155	141	115	146	153	156	160
Coke†.....do.	166	155	175	171	180	173	185	173	170	184	180	192	195
Forest products.....do.	151	156	163	166	159	148	148	145	152	152	149	147	150
Grains and grain products†.....do.	147	162	157	147	159	151	138	140	168	162	137	152	145
Livestock†.....do.	136	122	123	110	121	111	104	107	107	92	105	104	105
Merchandise, l. c. l.....do.	82	81	77	76	78	79	76	74	71	73	73	75	75
Oref.....do.	157	145	176	172	171	184	184	184	190	181	181	163	163
Miscellaneous†.....do.	148	148	152	145	151	147	145	142	143	149	145	149	151
Freight-car surplus and shortage, daily average:													
Car surplus.....number	11,881	16,416	3,584	3,300	2,714	12,125	5,243	11,333	30,651	2,391	1,322	942	2,505
Box cars.....do.	86	91	134	224	50	120	2,029	5,904	613	175	238	132	75
Coal cars.....do.	10,013	14,383	507	85	116	9,456	27	1,390	25,874	127	0	0	10
Car shortage*.....do.	32,861	24,418	19,920	30,899	35,943	20,150	14,779	14,969	15,697	31,766	34,443	40,103	27,865
Box cars.....do.	23,444	19,733	14,197	20,925	24,178	15,165	4,292	5,127	9,592	16,336	17,165	20,819	16,631
Coal cars.....do.	6,231	3,397	5,200	9,337	10,713	4,583	10,247	9,357	5,331	14,566	15,165	15,275	10,277
Financial operations (unadjusted):													
Operating revenues, total.....thous. of dol.	658,247	637,241	685,541	635,940	717,826	689,456	724,432	696,909	705,361	745,258	726,550	794,165	755,324
Freight.....do.	522,888	493,531	551,050	518,615	592,186	564,807	591,687	556,889	557,881	596,592	593,089	664,648	625,241
Passenger.....do.	85,512	92,716	82,450	70,766	71,411	70,414	77,349	84,787	93,642	94,001	80,369	75,009	73,661
Operating expenses.....do.	536,140	549,828	538,968	509,380	549,368	543,301	557,318	550,057	555,362	565,606	588,591	611,872	595,315
Tax accruals, joint facility and equipment rents.....thous. of dol.	57,984	45,581	88,555	83,415	95,676	87,745	91,385	86,651	89,041	98,827	89,979	105,860	94,432
Net railway operating income.....do.	64,122	102,995	57,718	43,146	72,782	58,410	75,729	60,201	60,958	80,825	47,979	76,433	66,566
Net income†.....do.	38,066	88,775	28,822	14,382	43,147	32,580	46,360	38,402	37,025	51,343	20,147	48,904	-----
Financial operations, adjusted:†													
Operating revenues, total.....mil. of dol.	663.0	658.1	698.3	696.4	723.0	684.9	698.0	731.0	682.7	719.4	716.3	739.1	-----
Freight.....do.	524.3	520.5	559.0	564.8	594.6	555.8	565.3	593.4	543.5	581.2	583.4	611.7	-----
Passenger.....do.	89.4	91.0	86.0	78.4	72.2	72.9	78.2	81.9	85.9	83.8	80.7	76.7	-----
Railway expenses.....do.	601.2	523.0	623.8	630.9	641.8	637.4	633.2	649.2	624.5	655.4	680.5	696.3	-----
Net railway operating income.....do.	61.8	135.1	74.5	65.4	81.1	47.6	64.8	81.8	48.2	64.0	35.8	42.8	-----
Net income.....do.	29.4	98.0	41.8	32.7	48.1	15.2	32.1	48.9	17.6	31.0	3.5	10.5	-----
Operating results:													
Freight carried 1 mile.....mil. of tons	54,873	52,712	57,019	51,833	59,485	53,935	60,009	56,646	54,664	61,650	59,406	64,592	-----
Revenue per ton-mile.....cents.	1.007	.997	1.034	1.079	1.055	1.115	1.055	1.043	1.094	1.029	1.057	1.089	-----
Passengers carried 1 mile.....millions	4,267	4,543	4,120	3,489	3,529	3,489	3,729	4,096	4,413	4,481	3,855	3,450	-----

* Revised. † Deficit. ⊙ Data for November 1946, March, May, August, and November 1947 are for 5 weeks; other months, 4 weeks.

§ Data continue series published in the 1942 Supplement; data for December 1941-February 1945 will be published later. ‡ Revised data for October 1946, \$58,207,000.

* New series. For comparable data beginning 1943 for total car shortage and surplus and an explanation of a change in the latter series, see p. S-21 of December 1944 Survey.

† Revised series. See note in the July 1947 Survey for explanation of revisions in the data for air lines; revised data prior to May 1946 will be published later. Data for local transit lines revenues beginning in the April 1944 Survey and passengers carried beginning in the May 1945 issue are estimated totals for all transit lines; revised data beginning 1936 will be published later. See note marked "††" regarding car surpluses. Revisions for 1939-July 1942 for the indicated indexes of car loadings and revisions for January 1937-February 1943 for the adjusted series for financial operations are available on request.

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947										
	November	December	January	February	March	April	May	June	July	August	September	October	November
TRANSPORTATION AND COMMUNICATIONS—Continued													
TRANSPORTATION—Continued													
Waterway Traffic													
Clearances, vessels in foreign trade:§													
Total, U. S. ports.....thous. net tons.....	6,843	5,768	6,222	6,296	6,870	7,615	9,646	8,725	8,953	9,991	9,196	9,153	-----
Foreign.....do.....	2,729	2,009	2,378	2,455	2,753	3,291	4,367	3,980	3,945	4,697	4,272	4,451	-----
United States.....do.....	4,114	3,759	3,844	3,841	4,116	4,324	5,278	4,746	5,008	5,294	4,924	4,703	-----
Travel													
Hotels:													
Average sale per occupied room.....dollars.....	4.44	4.16	4.25	4.37	4.37	4.86	4.46	4.75	4.70	5.16	5.07	5.14	5.28
Rooms occupied.....percent of total.....	90	84	90	92	92	92	92	93	87	93	92	93	87
Restaurant sales index, avg. same mo. 1929=100.....	241	208	229	213	214	240	244	248	225	246	238	226	234
Foreign travel:													
U. S. citizens, arrivals.....number.....	29,597	30,923	38,660	41,910	50,633	43,345	35,873	39,987	-----	-----	-----	-----	-----
U. S. citizens, departures.....do.....	31,178	37,782	37,602	47,394	44,474	41,647	45,258	45,320	-----	-----	-----	-----	-----
Emigrants.....do.....	3,090	2,848	854	1,306	1,648	1,691	1,833	1,804	-----	-----	-----	-----	-----
Immigrants.....do.....	9,739	11,218	14,080	11,118	13,910	13,391	14,632	14,733	-----	-----	-----	-----	-----
Passports issued.....do.....	13,500	14,186	17,989	18,468	20,294	20,166	20,962	21,831	19,611	15,277	12,182	13,402	10,456
National parks, visitors.....thousands.....	118	87	97	122	137	206	442	902	1,467	1,502	652	308	131
Pullman Co.:													
Revenue passenger-miles.....millions.....	1,165	1,149	1,378	1,161	1,180	1,064	1,061	1,215	1,139	1,166	1,104	1,028	-----
Passenger revenues.....thous. of dol.....	8,429	9,059	10,214	8,677	8,857	8,094	8,018	9,193	8,558	8,712	8,374	8,924	-----
COMMUNICATIONS													
Telephone carriers:†													
Operating revenues.....thous. of dol.....	196,489	203,627	203,553	197,097	207,168	153,955	184,948	205,193	209,134	210,070	213,422	-----	-----
Station revenues.....do.....	107,775	110,477	111,649	109,982	112,806	97,324	106,818	113,371	114,567	114,836	118,134	-----	-----
Tolls, message.....do.....	73,343	77,363	76,009	71,051	78,111	40,735	61,629	75,477	77,993	78,063	77,929	-----	-----
Operating expenses.....do.....	151,471	159,272	157,464	149,048	157,198	132,475	154,400	165,551	175,553	172,006	175,079	-----	-----
Net operating income.....do.....	22,504	23,878	20,455	22,068	23,625	5,792	11,497	17,914	13,239	16,305	16,890	-----	-----
Phones in service end of month.....thousands.....	28,754	29,067	29,249	29,564	29,874	30,359	30,057	30,292	30,553	30,794	31,058	-----	-----
Telegraph and cable carriers:‡													
Operating revenues, total.....thous. of dol.....	16,653	17,948	17,688	16,233	17,530	23,264	20,740	18,981	18,449	18,122	18,366	-----	-----
Telegraph carriers, total.....do.....	15,380	16,553	16,330	14,984	16,134	21,892	19,399	17,662	17,019	16,786	17,029	-----	-----
Western Union Telegraph Co., revenues from cable operations.....thous. of dol.....	595	717	599	534	571	534	611	574	599	639	659	-----	-----
Cable carriers.....do.....	1,273	1,395	1,358	1,249	1,396	1,372	1,341	1,320	1,430	1,336	1,337	-----	-----
Operating expenses.....do.....	14,466	15,549	14,863	13,503	14,298	16,644	16,387	15,347	16,010	15,366	15,376	-----	-----
Net operating revenues.....do.....	6	698	590	520	1,093	4,399	2,140	1,541	291	682	928	-----	-----
Net income trans. to earned surplus.....do.....	4 31	320	138	68	873	2,676	1,062	1,335	41	332	700	-----	-----
Radiotelegraph carriers, operating revenues.....do.....	1,607	1,990	1,714	1,642	1,775	1,609	1,637	1,617	1,609	1,742	1,759	-----	-----

CHEMICALS AND ALLIED PRODUCTS

CHEMICALS													
Inorganic chemicals, production:*													
Ammonia, synthetic anhydrous (100% NH ₃) [♠]													
short tons.....	80,380	82,123	85,121	85,663	95,859	93,007	97,107	91,681	93,345	88,807	84,617	91,144	87,615
Calcium arsenate [100% Ca ₃ (AsO ₄) ₂].....thous. of lb.....	1,330	754	1,765	1,543	1,221	2,320	5,492	8,805	10,458	5,064	3,107	2,272	2,709
Calcium carbide (100% CaC ₂).....short tons.....	55,312	51,830	50,675	45,411	52,466	51,830	56,286	48,136	53,388	50,827	47,177	48,336	48,462
Carbon dioxide, liquid, gas and solid (100% CO ₂) [♠]thous. of lb.....	62,048	56,787	60,491	49,858	62,449	81,330	96,487	96,700	110,228	107,712	102,410	79,782	61,214
Chlorine.....short tons.....	97,135	102,628	110,088	101,717	117,039	109,050	118,284	117,486	114,676	118,497	116,451	120,112	117,270
Hydrochloric acid (100% HCl).....do.....	30,150	30,714	35,144	33,966	36,993	34,637	36,899	33,071	33,577	34,639	33,456	36,355	37,526
Lead arsenate.....thous. of lb.....	2,865	3,726	4,923	3,691	4,481	5,470	3,717	1,289	447	-----	-----	-----	-----
Nitric acid (100% HNO ₃) [♠]short tons.....	63,277	62,460	64,138	62,193	64,647	64,288	64,826	62,064	60,227	60,394	59,900	61,996	67,996
Oxygen.....mil. cu. ft.....	1,006	1,028	1,101	1,010	1,218	1,146	1,188	1,089	1,066	1,105	1,093	1,314	1,212
Phosphoric acid (50% H ₃ PO ₄).....short tons.....	82,020	79,788	78,892	74,926	89,050	82,452	82,372	89,492	86,290	88,083	87,249	99,213	89,453
Soda ash, ammonia-soda process (98-100% Na ₂ CO ₃).....short tons.....	368,302	385,369	380,589	350,634	383,753	367,847	396,282	374,083	377,976	363,890	359,004	395,609	379,821
Sodium bichromate.....do.....	7,176	6,665	6,979	5,954	7,129	7,089	7,474	7,426	7,331	7,219	7,350	8,413	7,527
Sodium hydroxide (100% NaOH).....do.....	153,275	165,186	173,449	156,786	179,400	166,946	179,142	175,896	175,523	177,310	170,122	178,733	173,421
Sodium silicate, soluble silicate glass (anhydrous) [♠]short tons.....	34,442	32,479	39,991	35,884	42,120	50,267	39,726	32,814	36,584	33,963	34,667	43,642	45,233
Sodium sulfate, Glauber's salt and crude salt cake.....short tons.....	52,494	64,878	66,275	63,208	70,059	69,947	74,505	69,579	64,996	65,942	65,414	70,293	71,245
Sulfuric acid (100% H ₂ SO ₄):													
Price, wholesale, 66°, tanks, at works§	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50
Production.....short tons.....	838,040	878,078	888,912	835,163	931,237	865,447	888,304	850,934	846,360	859,262	851,733	893,171	880,068
Organic chemicals:													
Acetic acid (syn. and natural), production*													
thous. of lb.....	27,718	31,725	35,152	30,670	33,620	30,376	33,876	31,729	35,897	35,365	28,606	29,560	-----
Acetic anhydride, production*.....do.....	45,033	48,703	49,157	45,662	54,206	53,086	54,249	41,433	53,627	53,478	50,308	55,071	-----
Acetyl salicylic acid (aspirin), production*.....do.....	1,010	965	925	1,024	832	1,043	1,053	1,155	998	1,126	1,083	1,092	-----
Alcohol, denatured:§													
Consumption (withdrawals).....thous. of wine gal.....	19,805	17,416	15,015	12,361	12,673	13,464	14,095	13,687	15,061	16,426	18,718	21,820	19,026
Production.....do.....	19,667	17,016	15,040	11,573	12,777	13,667	13,926	14,150	14,605	16,469	18,610	21,744	18,620
Stocks.....do.....	2,606	2,200	2,216	1,423	1,521	1,712	1,531	1,981	1,529	1,560	1,447	1,354	943
Alcohol, ethyl:§													
Production.....thous. of proof gal.....	18,097	20,471	22,399	18,416	19,455	23,556	27,982	23,793	26,833	29,226	29,906	39,012	28,472
Stocks, total.....do.....	42,392	32,861	30,215	30,676	28,214	26,150	29,258	27,016	27,764	28,637	24,409	26,634	22,787
In industrial alcohol bonded warehouses.....do.....	26,792	25,807	22,927	21,294	21,992	24,089	27,452	25,699	26,928	22,894	25,938	22,170	22,170
In denaturing plants.....do.....	15,600	7,054	7,288	9,381	6,222	2,061	1,807	1,694	2,065	1,709	1,514	697	618
Withdrawn for denaturing.....do.....	36,086	31,232	27,775	21,409	23,622	25,227	25,743	26,065	27,359	30,303	34,101	34,590	29,979
Withdrawn tax-paid.....do.....	5,202	3,975	4,350	3,175	2,555	2,170	2,377	2,768	2,696	3,201	4,275	4,630	-----
Creosote oil, production*.....thous. of gal.....	13,027	13,481	14,038	14,580	14,696	14,271	13,454	12,779	11,581	11,988	13,407	13,944	-----
Cresylic acid, refined, production*.....thous. of lb.....	2,100	1,817	2,094	2,142	2,234	2,436	2,196	1,909	2,329	2,357	1,697	2,403	-----
Ethyl acetate (85%) production*.....do.....	10,170	9,602	10,185	7,084	7,902	5,984	6,088	6,826	5,822	5,899	6,785	7,181	-----

*Revised. †Deficit. ‡Data relate to continental United States.
 §Compiled on a new basis beginning 1943; see April 1944 Survey for 1943 data and reference to revised 1942 data. Total operating revenues of telegraph carriers includes and operating revenues of cable carriers excludes cable operations of Western Union; the latter data were revised in May 1947 Survey (see note in that issue).
 ♠Data for carbon dioxide and sodium silicate were revised in the March 1945 and the September Survey, respectively (see notes in those issues). See note in February 1947 Survey with regard to additional plants included in the data for nitric acid and ammonia.
 §The indicated series, except series for alcohol stocks in denaturing plants (available only beginning 1942), continue data in the 1942 Supplement; unpublished data beginning 1941 or 1942 through February 1945 for ethyl alcohol and vessel clearances and for June 1944-July 1946 for prices of sulfuric acid will be shown later.
 *New series. See note marked "****" on p. S-23 of the September 1947 Survey for reference to data prior to 1943 for a number of the chemical series and information regarding revisions that have not been published.

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947									
	November	December	January	February	March	April	May	June	July	August	September	October	November

CHEMICALS AND ALLIED PRODUCTS—Continued

CHEMICALS—Continued													
Organic chemicals—Continued.													
Glycerin, refined (100% basis):*													
High gravity and yellow distilled:													
Consumption.....thous. of lb.	5,319	5,965	7,022	6,800	7,407	8,127	7,428	6,617	6,509	6,761	7,032	8,146	7,633
Production.....do	5,984	7,431	7,386	8,234	8,746	7,651	6,606	6,965	5,483	7,250	8,812	8,292	7,560
Stocks.....do	12,663	15,310	14,102	15,340	17,544	18,135	19,151	19,843	18,848	18,869	19,146	17,665	16,061
Chemically pure:													
Consumption.....do	5,458	5,811	6,963	6,138	6,555	6,139	5,957	5,871	5,650	6,358	6,754	7,770	7,067
Production.....do	5,073	6,042	7,662	8,573	8,450	8,531	9,181	7,980	6,200	7,998	7,957	9,357	8,782
Stocks.....do	18,333	17,979	17,941	18,106	18,875	19,137	20,789	20,723	20,171	20,396	19,493	18,289	17,709
Methanol, production:†													
Crude (80%).....thous. of gal.	250	221	276	230	244	284	286	221	220	253	249	290	293
Synthetic (100%).....do	6,674	6,505	7,145	6,681	6,991	6,206	6,830	6,551	6,779	6,708	6,564	7,065	7,065
Phthalic anhydride, production*.....thous. of lb.	11,246	10,994	11,687	10,847	11,690	9,605	10,526	11,764	12,871	12,396	11,800	12,529	12,529
FERTILIZERS													
Consumption, total*.....thous. of short tons	529	928	1,459	1,225	1,120	954	644	340	417	434	520	536	667
Midwest States*.....do	82	195	239	182	160	166	138	80	207	156	168	121	191
Southern States†.....do	448	734	1,220	1,042	960	788	505	260	209	278	362	415	476
Exports, total§.....long tons	83,544	104,336	89,474	98,945	92,213	132,895	141,788	112,792	115,867	125,303	112,559	104,740	104,740
Nitrogenous§.....do	3,430	5,577	10,854	21,616	20,851	30,226	36,037	10,926	22,575	9,284	6,280	16,682	16,682
Phosphate materials§.....do	70,254	83,752	64,147	66,401	58,802	89,765	94,580	85,138	81,082	103,928	94,054	79,858	79,858
Prepared fertilizers§.....do	2,125	4,720	1,914	2,448	1,449	987	636	2,718	1,661	874	1,659	617	617
Imports, total§.....do	64,434	39,928	50,020	51,943	116,166	145,266	138,060	117,760	82,474	93,649	76,591	92,214	92,214
Nitrogenous, total§.....do	55,712	28,096	40,728	40,851	103,704	117,102	108,988	107,484	75,912	85,337	67,166	73,015	73,015
Nitrate of soda§.....do	23,141	1,327	10,029	9,358	65,886	71,738	80,555	80,786	41,623	41,737	16,959	30,623	30,623
Phosphates§.....do	3,446	6,835	404	3,759	3,579	4,346	4,696	4,482	38	4,330	3,777	12,617	12,617
Potash§.....do	0	18	0	0	897	13,301	11,250	0	2,232	0	0	0	0
Price, wholesale, nitrate of soda, crude, f. o. b. cars, port warehouses⊙.....dol. per 100 lb.	1,925	1,925	2,045	2,075	2,075	2,075	2,075	2,075	2,075	2,195	2,275	2,275	2,275
Potash deliveries.....short tons	72,770	81,044	98,555	77,839	95,229	84,207	73,802	83,121	73,708	83,848	75,764	88,705	88,705
Superphosphate (bulk):†													
Production.....do	750,940	783,275	830,752	824,578	888,875	863,787	892,045	802,128	801,835	797,273	808,503	887,205	862,662
Stocks, end of month.....do	736,357	796,677	815,611	750,550	645,412	608,409	681,235	855,352	903,380	866,919	847,495	858,655	933,655
NAVAL STORES													
Rosin (gum and wood):													
Price, gum, wholesale "H" (Sav.), bulk.....dol. per 100 lb.	7.83	8.07	8.68	9.61	9.65	9.24	7.34	7.58	6.83	6.76	7.10	8.46	8.91
Production*.....drums (520 lb.)	462,007	398,102			351,875	222,701		527,335			572,233		
Stocks*.....do								243,086			284,840		
Turpentine (gum and wood):													
Price, gum, wholesale (Savannah)†.....dol. per gal.	1.30	1.24	1.21	1.15	1.00	.85	.59	.61	.59	.59	.62	.62	.64
Production*.....bbl. (50 gal.)	143,055	101,295			113,520	98,205		176,089			189,689		
Stocks*.....do								147,693			194,111		
MISCELLANEOUS													
Explosives (industrial), shipments.....thous. of lb.	45,300	45,147	47,092	45,017	46,444	46,038	51,296	51,048	47,134	53,275	55,787	59,434	52,365
Gelatin:§													
Production, total*.....do	3,311	3,656	3,858	3,793	3,954	3,700	4,117	3,847	3,159	3,393	3,116	4,017	4,290
Edible§.....do	2,055	2,259	2,508	2,407	2,237	2,405	3,028	2,901	2,313	2,762	2,420	3,077	3,277
Stocks, total*.....do	3,999	4,857	5,548	5,789	6,078	6,369	6,488	6,374	6,338	6,042	5,961	5,431	5,739
Edible§.....do	1,824	2,299	2,878	2,866	2,988	2,922	3,059	2,787	2,453	2,430	2,356	2,400	2,714
Sulfur:*													
Production.....long tons	355,179	351,028	321,415	298,565	350,307	333,531	377,218	359,313	382,674	391,396	406,964	425,612	405,205
Stocks.....do	3,874,808	3,769,368	3,704,059	3,667,729	3,636,884	3,548,703	3,495,011	3,456,082	3,438,367	3,444,607	3,449,732	3,457,899	3,435,298
Glue, animal:*													
Production.....thous. of lb.	12,214	11,780	13,939	12,886	12,538	14,226	13,770	12,843	12,158	11,424	12,003	14,666	13,636
Stocks.....do	10,633	10,616	10,272	9,398	9,059	9,155	8,643	8,950	8,757	7,749	7,882	8,392	9,509
Bone black:*													
Production.....short tons	955	956	1,023	928	1,069	596	847	1,040	1,048	1,065	1,085	1,085	848
Stocks.....do	1,625	1,349	1,505	1,463	1,456	959	979	1,021	1,008	1,030	1,079	1,375	1,180
OIL SEEDS, OILS, FATS AND BYPRODUCTS													
Animal, including fish oil:													
Animal fat†													
Consumption, factory.....thous. of lb.	97,631	116,297	129,026	140,495	144,102	119,584	105,542	105,301	99,329	127,228	134,765	155,630	134,391
Production.....do	267,279	243,908	303,997	262,265	221,840	230,470	262,265	255,713	238,514	208,609	189,544	226,266	279,792
Stocks, end of month.....do	181,313	231,839	307,623	307,692	286,602	339,877	389,074	428,604	444,002	400,170	320,801	250,588	258,425
Greases:‡													
Consumption, factory.....do	39,182	44,996	48,688	45,736	45,864	42,572	43,939	41,226	37,746	43,658	49,913	55,182	50,604
Production.....do	46,282	45,607	52,591	47,484	44,586	46,735	48,613	48,280	46,611	44,434	40,154	47,402	50,039
Stocks, end of month.....do	63,018	64,820	72,871	67,138	64,305	69,983	84,829	98,827	101,964	106,382	98,924	97,555	96,111
Fish oils:‡													
Consumption, factory.....do	18,976	18,374	18,509	18,772	20,290	20,365	14,135	16,478	11,475	12,150	20,148	22,929	22,944
Production.....do	10,812	7,867	1,646	1,260	777	1,577	1,301	10,927	21,739	21,109	22,706	19,889	6,852
Stocks, end of month.....do	114,682	117,410	107,320	102,400	79,211	66,335	57,728	59,041	65,152	86,445	85,999	108,815	91,459
Vegetable oils, total:													
Consumption, crude, factory †.....mil. of lb.	416	418	431	412	417	395	333	294	297	294	329	432	437
Exports§.....thous. of lb.	10,015	14,561	27,090	5,634	7,011	7,291	13,643	25,855	14,538	16,148	23,284	19,105	19,105
Imports, total§.....do	33,973	51,817	31,942	46,545	32,697	36,677	54,057	52,306	26,669	10,744	19,106	5,462	5,462
Paint oils.....do	21,112	41,904	27,274	31,314	21,737	28,343	43,672	37,754	18,208	2,121	3,921	2,601	2,601
All other vegetable oils§.....do	12,861	9,913	4,668	15,231	10,960	8,333	10,385	14,553	8,461	8,623	15,185	2,861	2,861
Production†.....mil. of lb.	409	403	443	392	382	356	313	283	278	248	330	468	481
Stocks, end of month:‡													
Crude.....do	519	538	532	547	552	551	571	573	566	489	458	471	485
Refined.....do	247	262	279	304	311	353	392	385	359	292	243	207	210

* Revised. † See note in the April 1946 Survey with regard to difference between these series and similar data published in the 1942 Supplement to the Survey.

‡ Excludes data for Mississippi, which has discontinued monthly reports, beginning in the October 1946 Survey.

§ The indicated series continue data published in the 1942 Supplement; unpublished data beginning 1941 or 1942 through February 1945, and also corrected data for 1937-July 1945 for nitrogenous and total fertilizer imports, will be published later.

⊙ For a brief description of this series see note in April 1946 Survey. † See note marked "†" on p. S-25 regarding unpublished revisions.

* New series. For source and description of data for glycerin see p. S-23 of November 1944 Survey and for turpentine and rosin, p. S-24 of the May 1946 issue. Small revisions in the data for June 1943-August 1946 for glycerin will be shown later. Data for 1933-45 for fertilizer consumption by midwestern States and the total (compiled by the National Fertilizer Association), for 1942-February 1945 for the new series on gelatin, and data prior to August 1946 for bone black and glue will be published later; data for gelatin, bone black and glue are compiled by the Bureau of the Census and are complete or practically complete. Data for 1940-43 for sulfur are on p. 24 of the May 1946 Survey. See note marked "†" on p. S-23 of the September 1947 Survey for reference to data for phthalic anhydride.

† Revised series. See note in the November 1943 Survey explaining a change in the superphosphate data and note in September 1947 Survey regarding a company included beginning January 1946. See note on p. S-23 of the November 1943 Survey regarding change in the turpentine price series.

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947										
	November	December	January	February	March	April	May	June	July	August	September	October	November

CHEMICALS AND ALLIED PRODUCTS—Continued

OIL SEEDS, OILS, FATS, AND BYPRODUCTS—Continued													
Copra:													
Consumption, factory\$.....short tons..	15,949	46,765	56,069	51,352	59,163	59,214	53,347	52,368	45,330	40,731	41,828	47,148	48,821
Imports\$.....do.....	43,495	93,788	74,963	51,285	72,319	61,925	61,004	51,346	18,644	31,340	48,297	53,485	26,618
Stocks, end of month\$.....do.....	33,074	60,299	89,781	71,902	72,777	77,541	59,714	44,320	42,300	26,861	23,871	22,984	25,945
Coconut or copra oil:													
Consumption, factory:†													
Crude.....thous. of lb.....	38,611	44,793	62,871	64,270	74,349	72,406	70,349	61,636	62,008	69,608	72,257	79,656	72,862
Refined.....do.....	17,262	16,397	26,648	29,822	31,217	31,057	29,103	27,664	23,784	32,977	30,174	29,828	26,618
Imports\$.....do.....	380	0	1,088	1,822	5,549	813	2,394	3,225	1,767	866	(¹)	0	0
Production:†													
Crude.....do.....	18,827	58,100	68,683	63,024	73,902	74,043	68,398	66,074	57,902	51,902	53,609	61,103	62,287
Refined.....do.....	16,305	19,581	30,909	32,749	36,581	35,720	33,020	28,611	30,466	34,228	33,498	35,388	35,088
Stocks, end of month:†													
Crude.....do.....	77,836	92,456	87,005	97,177	115,722	130,011	138,489	134,949	127,927	105,978	89,363	69,578	59,669
Refined.....do.....	9,585	9,885	12,376	13,935	13,228	14,267	19,088	12,998	14,412	10,737	11,194	10,998	9,213
Cottonseed:													
Consumption (crush).....thous. of short tons.....	523	400	417	294	212	162	104	69	74	102	345	647	596
Receipts at mills.....do.....	704	338	149	95	43	19	11	14	65	167	776	1,509	654
Stocks at mills, end of month.....do.....	1,098	1,035	767	568	399	256	163	108	100	163	594	1,458	1,515
Cottonseed cake and meal:													
Production.....short tons.....	231,757	177,251	183,468	129,910	93,077	69,749	45,879	30,477	33,980	47,068	156,076	301,370	276,451
Stocks at mills, end of month.....do.....	81,598	120,182	160,033	159,724	128,193	127,171	117,052	87,958	46,941	26,416	37,844	62,121	71,590
Cottonseed oil, crude:													
Production.....thous. of lb.....	164,139	125,387	130,986	92,140	68,382	52,743	34,925	23,341	24,212	31,109	104,348	197,834	181,915
Stocks, end of month.....do.....	105,029	97,569	104,119	88,171	72,546	48,039	33,979	19,990	15,191	19,209	57,307	95,356	112,684
Cottonseed oil, refined:													
Consumption, factory†.....do.....	129,156	114,866	108,240	81,664	73,351	53,077	35,140	44,687	56,312	74,243	74,751	119,107	129,166
In oleomargarine.....do.....	27,101	25,279	30,116	28,008	24,474	14,485	12,981	16,407	19,906	20,115	27,891	41,554	41,554
Price, wholesale, summer, yellow, prime (N. Y.) dol. per lb.....	.262	.280	.302	.350	.389	.314	.256	.241	.234	.179	.224	.237	.276
Production.....thous. of lb.....	142,025	123,070	113,694	106,518	80,781	74,345	45,388	35,517	26,410	24,913	56,852	144,981	157,874
Stocks, end of month.....do.....	169,651	170,112	170,988	185,390	191,688	211,855	217,849	204,106	171,094	116,709	92,081	107,882	133,196
Flaxseed:													
Imports\$.....thous. of bu.....	48	20	12	14	18	19	17	77	106	17	0	0	0
Duluth:													
Receipts.....do.....	1,938	211	27	40	35	7	10	7	2	12	1,435	2,733	911
Shipments.....do.....	1,396	1,077	2	69	69	39	83	74	72	0	436	1,053	1,147
Stocks.....do.....	1,194	327	307	303	270	238	145	78	8	20	1,019	2,699	2,463
Minneapolis:													
Receipts.....do.....	1,877	750	479	182	311	532	257	128	99	2,125	8,425	4,928	1,904
Shipments.....do.....	1,941	73	257	146	190	345	87	202	82	270	1,142	530	274
Stocks.....do.....	3,905	3,889	3,513	2,896	2,280	1,615	1,162	516	296	453	5,004	6,434	6,305
Oil mills:†													
Consumption.....do.....	2,271	1,807	1,790	1,545	1,636	1,560	1,335	1,687	1,641	1,325	2,410	3,051	3,174
Stocks, end of month.....do.....	2,880	3,468	2,024	1,415	1,079	980	855	1,457	1,892	2,526	5,720	6,789	6,893
Price, wholesale, No. 1 (Minneapolis) dol. per bu.....	7.26	7.27	7.25	(²)	8.51	7.50	6.30	6.12	6.02	6.00	6.39	6.78	6.84
Production (crop estimate).....thous. of bu.....		22,585											39,763
Linseed cake and meal:													
Shipments from Minneapolis.....thous. of lb.....	37,200	34,080	33,960	24,420	28,740	30,720	26,760	26,160	29,580	18,540	45,360	51,480	49,500
Linseed oil:													
Consumption, factory†.....do.....	41,762	40,960	44,978	41,575	45,174	47,453	45,094	38,716	40,030	39,834	40,865	44,820	36,508
Price, wholesale (N. Y.).....dol. per lb.....	.354	.358	.366	.378	.395	.394	.376	.325	.302	.291	.303	.318	.324
Production†.....thous. of lb.....	44,489	35,302	34,823	30,499	31,401	28,850	25,064	32,057	32,250	26,527	48,030	59,564	61,592
Shipments from Minneapolis.....do.....	27,840	21,720	20,460	19,380	23,460	25,380	19,620	13,620	14,880	21,240	27,240	33,440	29,580
Stocks at factory, end of month†.....do.....	135,698	152,782	140,898	136,681	125,060	131,769	134,627	144,544	157,724	132,682	118,443	127,844	124,541
Soybeans:													
Consumption, factory†.....thous. of bu.....	15,100	15,655	17,115	15,983	16,490	15,914	15,006	13,356	13,613	11,284	9,733	11,439	14,589
Production (crop estimate).....do.....		201,275									2,775	34,624	181,362
Stocks, end of month†.....do.....	56,990	59,610	56,104	52,338	41,977	41,680	37,147	28,004	19,124	10,248	109,838	141,963	119,523
Soybean oil:													
Consumption, factory, refined†.....thous. of lb.....	106,731	96,434	107,954	104,827	113,782	101,229	71,687	75,842	82,261	98,077	109,838	141,963	119,523
Price, wholesale, edible (N. Y.) ³.....dol. per lb.....	.297	.320	.323	.345	.461	.351	.268	.244	.227	.209	.233	.264	.312
Production:†													
Crude.....thous. of lb.....	134,664	137,121	151,554	141,115	145,013	141,456	135,889	122,436	125,706	105,315	91,358	107,170	133,231
Refined.....do.....	119,536	121,729	126,298	120,867	121,389	115,877	92,605	83,890	98,720	91,251	89,400	88,413	97,345
Stocks, end of month:†													
Crude.....do.....	107,565	98,442	97,712	97,226	94,053	89,302	108,829	122,760	125,686	105,941	79,583	80,496	84,040
Refined.....do.....	52,406	61,565	70,131	76,995	73,993	91,327	114,604	128,141	141,671	140,430	124,043	76,800	59,319
Oleomargarine:													
Consumption (tax-paid withdrawals)†.....do.....	56,550	57,680	66,262	66,470	66,626	39,376	36,493	39,649	47,448	47,251	67,771	82,894	82,894
Price, wholesale, standard, uncolored, (Chicago) dol. per lb.....	.420	.412	.393	.394	.424	.420	.354	.330	.332	.330	.340	.362	.385
Production†.....thous. of lb.....	62,966	59,771	67,946	67,755	69,914	46,716	37,730	41,400	48,897	50,041	67,422	87,005	87,005
Shortenings and compounds:†													
Production.....do.....	157,146	139,685	131,754	129,315	138,551	99,867	63,151	78,853	79,921	98,978	117,858	159,623	145,979
Stocks, end of month.....do.....	41,121	41,234	51,391	48,311	51,184	66,178	49,995	63,094	47,086	45,803	36,393	41,887	45,051
PAINT SALES													
Calcimines, plastic-texture and cold-water paints:•													
Calcimines.....thous. of dol.....	64	101	93	89	102	75	90	82	82	71	79	209	209
Plastic-texture paints.....do.....	146	186	254	227	202	235	227	230	198	259	203	209	209
Cold-water paints:													
In dry form.....do.....	420	329	403	352	422	419	407	449	460	385	439	427	427
In paste form for interior use.....do.....	371	286	307	329	348	334	312	355	389	315	235	316	316
Paint, varnish, lacquer, and fillers, total.....do.....	791	615	710	681	770	753	719	804	849	700	624	743	743
Classified, total.....do.....	70,136	73,538	83,788	81,632	92,111	99,516	99,586	92,643	86,806	84,991	86,299	91,529	91,529
Industrial.....do.....	62,483	66,131	74,210	73,273	82,017	89,296	88,756	82,985	77,891	76,944	76,649	82,476	82,476
Trade.....do.....	27,374	30,342	32,405	29,028	32,540	34,338	32,631	31,754	30,035	31,073	31,607	34,588	34,588
Unclassified.....do.....	35,109	35,789	41,804	43,345	49,477	54,959	56,125	51,232	47,856	45,872	45,042	47,918	47,918
Unclassified.....do.....	7,652												

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947										
	November	December	January	February	March	April	May	June	July	August	September	October	November
CHEMICALS AND ALLIED PRODUCTS—Continued													
PLASTIC PRODUCTS													
Shipments and consumption:													
Cellulose acetate and mixed ester plastics: ⊗													
Sheets, rods and tubes.....thous. of lb.	1,073	1,691	1,920	1,481	1,610	1,762	1,689	1,682	1,410	1,479	1,284	1,799	1,462
Molding and extrusion materials.....do.	5,984	7,951	7,657	7,081	6,461	5,357	4,317	3,735	2,779	3,404	4,153	5,105	4,666
Nitrocellulose, sheets, rods, and tubes. ⊗.....do.	1,233	1,506	1,597	1,319	1,229	1,329	1,052	931	892	903	921	1,040	832
Other cellulose plastics*.....do.	810	889	585	451	318	331	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Phenolic and other tar acid resins*.....do.	16,703	20,500	26,981	23,416	26,797	26,285	27,410	27,767	25,949	26,000	27,262	28,129	25,719
Urea and melamine resins*.....do.	6,056	5,768	6,024	6,658	6,401	6,285	6,102	5,645	5,536	5,462	5,723	6,720	5,999
Polystyrene*.....do.	7,216	8,092	7,432	6,964	6,561	7,096	6,854	5,955	5,688	7,075	8,381	10,931	10,593
Vinyl resins*.....do.	15,130	15,387	17,332	13,623	16,998	16,316	13,126	11,546	11,573	12,917	15,125	18,040	16,837
Miscellaneous resins*.....do.	8,289	7,543	8,190	7,809	8,000	8,275	6,435	5,891	5,819	5,567	8,032	7,388	7,073

ELECTRIC POWER AND GAS

ELECTRIC POWER													
Production (utility and industrial), total* mil. of kw.-hr.	23,951	24,876	25,957	23,698	25,544	24,652	25,009	24,469	24,938	25,969	25,634	26,748	26,180
Industrial establishments*.....do.	4,001	4,028	4,321	4,083	4,298	4,148	4,203	4,225	4,156	4,225	4,153	4,410	4,333
By fuels*.....do.	3,682	3,672	3,896	3,683	3,843	3,711	3,809	3,825	3,772	3,892	3,858	4,063	3,950
By water power*.....do.	319	356	425	399	455	437	424	400	383	333	295	348	383
Utilities (for public use), total†.....do.	19,950	20,848	21,636	19,616	21,246	20,504	20,776	20,244	20,782	21,744	21,481	22,338	21,847
By fuels†.....do.	13,670	14,271	14,500	13,261	13,981	13,216	13,387	13,451	14,236	15,690	15,875	16,846	15,763
By water power†.....do.	6,280	6,577	7,136	6,355	7,265	7,287	7,389	6,793	6,546	6,053	5,606	5,492	6,084
Privately and municipally owned utilities.....do.	17,115	17,831	18,545	16,833	18,266	17,661	17,801	17,414	17,847	18,733	18,630	19,540	18,977
Other producers†.....do.	2,835	3,017	3,092	2,783	2,980	2,843	2,975	2,829	2,935	3,011	2,851	2,798	2,870
Sales to ultimate customers, total (Edison Electric Institute)‡ mil. of kw.-hr.	16,933	17,450	18,302	17,783	17,772	17,665	17,610	17,546	17,308	18,099	18,496	19,540	18,977
Residential or domestic.....do.	3,414	3,739	4,149	3,960	3,727	3,572	3,437	3,369	3,307	3,332	3,512	3,811	3,950
Rural (distinct rural rates).....do.	328	302	291	295	320	421	514	558	606	681	607	607	607
Commercial and industrial:													
Small light and power¶.....do.	2,944	3,018	3,175	3,142	3,026	3,070	2,994	3,060	3,123	3,252	3,406	3,606	3,606
Large light and power¶.....do.	8,908	8,832	9,219	8,988	9,285	9,264	9,375	9,356	9,068	9,601	9,724	10,130	10,130
Street and highway lighting¶.....do.	222	236	233	204	200	178	165	154	160	175	193	193	193
Other public authorities¶.....do.	460	600	511	506	491	494	475	475	459	483	490	490	490
Railways and railroads¶.....do.	609	667	674	643	673	618	604	531	538	532	518	518	518
Interdepartmental¶.....do.	49	55	51	46	50	46	46	44	45	44	45	45	45
Revenue from sales to ultimate customers (Edison Electric Institute)§.....thous. of dol.	300,599	311,020	326,460	320,174	313,074	310,762	310,025	309,631	305,855	315,590	325,639	341,540	341,540
GAS†													
Manufactured and mixed gas (quarterly):													
Customers, end of quarter, total.....thousands	11,411	11,411	11,411	11,224	11,224	11,224	11,258	11,258	11,258	11,058	11,058	11,058	11,058
Residential (incl. house-heating).....do.	10,687	10,687	10,687	10,502	10,502	10,502	10,536	10,536	10,536	10,350	10,350	10,350	10,350
Industrial and commercial.....do.	714	714	714	713	713	713	713	713	713	700	700	700	700
Sales to consumers, total.....mil. of cu. ft.	146,400	146,400	146,400	146,400	146,400	146,400	146,400	146,400	146,400	146,400	146,400	146,400	146,400
Residential.....do.	98,474	98,474	98,474	98,474	98,474	98,474	98,474	98,474	98,474	98,474	98,474	98,474	98,474
Industrial and commercial.....do.	46,171	46,171	46,171	46,171	46,171	46,171	46,171	46,171	46,171	46,171	46,171	46,171	46,171
Revenue from sales to consumers, total.....thous. of dol.	130,155	130,155	130,155	130,155	130,155	130,155	130,155	130,155	130,155	130,155	130,155	130,155	130,155
Residential (incl. house-heating).....do.	97,743	97,743	97,743	97,743	97,743	97,743	97,743	97,743	97,743	97,743	97,743	97,743	97,743
Industrial and commercial.....do.	31,345	31,345	31,345	31,345	31,345	31,345	31,345	31,345	31,345	31,345	31,345	31,345	31,345
Natural gas (quarterly):													
Customers, end of quarter, total.....thousands	9,478	9,478	9,478	9,739	9,739	9,739	9,772	9,772	9,772	9,772	9,772	9,772	9,772
Residential (incl. house-heating).....do.	8,812	8,812	8,812	8,999	8,999	8,999	9,051	9,051	9,051	9,051	9,051	9,051	9,051
Industrial and commercial.....do.	661	661	661	734	734	734	715	715	715	715	715	715	715
Sales to consumers, total.....mil. of cu. ft.	573,015	573,015	573,015	573,015	573,015	573,015	573,015	573,015	573,015	573,015	573,015	573,015	573,015
Residential (incl. house-heating).....do.	499,527	499,527	499,527	499,527	499,527	499,527	499,527	499,527	499,527	499,527	499,527	499,527	499,527
Industrial and commercial.....do.	400,262	400,262	400,262	400,262	400,262	400,262	400,262	400,262	400,262	400,262	400,262	400,262	400,262
Revenue from sales to consumers, total.....thous. of dol.	188,587	188,587	188,587	188,587	188,587	188,587	188,587	188,587	188,587	188,587	188,587	188,587	188,587
Residential (incl. house-heating).....do.	101,216	101,216	101,216	101,216	101,216	101,216	101,216	101,216	101,216	101,216	101,216	101,216	101,216
Industrial and commercial.....do.	85,289	85,289	85,289	85,289	85,289	85,289	85,289	85,289	85,289	85,289	85,289	85,289	85,289

FOODSTUFFS AND TOBACCO

ALCOHOLIC BEVERAGES													
Fermented malt liquors:†													
Production.....thous. of bbl.	6,611	7,219	6,917	5,761	6,836	7,435	7,985	8,342	9,044	8,833	8,738	9,064	6,650
Tax-paid withdrawals.....do.	6,525	6,541	5,985	5,544	6,277	7,029	7,512	7,939	8,776	8,842	8,369	8,303	6,126
Stocks, end of month.....do.	8,169	8,547	9,140	9,067	9,326	9,399	9,531	9,565	9,453	9,050	9,021	9,414	9,647
Distilled spirits:													
Apparent consumption for beverage purposes†													
Imports§.....thous. of wine gal.	19,933	19,739	14,871	13,455	13,730	11,974	12,173	11,392	12,283	12,738	14,216	23,893	23,893
Production†.....thous. of tax gal.	1,447	1,219	725	817	791	751	1,125	1,071	834	797	1,173	1,414	1,414
Tax-paid withdrawals†.....do.	21,511	31,681	38,495	34,702	32,747	27,588	21,854	16,429	13,726	14,187	22,218	39,559	7,735
Stocks, end of month†.....do.	12,792	12,156	12,511	10,073	9,806	8,647	6,130	6,039	5,650	7,171	8,639	16,497	16,030
Whisky:													
Imports§.....thous. of proof gal.	1,033	873	582	713	708	712	1,071	1,002	793	757	1,102	1,310	1,310
Production†.....thous. of tax gal.	7,836	19,792	24,674	21,434	19,272	17,201	14,143	9,932	7,197	7,229	9,790	9,732	56
Tax-paid withdrawals†.....do.	6,435	5,782	5,860	4,635	4,559	4,442	3,185	3,280	2,975	3,272	4,258	7,770	7,819
Stocks, end of month†.....do.	380,551	391,597	408,896	423,844	437,614	449,335	450,217	464,825	468,432	471,273	474,956	474,507	463,407

† Revised. † Not available for publication. § Data continue series published in the 1942 Supplement; data for December 1941-February 1945 will be published later.
 ¶ For 1943-44 revisions for the indicated series see notes at bottom of pp. S-23 and S-24 of the May 1945 Survey.
 ⊗ Data for sheets, rods and tubes are comparable with similar data in the 1942 Supplement; see note in September 1946 Survey regarding change in data for molding, etc. materials.
 * New series. For data for 1939-45 for production of electricity by industrial establishments see p. 32 of the February 1947 Survey; minor revisions for January to October 1946 will be shown later. The new series for plastic products are from the Bureau of the Census and include all known producers; earlier figures and a description of the data will be published later.
 † Revised series. Gas statistics are shown on a revised basis beginning in the December 1946 Survey; see note in that issue. For revised figures for the indicated series on electric power production, except the series for "other producers," see p. 32 of the February 1947 Survey; minor revisions for January to October 1946 will be published later. See note marked "†" on p. S-26 of the September 1947 Survey for reference to revisions for 1940-45 for consumption of distilled spirits for beverage purposes and for the fiscal years 1941-46 for the other alcoholic beverage series; the note also explains a change in the series for stocks of distilled spirits; see p. S-23 for tax-paid withdrawals of ethyl alcohol, which are largely for beverage purposes.

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947									
	November	December	January	February	March	April	May	June	July	August	September	October	November

FOODSTUFFS AND TOBACCO—Continued

ALCOHOLIC BEVERAGES—Continued													
Rectified distilled spirits, production, total† thous. of proof gal.	15,155	14,045	13,837	11,144	10,648	9,349	6,706	7,021	7,831	8,083	9,689	16,480	17,593
Whisky.....do.	13,527	12,300	12,528	10,139	9,621	8,673	6,154	6,522	7,012	7,522	8,965	15,126	16,254
Wines and distilling materials:													
Sparkling wines:													
Imports\$.....thous. of wine gal.	85	84	20	7	9	9	13	12	9	9	21	28	-----
Production†.....do.	184	192	192	152	226	221	130	146	74	48	36	29	-----
Tax-paid withdrawals†.....do.	235	181	68	49	75	51	62	44	51	64	84	155	-----
Stocks, end of month†.....do.	1,326	1,315	1,429	1,522	1,665	1,826	1,882	1,975	1,990	1,964	1,911	1,774	-----
Still wines:													
Imports\$.....do.	470	331	255	232	265	171	129	129	99	117	194	175	-----
Production○.....do.	20,900	3,639	1,099	862	535	466	390	300	383	2,479	31,575	53,331	-----
Tax-paid withdrawals†.....do.	11,563	9,883	7,400	5,577	6,629	5,960	5,682	6,249	6,627	6,680	8,180	11,431	-----
Stocks, end of month†.....do.	216,776	205,408	197,314	190,143	181,179	174,584	168,710	160,211	152,534	146,660	171,239	215,860	-----
Distilling materials produced at wineries○.....do.	56,726	9,968	1,743	1,303	3,279	1,580	1,040	661	1,867	7,948	49,423	96,627	-----
DAIRY PRODUCTS													
Butter, creamery:													
Price, wholesale, 92-score (N. Y.)†.....dol. per lb.	.816	.822	.666	.709	.696	.631	.613	.633	.674	.745	.802	.718	.794
Production (factory)†.....thous. of lb.	82,392	89,160	97,540	91,815	110,485	116,530	146,455	157,120	148,790	116,550	101,310	91,890	69,185
Stocks, cold storage, end of month○.....do.	41,477	27,874	18,224	9,988	7,818	9,194	17,445	51,625	83,286	88,364	76,912	72,125	46,101
Cheese:													
Imports\$.....do.	1,384	1,304	652	389	487	455	355	401	459	647	615	1,139	-----
Price, wholesale, American Cheddars (Wisconsin) dol. per lb.	.449	.399	.383	.370	(1)	.338	.298	(1)	.338	.345	.365	.386	.391
Production, total (factory)†.....thous. of lb.	71,127	69,214	74,055	76,680	100,160	115,540	144,015	152,125	136,425	110,140	92,670	82,720	61,720
American whole milk†.....do.	51,665	51,115	55,315	58,540	77,485	91,655	118,455	125,815	113,505	89,610	74,480	64,170	44,520
Stocks, cold storage, end of month○.....do.	123,435	123,592	114,606	98,053	93,427	113,854	133,495	161,363	185,202	202,597	193,849	176,626	162,870
American whole milk.....do.	92,422	93,873	87,459	74,795	71,757	88,737	106,479	130,005	151,661	169,671	164,651	151,455	139,858
Condensed and evaporated milk:													
Exports\$:													
Condensed.....do.	3,634	15,580	8,911	4,273	4,694	7,275	7,549	8,562	9,201	8,161	10,316	15,726	-----
Evaporated.....do.	39,791	46,037	28,828	23,324	25,355	23,534	39,517	42,862	42,071	41,394	53,022	70,499	-----
Prices, wholesale, U. S. average: Condensed (sweetened).....dol. per case	8.25	8.25	8.25	8.25	8.28	8.27	8.26	8.26	8.26	8.26	8.26	8.40	8.80
Evaporated (unsweetened).....do.	5.88	5.88	5.86	5.72	5.64	5.42	5.23	5.18	5.19	5.20	5.24	5.31	5.52
Production:													
Condensed (sweetened):													
Bulk goods*.....thous. of lb.	30,146	33,956	34,160	38,695	56,340	82,800	111,875	116,620	76,555	31,540	22,470	20,430	12,200
Case goods†.....do.	6,461	6,849	7,925	7,200	8,610	11,850	13,000	12,950	15,025	17,150	21,100	19,500	12,650
Evaporated (unsweetened), case goods†.....do.	167,667	183,929	205,000	209,700	269,000	320,500	416,200	410,000	347,600	257,400	218,000	200,500	152,500
Stocks, manufacturers', end of month: Condensed (sweetened).....thous. of lb.	8,701	5,230	4,923	4,546	5,450	5,279	6,387	7,196	9,477	10,561	11,333	9,463	8,501
Evaporated (unsweetened).....do.	148,210	129,464	130,902	117,497	118,926	148,266	278,814	440,952	501,177	471,600	379,712	285,450	223,940
Fluid milk:													
Price, dealers', standard grade.....dol. per 100 lb.	4.87	4.96	4.94	4.74	4.68	4.63	4.46	4.41	4.48	4.60	4.71	4.87	4.97
Production†.....mil. of lb.	8,297	8,529	8,911	8,491	9,870	10,472	12,260	12,864	12,148	10,644	9,313	8,920	8,099
Utilization in manufactured dairy products† mil. of lb.	2,845	3,020	3,294	3,202	3,955	4,358	5,509	5,814	5,344	4,223	3,654	3,319	2,478
Dried skim milk:													
Exports\$:													
Price, wholesale, for human consumption, U. S. average.....dol. per lb.	.147	.145	.131	.114	.100	.100	.094	.096	.095	.097	.102	.111	.124
Production, total†.....thous. of lb.	25,500	37,233	47,000	52,280	69,355	77,390	91,665	102,020	81,830	51,925	41,000	31,935	22,850
For human consumption†.....do.	25,091	36,624	46,200	51,230	67,200	75,040	88,200	96,730	78,500	49,450	39,740	31,000	22,320
Stocks, manufacturers', end of month, total thous. of lb.	34,809	29,543	45,947	61,886	80,236	78,047	102,973	114,439	94,980	76,622	50,487	36,203	21,070
For human consumption.....do.	32,786	28,299	45,600	61,213	79,126	76,646	100,888	110,775	91,028	74,030	48,813	35,359	20,450
FRUITS AND VEGETABLES													
Apples:													
Production (crop estimate).....thous. of bu.	2 119,410	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	3 112,503
Shipments, carlot.....no. of carloads	7,014	6,767	5,894	5,222	3,625	2,347	1,687	627	1,428	783	6,214	8,614	5,571
Stocks, cold storage, end of month.....thous. of bu.	33,413	27,344	19,379	12,944	7,593	3,954	1,544	329	219	264	10,435	34,322	35,046
Citrus fruits, carlot shipments.....no. of carloads	15,645	19,802	21,234	17,032	11,391	18,216	17,774	13,857	9,429	9,027	7,403	10,430	13,208
Frozen fruits, stocks, cold storage, end of month thous. of lb.	497,802	470,710	439,226	403,664	367,013	319,718	327,700	332,345	374,363	408,119	402,821	405,838	390,297
Frozen vegetables, stocks, cold storage, end of month.....thous. of lb.	351,474	333,084	320,307	296,588	276,099	247,795	230,827	251,687	307,574	326,603	353,239	347,466	324,620
Potatoes, white:													
Price, wholesale (N. Y.).....dol. per 100 lb.	2.312	2.495	2.538	2.638	3.006	3.490	3.812	4.106	(1)	(1)	(1)	(1)	(1)
Production (crop estimate)†.....thous. of bu.	2 484,174	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	3 384,407
Shipments, carlot.....no. of carloads	21,976	17,251	20,798	21,830	30,138	26,782	23,713	25,272	22,313	19,028	25,187	25,504	19,960
GRAINS AND GRAIN PRODUCTS													
Exports, principal grains, including flour and meal\$ thous. of bu.													
Barley:	26,987	35,135	33,245	41,672	48,528	48,397	50,030	38,889	35,782	34,440	31,386	28,328	-----
Exports, including malt\$.....do.	489	435	271	572	624	797	1,226	1,297	1,485	856	783	870	-----
Prices, wholesale (Minneapolis):													
No. 2, malting.....dol. per bu.	1.721	1.768	1.775	1.764	1.914	1.922	2.010	2.136	2.259	2.299	2.276	2.379	2,590
No. 3, straight.....do.	1.616	1.689	1.698	1.642	1.838	1.806	1.896	2.032	2.130	2.143	2.117	2,218	2,426
Production (crop estimate)†.....thous. of bu.	2 262,258	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	3 279,182
Receipts, principal markets.....do.	8,026	9,214	10,241	4,806	7,242	9,625	8,449	8,252	7,974	27,119	25,093	14,605	12,111
Stocks, domestic, end of month:													
Commercial.....do.	24,510	20,985	20,608	19,313	14,108	10,816	8,869	7,753	5,593	14,263	27,444	29,679	27,846
On farms*.....do.	-----	110,000	-----	-----	66,818	-----	-----	30,000	-----	-----	165,594	-----	-----

† Revised. 1 No quotation. 2 Revised estimate. 3 December 1 estimate.
 §See note in June 1945 Survey for explanation of this price series. ¶See note marked "§" on p. S-29.
 ○Distilling materials produced at wineries, shown separately above, were combined with production of still wines as shown in the Survey through the February 1947 issue.
 ●Data continue series published in the 1942 Supplement but suspended during the war period; data for October 1941-February 1945 will be published later.
 * Revised 1943 data are on p. 13 of the March 1945 Survey; see note on item in February 1945 issue regarding earlier data; 1944-46 revisions are on p. 23 of October 1947 Survey.
 † New series. Data beginning 1936 will be shown later; the June figure includes old crop only.
 ‡ Revised series. See note marked "†" on p. S-26 of the September 1947 Survey for reference to revised figures for fiscal years 1941-46 for the indicated alcoholic beverage series. Revisions for all months of the fiscal year 1947 are shown on p. S-27 of the November 1947 Survey. See notes marked "†" on pp. S-25 and S-26 of the April 1946 Survey for references to 1941-43 revisions for the indicated series for manufactured dairy products; data for 1944-45 for these series and for utilization of milk in manufactured dairy products are shown on p. 16 of the April 1946 Survey but there have been further revisions in the 1944 and 1945 figures for total cheese and 1945 figures for dry skim milk; these revisions and preliminary revisions for all months of 1946 are shown on p. 23 of the October 1947 Survey; revisions for 1920-43 for utilization of milk in manufactured dairy products will also be shown later. January 1940-December 1945 revisions for milk production are on p. 19 of the April 1947 Survey. Revised estimates of potato crop and barley for 1929-44 are available on request.

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947									
	November	December	January	February	March	April	May	June	July	August	September	October	November

FOODSTUFFS AND TOBACCO—Continued

GRAINS AND GRAIN PRODUCTS—Con.													
Corn:													
Exports, including meal\$.....thous. of bu...	487	2,076	4,828	8,469	8,045	15,421	19,970	13,104	11,322	3,909	1,374	1,037	10,831
Grindings, wet process.....do.....	12,198	12,313	12,705	11,701	12,245	12,091	12,385	11,794	11,635	11,083	11,100	11,387	10,831
Prices, wholesale:													
No. 3, white (Chicago).....dol. per bu...	1.750	1.497	1.431	1.511	1.742	1.784	1.790	2.143	(1)	2.740	2.583	2.508	2.465
No. 3, yellow (Chicago).....do.....	1.392	1.340	1.332	1.419	1.731	1.782	1.779	2.097	2.169	2.346	2.513	2.403	2.423
Weighted average, 5 markets, all grades.....do.....	1.309	1.245	1.206	1.307	1.594	1.694	1.677	1.948	1.995	2.295	2.370	2.277	2.345
Production (crop estimate)†.....mil. of bu...	3,250.0	3,443.3	49.9	43.6	48.2	38.8	38.7	40.2	39.1	22.8	22.6	21.1	2,401.0
Receipts, principal markets.....do.....	40.6	44.3	49.9	43.6	48.2	38.8	38.7	40.2	39.1	22.8	22.6	21.1	2,401.0
Stocks, domestic, end of month:													
Commercial.....do.....	14.8	27.9	31.7	34.5	37.4	29.1	16.3	11.2	11.8	7.7	7.9	7.3	11.6
On farms†.....do.....	2,165.8				1,294.7			687.8		4,258.3			
Oats:													
Exports, including oatmeal\$.....thous. of bu...	2,517	1,703	797	323	1,187	656	775	1,343	1,513	866	608	598	
Price, wholesale, No. 3, white (Chicago).....dol. per bu...	.854	.825	.837	.836	.943	.923	.988	1.021	.952	1.014	1.161	1.201	1.241
Production (crop estimate)†.....mil. of bu...	1,509.9	11.3	11.5	9.4	14.7	12.9	14.2	12.2	16.2	29.2	22.5	16.7	1,216.0
Receipts, principal markets.....do.....	11.4	11.3	11.5	9.4	14.7	12.9	14.2	12.2	16.2	29.2	22.5	16.7	7.4
Stocks, domestic, end of month:													
Commercial.....do.....	14.2	9.2	7.4	6.2	6.3	5.4	4.6	5.0	5.6	15.9	26.6	27.8	22.1
On farms†.....do.....	898.8				536.8			4,259.1		977.5			
Rice:													
Exports\$.....thous. of lb...	114,533	160,842	78,154	170,845	58,220	84,858	57,142	49,624	22,897	21,592	53,642	118,889	
Imports\$.....do.....	155	6	133	2	8	203	163	3	1	2	204	1,236	
Price, wholesale, head, clean (N. O.).....dol. per lb...	.086	.090	.090	.090	.090	.089	.090	.090	.126	.125	.125	(1)	(1)
Production (crop estimate)†.....thous. of bu...	72,216												79,345
California:													
Receipts, domestic, rough.....thous. of bags (100 lb.)...	902	860	863	759	792	594	583	300	207	41	75	1,490	877
Shipments from mills, milled rice.....do.....	704	704	602	557	393	478	496	242	154	152	69	443	449
Stocks, rough and cleaned (in terms of cleaned), end of month.....thous. of bags (100 lb.)...	453	328	327	284	410	329	233	171	169	59	41	536	639
Southern States (La., Tex., Ark., Tenn.):													
Receipts, rough, at mills.....thous. of bbl. (162 lb.)...	2,573	1,342	669	422	207	133	83	107	99	573	3,306	5,790	2,644
Shipments from mills, milled rice.....thous. of pockets (100 lb.)...	2,754	1,765	1,807	1,452	1,130	681	515	246	477	309	1,784	3,051	2,889
Stocks, domestic, rough and cleaned (in terms of cleaned), end of month.....thous. of pockets (100 lb.)...	4,654	4,378	3,403	2,440	1,568	1,048	615	476	119	393	2,002	4,863	4,755
Rye:													
Price, wholesale, No. 2 (Minneapolis).....dol. per bu...	2.676	2.793	2.857	3.108	3.539	3.108	3.192	3.029	2.541	2.466	2.817	2.853	2.824
Production (crop estimate)†.....thous. of bu...	18,879												25,977
Receipts, principal markets.....do.....	692	596	469	322	354	238	138	102	177	2,634	2,084	1,366	512
Stocks, commercial, domestic, end of month.....do.....	2,143	2,476	2,465	2,336	2,139	1,878	1,358	1,024	556	2,214	3,824	4,262	4,427
Wheat:													
Disappearance, domestic†.....do.....		307,625			334,145			224,944			348,515		
Exports, wheat, including flour\$.....do.....	23,369	30,920	27,349	32,309	38,673	31,523	28,060	22,776	21,462	28,807	28,426	25,079	
Wheat only\$.....do.....	11,563	14,995	11,141	12,694	17,555	13,277	9,111	4,006	7,065	16,863	17,805	14,375	
Prices, wholesale:													
No. 1, Dark Northern Spring (Minneapolis).....dol. per bu...	2.331	2.265	2.248	2.314	2.715	2.638	2.677	2.719	2.935	2.710	2.840	3.167	3.231
No. 2, Red Winter (St. Louis).....do.....	2.250	2.324	2.331	2.395	2.811	2.745	2.705	2.587	2.368	2.384	2.704	2.952	3.020
No. 2, Hard Winter (Kansas City).....do.....	2.104	2.072	2.090	2.261	2.694	2.676	2.693	2.373	2.288	2.318	2.646	2.953	2.999
Weighted av., 6 mkt., all grades.....do.....	2.227	2.169	2.175	2.279	2.671	2.616	2.637	2.563	2.400	2.472	2.801	3.093	3.154
Production (crop estimate)†.....mil. of bu...	1,153.0												1,364.9
Spring wheat.....do.....	282.3												296.9
Winter wheat.....do.....	870.7												1,068.0
Receipts, principal markets.....thous. of bu...	36,581	33,868	38,254	38,716	35,030	37,807	26,345	26,156	121,869	91,847	72,625	68,872	43,297
Stocks, end of month:													
Canada (Canadian wheat).....do.....	152,631	144,849	131,889	119,006	109,849	93,964	80,514	70,405	55,395	58,655	113,863	146,292	130,639
United States, domestic, total†.....do.....	642,685				308,563			483,623			1,141,869		
Commercial.....do.....	85,512	56,256	48,432	44,745	32,838	24,440	15,803	4,812	114,913	167,718	175,069	166,359	152,400
Country mills and elevator†.....do.....		118,991			61,010			9,976			197,821		
Merchant mills.....do.....		96,779			71,957			24,591			136,216		
On farms†.....do.....		366,255			139,855			40,427			628,773		
Wheat flour:													
Exports\$.....thous. of bbl...	2,512	3,388	3,449	4,173	4,493	3,882	4,032	3,994	3,063	2,541	2,260	2,278	
Grindings of wheat⊗.....thous. of bu...	57,690	60,647	64,575	57,162	63,301	56,818	55,744	55,462	57,031	59,619	56,720	60,393	54,188
Prices, wholesale:													
Standard patents (Minneapolis).....dol. per bbl...	10.95	11.61	11.52	11.62	13.66	13.17	12.74	12.60	13.27	12.72	13.57	14.56	14.97
Winter, straights (Kansas City).....do.....	10.38	10.90	11.10	11.42	12.99	12.97	12.39	11.03	10.77	10.97	12.03	13.13	13.51
Production (Census)⊗.....thous. of bbl...	12,749	13,368	14,238	12,609	13,991	12,604	12,445	12,332	12,713	13,233	12,646	13,432	12,080
Operations, percent of capacity.....do.....	89.1	89.5	92.3	93.2	91.4	82.3	81.1	83.9	83.2	86.4	85.8	84.3	89.4
Ofal.....mil. of lb...	986	1,044	1,113	983	1,091	967	930	928	944	996	948	1,012	900
Stocks held by mills, end of month⊗.....thous. of bbl...		3,216			2,842			2,237			2,523		
LIVESTOCK													
Livestock slaughtered (Federally inspected):													
Calves.....thous. of animals...	656	591	591	521	644	678	627	621	656	628	719	813	762
Cattle.....do.....	1,348	1,352	1,403	1,143	1,228	1,203	1,264	1,207	1,274	1,217	1,407	1,497	1,337
Hogs.....do.....	5,434	5,133	5,844	3,897	3,466	3,616	3,831	3,653	3,465	2,731	2,948	3,978	5,501
Sheep and lambs.....do.....	1,529	1,346	1,542	1,271	1,237	1,322	1,355	1,329	1,280	1,253	1,458	1,697	1,471
Cattle and calves:													
Receipts, principal markets.....thous. of animals...	2,875	2,447	2,404	1,950	2,290	2,183	2,154	2,384	2,435	2,259	3,199	3,353	2,617
Shipments, feeder, to 8 corn belt States†.....do.....	445	233	154	98	161	131	100	120	157	198	395	621	321
Prices, wholesale:													
Steers, beef (Chicago).....dol. per 100 lb...	23.64	23.19	22.16	21.94	23.30	22.93	24.06	25.87	27.85	28.84	29.54	29.82	29.52
Steers, stocker and feeder (Kansas City).....do.....	16.30	17.63	17.68	18.96	20.13	19.91	21.33	21.11	21.91	21.22	21.65	20.96	21.32
Calves, vealers (Chicago).....do.....	18.38	18.20	22.13	22.88	22.90	20.38	23.63	24.00	22.94	22.63	24.00	25.38	25.81

* Revised. 1 No quotation. 2 Revised estimate. 3 December 1 estimate.
 † Includes old crop only; new corn not reported in stock figures until crop year begins in October and new oats and wheat until crop year begins in July.
 ⊗ Data continue series published in the 1942 Supplement but suspended during the war period; data for October 1941-February 1945 will be published later.
 ‡ The total includes wheat owned by the Commodity Credit Corporation stored off farms in its own steel and wooden bins not included in the break-down of stocks.
 † Revised series. The indicated grain series have been revised as follows: Crop estimate for oats, 1932-44, and rice, 1937-44; other crop estimates, 1929-44; domestic disappearance of wheat and stocks of wheat in country mills and elevators, 1934-44; corn, oat and wheat stocks on farms and total United States stocks of domestic wheat, 1926-44; all revisions are available on request. See p. S-27 of the August 1943 Survey for revised figures for 1941-42 for feeder shipments of cattle and calves.
 ⊗ Data for June 1947 and previous months were reported by approximately 1,100 mills believed to account for about 98 percent of the industry; later data are estimated from monthly reports of 425 mills with a daily 24-hour capacity of 401 sacks or more of flour.

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947										
	November	December	January	February	March	April	May	June	July	August	September	October	November
FOODSTUFF AND TOBACCO—Continued													
LIVESTOCK—Continued													
Hogs:													
Receipts, principal markets... thous. of animals...	3,244	2,993	3,469	2,304	2,017	2,245	2,270	2,329	2,206	1,774	1,943	2,305	3,303
Prices:													
Wholesale, average, all grades (Chicago) dol. per 100 lb...	24.07	22.87	22.45	25.70	27.10	23.49	22.24	22.06	22.11	23.74	26.66	27.81	24.96
Hog-corn ratio†	18.0	18.6	18.0	19.4	17.6	14.9	14.4	12.6	11.7	11.1	11.3	12.4	11.1
bu. of corn per 100 lb. of live hogs...													
Sheep and lambs:													
Receipts, principal markets... thous. of animals...	1,966	1,495	1,669	1,406	1,293	1,506	1,713	1,982	1,677	1,688	2,452	2,871	1,833
Shipments, feeder, to 8 corn belt States... do...	304	121	198	198	133	136	797	134	166	283	556	677	393
Prices, wholesale:													
Lambs, average (Chicago)... dol. per 100 lb...	22.25	23.25	23.25	23.12	23.12	21.25	21.62	24.25	22.75	20.25	22.50	22.62	22.75
Lambs, feeder, good and choice (Omaha)-do...	17.77	18.00	19.45	20.18	21.22	19.56	(1)	(1)	(1)	21.31	22.60	21.05	20.98
MEATS													
Total meats (including lard):													
Exports\$... mil. of lb...	32	40	42	58	56	57	91	57	40	50	68	49	-----
Production (inspected slaughter)... do...	1,742	1,724	1,954	1,434	1,393	1,438	1,525	1,490	1,509	1,289	1,356	1,556	1,740
Stocks, cold storage, end of month@♂... do...	442	623	854	854	857	843	797	772	743	636	506	480	587
Edible offal@... do...	39	56	68	68	71	67	67	69	67	59	56	51	56
Miscellaneous meats and meat products@ mil. of lb...	26	36	54	57	64	67	63	50	40	36	29	27	27
Beef and veal:													
Exports\$... thous. of lb...	532	828	3,475	8,377	7,024	17,401	42,376	30,819	19,564	15,261	23,880	8,254	-----
Price, wholesale, beef, fresh, native steers (Chicago) dol. per lb...	.409	.415	.384	.362	.371	.370	.376	.408	.434	.469	.482	.466	.466
Production (inspected slaughter)... thous. of lb...	689,827	705,974	757,702	631,697	681,465	679,933	705,739	670,038	702,877	650,486	749,027	792,883	707,751
Stocks, cold storage, end of month@♂... do...	111,091	169,271	192,660	195,820	201,209	175,724	144,538	114,568	101,732	106,179	92,781	112,290	146,489
Lamb and mutton:													
Production (inspected slaughter)... do...	64,591	58,723	68,215	57,380	57,648	60,737	60,183	54,823	53,172	52,007	60,043	69,891	60,790
Stocks, cold storage, end of month@♂... do...	15,696	16,803	17,114	16,554	14,110	10,808	9,563	9,348	8,085	7,837	6,645	11,893	16,980
Pork including lard, production (inspected slaughter) thous. of lb...	987,245	959,053	1,128,378	745,090	653,686	697,129	758,646	756,848	753,173	586,369	547,045	693,312	991,957
Pork, excluding lard:													
Exports\$... do...	1,305	6,635	5,040	3,768	6,587	7,173	15,010	4,684	1,955	4,401	2,884	2,412	-----
Prices, wholesale:													
Hams, smoked (Chicago) dol. per lb...	.554	2.522	2.509	2.529	2.614	2.546	2.554	2.572	2.599	2.641	2.664	2.589	2.551
Fresh loins, 8-10 lb. average (New York) do...	.512	.404	.427	.509	.505	.508	.531	.529	.552	.593	.622	.564	.480
Production (inspected slaughter)... thous. of lb...	757,765	728,500	827,411	555,330	484,593	521,406	561,155	556,305	550,620	438,482	417,926	539,982	759,222
Stocks, cold storage, end of month@♂... do...	209,946	276,232	399,473	399,317	397,794	394,421	364,531	352,814	331,746	264,124	195,896	187,971	270,209
Lard:													
Exports\$... do...	16,647	20,521	25,074	38,760	37,884	28,041	28,728	17,304	13,370	25,621	34,620	331,132	-----
Price, wholesale, refined (Chicago) dol. per lb...	.392	(1)	.260	.298	.338	.300	.198	.195	.182	.176	.232	.285	.302
Production (inspected slaughter)... thous. of lb...	167,381	168,326	220,245	138,683	123,637	128,445	144,207	146,690	148,100	108,114	94,015	111,619	154,639
Stocks, cold storage, end of month@♂... do...	40,623	68,756	122,988	117,567	109,264	127,680	148,663	175,269	193,736	162,565	125,579	90,437	70,021
POULTRY AND EGGS													
Poultry:													
Price, wholesale, live fowls (Chicago) dol. per lb...	.242	.266	.242	.266	.299	.292	.275	.244	.240	.235	.242	.236	.216
Receipts, 5 markets... thous. of lb...	72,952	65,114	27,631	23,641	27,199	26,255	33,063	34,800	40,474	37,316	51,774	61,637	78,087
Stocks, cold storage, end of month@♂... do...	301,030	316,577	316,792	283,825	242,485	208,256	187,717	171,260	174,627	183,024	205,653	277,870	316,743
Eggs:													
Dried, production*... do...	2,585	3,946	11,744	12,749	11,031	9,067	14,464	14,610	9,310	1,324	158	226	330
Price, wholesale, U. S. standards (Chicago)* dol. per doz...	.406	.388	.388	.378	.418	.425	.409	.414	.434	.422	.450	.464	.455
Production†... millions...	3,110	3,765	4,568	4,813	6,171	6,328	6,146	5,202	4,539	3,832	3,383	3,457	3,291
Stocks, cold storage, end of month@♂... do...													
Shell... thous. of cases...	1,717	767	287	221	508	1,742	3,452	4,203	4,268	3,807	2,804	1,818	814
Frozen... thous. of lb...	132,664	102,437	80,800	73,564	98,718	153,876	202,245	237,303	241,573	234,434	216,762	189,596	164,245
MISCELLANEOUS FOOD PRODUCTS													
Candy, sales by manufacturers... thous. of dol...	56,287	56,850	56,850	53,439	58,249	55,919	52,005	43,684	36,258	42,059	63,089	84,539	76,085
Cocoa or cacao beans:													
Imports\$... long tons...	12,237	25,027	46,248	20,390	15,382	38,078	18,859	20,376	13,627	19,598	17,513	12,645	-----
Price, wholesale, accra (N. Y.)\$ dol. per lb...	.191	.245	.259	.266	.280	.288	.282	.301	.327	.345	.404	.495	.510
Coffee:													
Clearances from Brazil, total... thous. of bags...	1,416	1,178	1,524	1,109	1,341	1,184	756	1,057	912	1,425	1,570	1,412	1,595
To United States... do...	946	729	1,081	721	818	677	225	545	564	1,018	1,117	903	1,138
Imports\$... do...	1,612	1,716	2,103	1,804	1,663	2,044	973	776	1,069	1,153	1,818	1,870	-----
Price, wholesale, Santos, No. 4 (New York) dol. per lb...	.263	.264	.269	.272	.277	.258	.237	.253	.256	.264	.272	.270	.272
Visible supply, United States... thous. of bags...	2,080	1,584	1,385	1,467	1,335	1,357	1,222	1,132	1,000	1,056	1,128	1,288	1,110
Fish:													
Landings, fresh fish, 4 ports... thous. of lb...	35,025	24,645	15,365	17,003	29,103	30,725	34,868	45,805	47,716	57,745	-----	-----	-----
Stocks, cold storage, end of month... do...	158,486	152,803	127,381	97,939	78,242	70,202	79,733	90,158	110,611	132,930	135,870	140,070	142,102
Sugar:													
Cuban stocks, raw, end of month† thous. of Span. tons...	553	342	373	1,019	2,109	3,292	3,887	3,642	2,991	2,591	2,238	1,121	813
United States:													
Deliveries and supply (raw value):*													
Deliveries, total... short tons...	481,743	456,566	498,073	330,256	624,282	509,612	522,621	998,180	826,310	800,184	740,720	902,939	561,575
For domestic consumption... do...	473,999	418,790	482,722	299,237	598,188	497,223	484,691	986,411	778,978	792,920	730,790	887,347	556,670
For export... do...	7,744	37,776	15,351	31,119	26,094	12,389	37,930	11,769	47,332	7,264	9,930	15,592	4,905
Production and receipts:													
Entries from off-shore areas... do...	223,781	257,017	243,687	335,229	568,794	605,349	655,186	544,243	719,956	605,075	465,489	459,202	443,968
Production, cane and beet... do...	642,633	437,471	106,885	49,365	22,114	14,634	16,512	34,590	38,992	86,749	132,019	534,233	-----
Stocks, raw and refined, end of month thous. of short tons...	1,210	1,442	1,317	1,384	1,316	1,426	1,598	1,148	1,105	1,001	861	911	-----

* Revised. † No quotation. ‡ Prices beginning December not strictly comparable with earlier data; comparable figure for November 1946, 0.545.
 § Data continue series shown in the 1942 Supplement but suspended during the war period; unpublished data beginning October 1941 will be shown later.
 ♂ Cold storage stocks of dairy products (p. S-27) meats, poultry, and eggs include stocks owned by the U. S. Dept. of Agriculture and other Government agencies, stocks held for Armed Forces stored in warehouse space not owned or operated by them and commercial stocks; stocks held in space owned or leased by the Armed Forces are not included.
 ¶ See note in May 1946 regarding changes in the indicated series made in that issue and an earlier change beginning June 1944.
 • Data are from the U. S. Department of Labor. Quotations since July 1943 have been for U. S. Standards; they are approximately comparable with earlier data for fresh firsts.
 † For data for December 1941-July 1942 see note in November 1943 Survey.
 ‡ New series. Data for 1927-43 for dried eggs are on p. 20 of the March 1945 Survey. See note in April 1945 Survey for description of the new sugar series.
 § Revised series. The hog-corn ratio has been shown on a revised basis beginning in the March 1943 Survey; revisions for 1913-41 will be shown later. See p. S-27 of the August 1943 Survey or 1941-42 revisions for feeder shipments of sheep and lambs and p. 24 of June 1947 issue for 1940-45 revisions for egg production.

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947										
	November	December	January	February	March	April	May	June	July	August	September	October	November
FOODSTUFFS AND TOBACCO—Continued													
MISCELLANEOUS FOOD PRODUCTS—Con.													
Sugar—Continued													
United States—Continued													
Exports, refined sugar \$.....short tons..	6, 734	24, 968	22, 095	15, 221	34, 027	10, 956	29, 826	14, 032	11, 660	8, 695	6, 914	13, 784	-----
Imports: \$													
Raw sugar, total.....do.....	180, 167	210, 784	219, 672	275, 488	313, 067	391, 051	300, 783	360, 344	388, 185	346, 484	257, 629	275, 544	-----
From Cuba.....do.....	180, 167	210, 784	219, 669	275, 487	313, 067	391, 049	300, 782	360, 344	388, 184	346, 484	257, 626	275, 543	-----
Refined sugar, total.....do.....	23, 647	16, 160	15, 913	19, 416	46, 621	52, 956	45, 964	61, 226	34, 940	33, 889	13, 009	23, 477	-----
From Cuba.....do.....	23, 647	16, 160	15, 559	19, 416	46, 618	52, 956	45, 964	61, 226	34, 940	33, 889	13, 009	23, 477	-----
Receipts from Hawaii and Puerto Rico:													
Raw.....do.....	2, 500	42, 816	15, 694	40, 692	107, 892	136, 667	182, 956	234, 111	180, 095	222, 067	214, 590	169, 957	-----
Refined.....do.....	5, 004	2, 751	3	3, 802	25, 761	17, 444	23, 795	3, 162	16, 655	10, 227	4, 750	6, 550	-----
Price, refined, granulated, New York:													
Retail \$.....dol. per lb..	.092	.095	.095	.096	.096	.096	.095	.096	.095	.095	.098	.097	.098
Wholesale.....do.....	.076	.078	.079	.080	.080	.081	.081	.081	.081	.082	.082	.082	.082
Tea, imports \$.....thous. of lb..	16, 286	11, 486	12, 891	4, 105	11, 498	4, 963	2, 508	4, 826	3, 202	1, 275	4, 597	5, 487	-----
TOBACCO													
Leaf:													
Exports, incl. scrap and stems \$.....thous. of lb..	94, 129	60, 861	55, 059	55, 552	49, 018	33, 867	23, 102	39, 156	30, 396	28, 707	47, 396	58, 728	-----
Imports, incl. scrap and stems \$.....do.....	6, 551	4, 817	30, 930	4, 912	5, 632	5, 192	4, 848	5, 624	5, 592	5, 258	5, 864	6, 720	-----
Production (crop estimate).....mil. of lb.		2, 310											2, 168
Stocks, dealers and manufacturers, total, end of quarter.....do.....													
Domestic:		3, 282			3, 553			3, 187			3, 334		
Cigar leaf.....do.....		303			372			370			340		
Fire-cured and dark air-cured.....do.....		159			253			243			216		
Flue-cured and light air-cured.....do.....		2, 683			2, 774			2, 413			2, 633		
Miscellaneous domestic.....do.....		3			4			3			3		
Foreign grown:													
Cigar leaf.....do.....		36			38			36			34		
Cigarette tobacco.....do.....		97			113			122			110		
Manufactured products:													
Consumption (withdrawals):													
Cigarettes:													
Tax-free*.....millions..	3, 165	2, 959	3, 519	2, 713	3, 243	2, 805	2, 966	2, 269	2, 333	2, 528	2, 706	3, 527	-----
Tax-paid.....do.....	27, 696	22, 695	28, 451	26, 338	26, 336	27, 493	25, 068	29, 097	29, 549	29, 060	29, 204	33, 237	27, 333
Cigars, tax-paid.....thousands..	546, 949	465, 769	510, 264	446, 042	426, 785	416, 270	473, 968	432, 527	439, 108	466, 511	483, 288	587, 880	495, 401
Manufactured tobacco and snuff, tax-paid.....thous. of lb..	22, 728	17, 636	20, 124	17, 389	18, 743	19, 716	16, 111	18, 792	21, 008	22, 184	24, 706	25, 909	18, 144
Exports, cigarettes \$.....millions..	1, 523	2, 514	1, 438	2, 480	2, 473	1, 667	1, 094	2, 294	1, 619	1, 685	1, 909	2, 068	-----
Price, wholesale (list price, composite):													
Cigarettes, f. o. b., destination.....dol. per thous..	6, 509	6, 509	6, 509	6, 509	6, 509	6, 509	6, 509	6, 509	6, 509	6, 509	6, 509	6, 509	6, 509
Production, manufactured tobacco, total.....thous. of lb..													
Fine-cut chewing.....do.....	23, 236	18, 361	20, 107	17, 712	19, 212	19, 885	16, 473	18, 357	21, 266	22, 629	24, 233	-----	
Plug.....do.....	315	296	311	272	248	337	295	326	303	306	332	-----	
Scrap, chewing.....do.....	4, 096	3, 500	4, 380	3, 762	3, 592	3, 762	1, 979	3, 001	4, 756	5, 002	4, 892	-----	
Smoking.....do.....	3, 794	3, 425	3, 680	3, 327	3, 429	3, 302	3, 081	3, 211	3, 467	3, 661	3, 975	-----	
Snuff.....do.....	11, 266	7, 410	7, 789	6, 961	8, 310	8, 799	7, 576	8, 500	9, 345	9, 881	10, 849	-----	
Twist.....do.....	3, 303	3, 332	3, 447	2, 948	3, 200	3, 246	3, 198	3, 007	2, 968	3, 341	3, 719	-----	
-----	462	398	499	442	434	438	344	312	427	440	466	-----	

LEATHER AND PRODUCTS

HIDES AND SKINS													
Livestock slaughter (see p. S-28).													
Imports, total hides and skins \$.....thous. of lb..	30, 921	25, 229	18, 198	13, 589	10, 781	10, 830	14, 017	11, 901	17, 490	8, 523	8, 950	13, 527	-----
Calf and kip skins.....thous. of pieces..	59	126	59	31	41	22	35	27	23	28	94	79	-----
Cattle hides.....do.....	306	206	118	122	31	29	51	30	38	42	29	142	-----
Goatskins.....do.....	4, 454	3, 239	2, 683	2, 113	2, 715	3, 299	3, 039	4, 283	3, 421	3, 076	2, 686	2, 933	-----
Sheep and lamb skins.....do.....	2, 540	2, 157	1, 833	1, 369	1, 052	1, 318	2, 013	1, 386	5, 410	3, 806	946	1, 304	-----
Prices, wholesale (Chicago):													
Hides, packers', heavy, native steers.....dol. per lb..	.289	.276	.238	.231	.228	.220	.223	.231	.262	.295	.301	.343	.375
Calfskins, packers', 8 to 15 lb.....do.....	.435	.414	.396	.475	.625	.514	.534	.638	.660	.619	.625	.669	.756
LEATHER													
Exports: \$													
Sole leather:													
Bends, backs and sides.....thous. of lb..	146	71	626	189	358	471	148	169	29	144	135	244	-----
Offal, including belting offal.....do.....	5	90	153	225	95	40	59	73	201	245	129	235	-----
Upper leather.....thous. of sq. ft..	1, 299	2, 512	3, 099	4, 359	3, 906	3, 907	3, 761	3, 183	2, 722	2, 954	2, 674	3, 285	-----
Production:													
Calf and kip.....thous. of skins..	981	1, 011	1, 104	1, 088	1, 066	1, 130	1, 011	1, 049	887	1, 069	1, 106	1, 125	-----
Cattle hide.....thous. of hides..	2, 150	2, 184	2, 426	2, 404	2, 512	2, 559	2, 472	2, 239	2, 126	2, 261	2, 302	2, 630	-----
Goat and kid.....thous. of skins..	2, 304	2, 412	2, 506	2, 849	2, 954	3, 038	3, 046	3, 283	3, 302	2, 995	3, 374	3, 808	-----
Sheep and lamb.....do.....	4, 088	3, 667	3, 388	3, 341	2, 943	2, 882	2, 641	2, 472	2, 426	3, 095	3, 411	2, 551	-----
Prices, wholesale:													
Sole, oak, bends.....dol. per lb..	.784	.753	.691	.659	.678	.627	.593	.593	.602	.637	.662	.750	.808
Chrome, calf, B grade, black, composite.....dol. per sq. ft..	.869	.902	.950	.958	1.017	1.015	1.007	1.069	1.214	1.218	1.223	1.239	1.304
LEATHER MANUFACTURES													
Gloves and mittens, production, total*.....thous. doz. pairs..													
Dress and semi-dress, total.....do.....	2, 282	2, 103	2, 251	2, 086	2, 261	2, 462	2, 286	2, 089	-----	-----	6, 386	-----	-----
Leather.....do.....	757	628	576	540	588	551	510	504	-----	-----	1, 540	-----	-----
Leather and fabric combination.....do.....	145	102	97	87	87	86	89	89	-----	-----	329	-----	-----
Fabric.....do.....	15	9	9	8	8	3	3	4	-----	-----	26	-----	-----
Work, total.....do.....	597	516	470	445	493	491	418	412	-----	-----	1, 185	-----	-----
Leather.....do.....	1, 525	1, 476	1, 675	1, 546	1, 674	1, 882	1, 776	1, 585	-----	-----	4, 845	-----	-----
Leather and fabric combination.....do.....	112	98	95	93	95	95	94	103	-----	-----	274	-----	-----
Fabric.....do.....	164	178	195	192	205	230	221	206	-----	-----	633	-----	-----
-----	1, 249	1, 200	1, 385	1, 261	1, 374	1, 557	1, 461	1, 276	-----	-----	3, 939	-----	-----

* Revised. † Preliminary. ‡ No quotation. § Revised estimate. ¶ December 1 estimate.

‡ See note in March 1947 Survey with regard to a change in the series in January 1946.

§ Data continue series published in the 1942 Supplement but suspended during the war period; data for October 1941-February 1945 will be published later.

* New series. For source and a description of the series for tax-free withdrawals of cigarettes and data beginning July 1943, see p. S-29 of the March 1947 Survey. The series for gloves and mittens were first included in the May 1946 Survey; see note in that issue; data are collected quarterly only beginning the third quarter of 1947 (figures in the September column are totals for the quarter).

† Revised series. The price for sole oak leather beginning in the October 1947 Survey is for packers', steers bends, union trim tannery run, vegetable tanning; earlier data will be shown later.

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947									
	November	December	January	February	March	April	May	June	July	August	September	October	November

LEATHER AND PRODUCTS—Continued

LEATHER MANUFACTURES—Continued														
Shoes and slippers:														
Exports\$.....thous. of pairs.....	459	691	464	494	537	631	535	414	429	378	358	505	-----	
Prices, wholesale, factory:♂														
Men's black calf oxford.....dol. per pair.....	6.50	6.50	6.25	6.00	6.00	6.00	6.00	6.00	6.30	6.50	6.50	6.63	6.75	
Women's plain black kid blucher.....do.....	4.26	4.90	4.90	4.90	4.90	4.90	4.90	4.90	4.90	4.90	4.90	4.90	4.90	
Production, total†.....thous. of pairs.....	40,752	39,068	41,051	38,255	40,429	39,525	36,404	34,131	33,870	38,982	40,826	46,744	-----	
Shoes, sandals, and play shoes except athletic, total.....thous. of pairs.....	34,315	35,345	38,049	35,631	37,766	36,627	33,638	31,343	30,875	34,735	36,035	40,100	-----	
By type of uppers:														
All leather.....do.....	30,011	31,884	34,957	33,295	35,690	34,879	32,178	29,805	29,728	35,544	34,767	38,730	-----	
Part leather and nonleather.....do.....	4,304	3,461	3,092	2,336	2,077	1,749	1,554	1,532	1,091	1,174	1,331	1,370	-----	
By kinds:†														
Men's.....do.....	8,274	9,012	9,221	8,591	9,121	9,218	9,078	8,297	8,053	8,449	8,812	10,344	-----	
Youths' and boys'.....do.....	1,625	1,793	1,699	1,533	1,520	1,449	1,373	1,495	1,521	1,607	1,587	1,815	-----	
Women's.....do.....	17,599	17,429	19,024	17,838	18,991	18,227	16,279	15,069	14,768	17,548	18,053	19,249	-----	
Misses' and children's.....do.....	3,958	4,187	4,871	4,706	5,011	4,819	4,389	4,041	3,985	4,271	4,511	5,267	-----	
Infants' and babies'.....do.....	2,859	2,924	3,234	2,963	3,123	2,904	2,519	2,441	2,548	2,860	3,072	3,425	-----	
Slippers for housewear.....do.....	5,606	2,915	2,475	2,176	2,146	2,364	2,257	2,272	2,512	3,676	4,186	5,913	-----	
Athletic.....do.....	395	397	358	315	357	380	365	301	308	363	395	492	-----	
Other footwear.....do.....	240	213	169	133	160	154	144	215	175	208	210	239	-----	

LUMBER AND MANUFACTURES

LUMBER—ALL TYPES													
Exports, total sawmill products\$.....M bd. ft.....	38,251	81,976	79,720	76,335	114,449	88,345	162,633	131,795	131,052	156,274	124,732	102,569	-----
Sawed timbers\$.....do.....	7,183	28,614	20,537	22,656	27,255	16,610	34,237	21,339	20,480	22,692	16,854	15,018	-----
Boards, planks, scantlings, etc.\$.....do.....	30,103	45,149	54,377	51,994	75,676	63,091	101,014	88,568	86,695	97,447	87,900	71,930	-----
Imports, total sawmill products\$.....do.....	117,696	123,816	109,414	111,718	133,390	93,070	67,619	60,598	73,073	96,768	118,356	148,984	-----
National Lumber Manufacturers Association:†													
Production, total.....mil. bd. ft.....	2,533	2,303	2,214	2,403	2,578	2,732	2,938	2,821	2,728	2,996	2,847	2,936	-----
Hardwoods.....do.....	698	604	583	612	623	632	639	657	702	702	688	682	-----
Softwoods.....do.....	1,835	1,699	1,631	1,791	1,955	2,100	2,306	2,164	2,071	2,294	2,159	2,254	-----
Shipments, total.....do.....	2,418	2,326	2,414	2,378	2,389	2,560	2,704	2,497	2,538	2,907	2,817	2,946	-----
Hardwoods.....do.....	570	542	590	598	507	530	588	545	582	684	668	715	-----
Softwoods.....do.....	1,785	1,723	1,824	1,780	1,882	2,030	2,116	1,952	1,956	2,223	2,149	2,231	-----
Stocks, gross, end of month, total.....do.....	4,652	4,645	4,323	4,346	4,456	4,637	4,761	5,266	5,608	5,645	5,708	5,448	-----
Hardwoods.....do.....	1,453	1,474	1,421	1,420	1,427	1,470	1,463	1,741	1,932	1,899	1,906	1,878	-----
Softwoods.....do.....	3,199	3,171	2,902	2,926	3,029	3,067	3,298	3,525	3,676	3,746	3,802	3,570	-----
HARDWOOD FLOORING													
Maple, beech, and birch:													
Orders, new.....M bd. ft.....	3,250	4,350	3,850	5,200	5,825	5,825	5,375	5,900	6,250	6,500	6,075	7,150	-----
Orders, unfilled, end of month.....do.....	5,250	6,100	5,550	7,450	8,375	9,500	10,175	11,375	12,225	13,325	13,875	14,475	-----
Production.....do.....	3,475	3,950	3,900	3,875	4,050	4,675	4,850	5,125	5,575	5,550	5,825	7,150	-----
Shipments.....do.....	3,625	3,700	4,375	3,625	4,400	4,725	4,800	4,875	5,275	5,575	5,475	6,500	-----
Stocks, end of month.....do.....	1,975	1,950	1,650	1,850	1,625	1,500	1,500	1,775	2,050	1,950	2,425	3,000	-----
Oak:													
Orders, new.....do.....	29,245	29,194	43,306	34,981	43,443	43,179	47,708	48,444	59,663	57,678	53,535	61,549	-----
Orders, unfilled, end of month.....do.....	41,800	41,249	41,523	40,157	39,970	38,418	43,122	44,340	58,439	58,064	60,195	67,626	-----
Production.....do.....	34,079	33,955	40,253	37,976	42,944	47,361	48,709	46,985	55,629	57,996	62,696	69,623	-----
Shipments.....do.....	33,065	31,248	41,247	37,733	42,260	46,140	47,839	45,435	53,579	58,126	60,800	66,697	-----
Stocks, end of month.....do.....	5,762	7,431	5,730	5,978	6,032	7,016	7,886	8,797	9,370	8,314	8,045	10,971	-----
SOFTWOODS													
Douglas fir:													
Exports, total sawmill products\$.....M bd. ft.....	2,138	37,421	44,931	36,872	65,073	38,948	82,594	61,332	67,128	74,432	74,521	54,651	-----
Sawed timbers\$.....do.....	654	20,629	15,305	12,695	21,356	9,364	28,014	16,583	17,190	19,727	14,578	13,149	-----
Boards, planks, scantlings, etc.\$.....do.....	1,484	16,792	29,626	24,177	43,717	29,584	54,580	44,749	49,938	54,705	59,943	41,502	-----
Prices, wholesale:													
Dimension, No. 1, common, 2" x 4" x 16'.....dol. per M bd. ft.....	44.085	48.312	52.470	59.400	60.885	62.865	62.865	62.865	62.865	64.845	67.815	67.815	67.815
Flooring, B and better, F. G., 1" x 4", R. L.....dol. per M bd. ft.....	60.085	63.954	73.260	86.378	92.565	95.040	95.040	95.040	101.970	104.940	111.870	111.870	111.870
Southern pine:													
Exports, total sawmill products\$.....M bd. ft.....	21,360	15,885	11,842	20,159	19,041	17,511	25,081	22,591	21,893	16,534	8,920	12,753	-----
Sawed timbers\$.....do.....	4,955	4,880	2,007	8,214	4,441	4,341	3,623	3,444	1,952	2,214	1,472	1,656	-----
Boards, planks, scantlings, etc.\$.....do.....	16,405	11,005	9,835	11,945	14,600	13,170	21,458	19,147	19,931	14,320	7,448	11,097	-----
Orders, new†.....mil. bd. ft.....	547	506	588	586	618	631	565	634	752	775	666	651	-----
Orders, unfilled, end of month†.....do.....	633	574	565	551	553	544	449	494	570	641	626	573	-----
Prices, wholesale, composite:													
Boards, No. 2 common, 1" x 6" or 8" x 12'.....dol. per M bd. ft.....	53.182	67.163	71.656	72.530	71.460	67.790	65.694	62.656	63.462	67.978	71.127	72.247	74.521
Flooring, B and better, F. G., 1" x 4" x 12-14'.....dol. per M bd. ft.....	74.723	96.546	106.782	109.979	120.104	133.862	133.250	132.148	130.910	134.279	138.150	141.139	146.731
Production†.....mil. bd. ft.....	589	610	578	686	681	693	726	633	668	655	608	667	-----
Shipments†.....do.....	556	565	597	600	616	640	660	589	676	704	681	704	-----
Stocks, end of month†.....do.....	1,168	1,213	1,194	1,280	1,345	1,398	1,464	1,508	1,500	1,451	1,378	1,341	-----
Western pine:													
Orders, new†.....do.....	489	436	461	385	530	540	449	685	661	673	620	631	-----
Orders, unfilled, end of month†.....do.....	275	269	302	278	353	357	247	389	463	517	542	569	-----
Price, wholesale, Ponderosa, boards, No. 3 common, 1" x 8'.....dol. per M bd. ft.....	40.36	43.30	45.60	48.51	50.99	52.71	54.69	54.36	55.23	56.23	59.01	61.23	63.22
Production†.....mil. bd. ft.....	491	394	329	346	420	534	653	645	684	691	654	650	-----
Shipments†.....do.....	501	440	428	409	455	536	559	543	587	618	595	603	-----
Stocks, end of month†.....do.....	1,083	1,038	939	876	841	839	933	1,035	1,132	1,205	1,264	1,311	-----
West coast woods:													
Orders, new†.....do.....	445	451	582	618	723	529	544	514	567	623	553	658	-----
Orders, unfilled, end of month.....do.....	544	514	523	577	685	646	595	568	682	682	702	699	-----
Production†.....do.....	503	461	507	529	598	584	604	603	446	671	609	659	-----
Shipments†.....do.....	484	489	576	548	569	586	607	553	438	629	596	652	-----
Stocks, end of month.....do.....	475	448	377	379	410	374	397	433	483	534	580	560	-----

† Revised.
 § Data continue series published in the 1942 Supplement but suspended during the war period; data for October 1941–February 1946 will be published later.
 ¶ Totals through December 1946 include Government shoes formerly shown separately but not reported separately in 1947; the classifications by kinds were revised in the October 1947 Survey to include all types (leather, part leather, and nonleather uppers); revised data beginning 1944 for these series and additional revisions indicated in note in the September 1947 Survey will be published later. (The totals for shoes, sandals, etc., and the distribution by kinds include, for May to September 1947, minor revisions that are not available for the breakdown between all leather and part leather and nonleather.)
 ♂ Data continue series published in the July 1944 and earlier issues of the Survey; see note in August 1947 Survey for data for June 1944–May 1946.
 ¶ Revised series. See note marked "¶" above regarding revision of the shoe series and note in February 1946 Survey explaining revision in the Southern pine price series. There have been unpublished revisions in the data for the other lumber series as indicated in notes in the July 1947 and April 1946 issues.

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947										
	November	December	January	February	March	April	May	June	July	August	September	October	November
LUMBER AND MANUFACTURES—Continued													
SOFTWOOD PLYWOOD													
Production*.....thous. of sq. ft., $\frac{3}{8}$ " equivalent...	129,635	121,816	140,058	129,622	139,779	148,027	142,070	139,623	107,574	139,369	146,985	170,325	144,852
Shipments*.....do.....	128,691	129,727	136,064	127,658	140,457	143,295	141,491	142,975	102,457	136,471	146,701	161,648	147,932
Stocks, end of month*.....do.....	34,984	26,882	30,712	31,995	32,146	35,591	35,618	31,481	35,937	37,600	38,066	* 44,279	40,844

METALS AND MANUFACTURES

IRON AND STEEL													
Foreign trade:													
Iron and steel products (excl. advanced mfrs.):													
Exports (domestic), total.....short tons.....	480,752	509,444	549,138	481,247	637,754	641,931	657,924	630,731	571,913	566,865	579,053	651,003	-----
Scrap.....do.....	16,258	15,671	8,381	4,694	9,082	10,160	18,175	29,579	20,528	10,717	15,053	27,094	-----
Imports, total.....do.....	11,387	15,943	17,491	20,305	17,439	15,090	15,728	19,400	21,733	15,269	14,953	13,579	-----
Scrap.....do.....	1,159	1,018	1,690	1,511	3,058	3,478	2,184	3,410	2,426	3,917	1,828	2,025	-----
Iron and Steel Scrap													
Consumption, total*.....thous. of short tons.....	4,579	4,239	4,900	4,503	5,136	5,142	5,292	5,184	4,752	4,826	-----	-----	-----
Home scrap*.....do.....	2,535	2,193	2,717	2,406	2,689	2,653	2,744	2,560	2,384	2,561	-----	-----	-----
Purchased scrap*.....do.....	2,044	2,046	2,183	2,097	2,447	2,489	2,548	2,624	2,368	2,265	-----	-----	-----
Stocks, consumers', end of month, total*.....do.....	2,992	3,034	2,886	3,032	3,366	3,920	4,082	4,067	4,096	4,369	-----	-----	-----
Home scrap*.....do.....	1,121	1,158	1,063	1,061	1,109	1,136	1,133	1,303	1,257	1,295	-----	-----	-----
Purchased scrap*.....do.....	1,870	1,876	1,823	1,971	2,257	2,784	2,949	2,764	2,839	3,074	-----	-----	-----
Ore													
Iron ore:													
All districts*:													
Production.....thous. of long tons.....	6,605	2,274	2,698	2,591	2,846	6,575	10,981	11,643	13,127	12,819	11,336	10,108	-----
Shipments.....do.....	6,830	1,193	1,251	1,322	1,425	7,216	11,755	12,499	14,069	13,533	11,865	10,780	-----
Stocks, end of month.....do.....	4,607	5,688	7,135	8,404	9,825	9,212	8,438	7,582	6,608	5,895	5,367	4,695	-----
Lake Superior district:													
Consumption by furnaces.....do.....	6,131	5,516	7,024	6,264	6,979	6,579	6,885	6,500	6,156	6,638	6,492	7,151	7,068
Shipments from upper lake ports.....do.....	6,701	247	0	0	0	4,448	10,373	11,457	12,614	12,122	10,685	9,785	5,877
Stocks, end of month, total.....do.....	41,919	37,465	30,514	24,317	17,411	13,555	17,618	21,746	28,440	33,896	38,370	41,641	43,010
At furnaces.....do.....	37,063	33,056	26,744	20,938	14,755	11,738	15,541	19,594	25,677	30,397	34,065	36,852	38,195
On Lake Erie docks.....do.....	4,857	4,409	3,770	3,379	2,656	1,816	2,078	2,152	2,764	3,499	4,305	4,789	4,816
Imports,§.....do.....	329	237	223	198	229	263	439	479	576	597	580	573	-----
Manganese ore, imports (manganese content)§.....thous. of long tons.....	77	55	76	45	32	66	46	38	56	48	45	42	-----
Pig Iron and Iron Manufactures													
Castings, gray iron*:													
Shipments, total.....thous. of short tons.....	987	909	1,078	1,010	1,090	1,097	1,097	1,038	913	952	1,025	1,154	-----
For sale.....do.....	562	514	633	583	634	637	633	597	519	551	591	654	-----
Unfilled orders for sale.....do.....	2,940	2,980	3,021	2,987	2,979	2,908	2,783	2,711	2,675	2,631	2,680	2,669	-----
Castings, malleable iron:†:													
Orders, new, for sale.....short tons.....	36,802	28,542	34,517	55,938	50,194	41,994	28,996	31,972	26,591	33,244	28,679	40,092	35,784
Orders, unfilled, for sale.....do.....	278,446	267,661	259,764	274,018	280,724	275,415	262,117	248,798	234,656	229,735	218,276	210,695	206,510
Shipments, total.....do.....	68,987	68,314	75,898	74,716	76,614	81,890	75,478	78,524	64,162	62,404	71,568	83,979	72,111
For sale.....do.....	39,328	39,327	42,414	41,684	43,488	47,303	42,294	45,291	40,733	38,165	40,138	47,673	39,969
Pig iron:													
Consumption*.....thous. of short tons.....	4,424	3,888	5,037	4,467	5,015	4,804	4,982	4,842	4,507	-----	-----	-----	-----
Prices, wholesale:													
Basic (furnace).....dol. per long ton.....	28.00	29.60	30.00	30.00	33.00	33.00	33.00	33.00	34.20	36.00	36.00	36.00	36.00
Composite.....do.....	28.73	30.12	30.86	30.86	33.55	33.81	33.81	33.81	35.08	37.21	37.21	37.28	37.32
Foundry, No. 2, f. o. b. Neville Island*.....do.....	28.50	30.50	30.50	30.50	33.50	33.50	33.50	33.50	34.70	36.50	36.50	36.50	36.50
Production*.....thous. of short tons.....	4,435	3,992	5,087	4,550	5,123	4,830	5,081	4,810	4,585	4,917	4,801	5,228	5,015
Stocks (consumers and suppliers'), end of month*.....thous. of short tons.....	687	668	674	735	777	741	748	769	887	-----	-----	-----	-----
Steel, Crude and Semimanufactures													
Steel castings:†													
Shipments, total.....short tons.....	130,606	123,907	139,029	125,612	134,909	144,175	140,874	139,031	116,956	120,405	137,457	148,358	130,125
For sale, total.....do.....	93,878	88,136	101,140	92,822	99,701	106,127	103,779	103,888	85,014	88,719	102,913	111,288	97,143
Railway specialties.....do.....	27,425	22,108	28,699	28,212	27,125	29,185	28,850	31,879	21,280	22,584	32,967	30,452	25,835
Steel forgings, for sale*:													
Orders, unfilled, total.....do.....	726,733	707,060	723,158	713,909	717,428	698,615	662,579	633,467	630,925	626,227	617,247	593,838	585,818
Drop and upset.....do.....	595,359	579,778	591,558	581,337	586,992	570,130	544,058	519,760	529,817	526,392	518,261	494,933	492,808
Press and open hammer.....do.....	131,374	127,282	131,600	132,572	130,436	128,485	118,521	113,707	101,108	99,835	98,986	98,905	93,010
Shipments, total.....do.....	108,112	110,346	116,074	111,004	115,456	121,475	115,743	110,446	92,352	98,009	108,804	123,830	103,740
Drop and upset.....do.....	73,124	75,360	79,061	78,560	83,743	90,076	85,729	80,761	70,316	69,639	79,219	91,228	76,839
Press and open hammer.....do.....	34,988	34,986	37,013	32,444	31,713	31,399	30,014	29,685	22,036	28,370	29,585	32,602	26,901
Steel ingots and steel for castings:													
Production.....thous. of short tons.....	6,458	5,761	7,213	6,422	7,307	7,043	7,329	6,969	6,570	6,982	6,789	* 7,560	7,250
Percent of capacity†.....do.....	85	74	93	92	94	94	95	93	85	90	91	98	97
Prices, wholesale:													
Composite, finished steel.....dol. per lb.....	.0305	.0312	.0329	.0329	.0329	.0329	.0329	.0329	.0329	.0360	.0360	.0360	.0360
Steel billets, rerolling (Pittsburgh).....dol. per long ton.....	39.00	39.00	42.00	42.00	42.00	42.00	42.00	42.00	42.60	45.00	45.00	45.00	45.00
Structural steel (Pittsburgh).....dol. per lb.....	.0235	.0235	.0250	.0250	.0250	.0250	.0250	.0250	.0256	.0280	.0280	.0280	.0280
Steel scrap (Chicago).....dol. per long ton.....	23.13	27.25	29.75	31.63	36.69	33.05	29.25	30.88	36.95	39.88	38.75	40.50	39.13

* Revised.

† Since May 1944 the coverage of the malleable iron castings industry has been virtually complete; see note in the February 1947 Survey for further information.

§ Data continue series shown in the 1942 Supplement but suspended during the war period (it should be noted that data for iron and steel are shown in long tons in that volume); data for October 1941-September 1946 for total imports of iron and steel products and for October 1941-February 1945 for other series will be published later. The 1945-46 data for imports of iron and steel products shown in the November 1947 Survey and earlier issues erroneously include ores and alloying metals other than ferroalloys.

¶ For 1947, percent of capacity is calculated on annual capacity as of Jan. 1, 1947, of 91,241,000 tons of steel; 1946 data are based on capacity as of Jan. 1, 1946, 91,891,000 tons.

* New series. For data beginning September 1941 for softwood plywood see p. 16 of the September 1944 Survey. For description of the series on scrap iron and steel and 1939-40 data, see note marked "****" on p. S-29 of the November 1942 Survey. The series for iron ore, all districts, are from the Department of the Interior, Bureau of Mines, and cover the entire industry, monthly data beginning 1943 and earlier annual totals will be shown later. Data for 1943-45 for gray iron castings are shown on p. 24 of the January 1947 Survey. For pig iron consumption and stocks for 1939-40 and a description of the series, see note marked "****" on p. S-29 of the November 1942 Survey. The series on pig iron production is approximately comparable with data in the 1942 Supplement (data in that volume are in short tons instead of long tons as indicated); see p. S-30 of the May 1943 Survey for further information and data for 1941-42. The pig iron price series replaces the Pittsburgh price shown in the Survey prior to the April 1943 issue. For 1945 data for steel forgings see note on p. S-32 of the March 1947 Survey; data for total shipments, including shipments for own use, and steel consumed have been discontinued.

† Revised series. Data for steel castings are estimated industry totals; see note on p. S-32 of the July 1946 Survey for comparable figures beginning January 1945.

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947										
	November	December	January	February	March	April	May	June	July	August	September	October	November
METALS AND MANUFACTURES—Continued													
IRON AND STEEL—Continued													
Steel, Manufactured Products													
Barrels and drums, steel, heavy types:⊙													
Orders, unfilled, end of month..... thousands..	13,612	15,014	15,501	15,867	14,976	14,542	14,370	13,612	13,255	12,340	11,294	10,988	-----
Production..... do.....	2,198	2,091	2,327	2,064	2,291	2,455	2,303	2,244	2,188	2,208	2,210	2,307	-----
Shipments..... do.....	2,213	2,093	2,317	2,066	2,292	2,455	2,306	2,242	2,185	2,212	2,201	2,309	-----
Stocks, end of month..... do.....	19	17	27	25	25	25	21	23	26	22	31	29	-----
Boilers, steel, new orders:†													
Area..... thous. of sq. ft..	1,453	1,452	1,414	1,343	1,421	1,371	1,428	1,904	1,625	1,426	1,245	1,168	1,202
Quantity..... number..	1,441	1,462	1,392	1,265	1,348	1,336	1,212	1,345	1,564	1,453	1,417	1,331	1,176
Cans, metal (in terms of steel consumed):*													
Shipments (for sale and own use), total													
Food..... short tons..	192,134	198,406	174,900	157,765	179,924	204,678	207,208	232,612	309,659	387,817	354,726	278,806	-----
Nonfood..... do.....	151,882	157,030	129,914	111,154	125,683	139,536	145,830	168,249	235,856	315,028	278,488	193,731	-----
Shipments for sale..... do.....	40,252	41,376	44,986	46,611	54,241	65,142	61,378	64,363	73,805	72,789	76,238	85,075	-----
Commercial closures, production*..... millions..	161,951	167,637	138,213	123,768	142,661	160,107	165,085	193,275	275,571	344,269	310,982	240,117	-----
Crowns, production*..... thousand gross..	1,401	1,323	1,426	1,154	1,174	1,083	984	845	781	890	949	1,062	-----
Steel products, net shipments:⊙													
Total..... thous. of short tons..	5,020	4,533	5,063	4,626	5,304	5,446	5,442	5,264	4,975	5,278	5,119	5,682	-----
Merchant bars..... do.....	507	460	525	474	558	549	561	501	493	534	484	555	-----
Pipe and tubes..... do.....	482	418	467	428	502	518	535	527	480	517	497	550	-----
Plates..... do.....	466	386	468	445	527	555	579	563	464	540	495	589	-----
Rails..... do.....	210	174	227	191	181	206	204	205	199	190	182	214	-----
Sheets..... do.....	1,220	1,081	1,202	1,093	1,275	1,274	1,274	1,225	1,181	1,199	1,224	1,343	-----
Strip—Cold rolled..... do.....	132	123	126	116	132	141	142	138	116	136	136	151	-----
Hot rolled..... do.....	144	135	146	136	144	151	150	141	131	135	142	157	-----
Structural shapes, heavy..... do.....	356	310	362	334	390	392	382	364	357	371	360	399	-----
Tin plate and terneplate..... do.....	248	265	248	229	293	318	305	308	324	336	364	349	-----
Wire and wire products..... do.....	391	392	420	364	396	425	407	407	335	393	410	454	-----
NONFERROUS METALS AND PRODUCTS													
Aluminum:													
Imports, bauxite\$..... long tons..	93,752	113,445	108,795	166,616	157,437	129,133	189,615	173,706	181,999	164,098	163,480	118,658	-----
Price, wholesale, scrap castings (N. Y.)..... dol. per lb..	.0682	.0775	.0775	.0755	.0725	.0719	.0667	.0444	.0440	.0600	.0617	.0625	.0625
Aluminum fabricated products, shipments, total*..... mil. of lb..	163.1	156.9	167.0	161.7	158.6	152.3	144.1	124.8	121.7	132.2	155.1	187.1	-----
Castings*..... do.....	38.2	37.5	40.7	37.8	42.3	41.7	37.4	33.0	30.2	30.4	35.9	40.5	-----
Wrought products, total*..... do.....	124.9	119.4	126.3	123.9	116.4	110.7	106.7	91.8	91.5	101.7	119.2	146.6	-----
Plate, sheet, and strip*..... do.....	99.5	92.7	96.3	96.6	91.0	83.3	81.6	70.5	72.2	82.4	97.9	120.1	-----
Brass sheets, wholesale price, mill..... dol. per lb..	.259	.275	.275	.275	.289	.289	.293	.300	.296	.296	.296	.296	.296
Copper:													
Exports, refined and manufactures\$..... short tons..	10,564	14,168	14,921	11,018	13,462	11,721	14,020	17,254	14,569	21,606	18,337	19,295	-----
Imports, total\$..... do.....	33,182	45,431	26,261	26,114	26,291	23,203	40,138	52,527	37,524	44,185	41,596	44,045	-----
For smelting, refining, and export\$..... do.....	6,809	10,699	12,340	8,784	6,944	7,989	3,233	4,115	3,519	2,492	3,338	5,286	-----
For domestic consumption, total\$..... do.....	26,373	34,732	13,921	17,330	19,347	15,214	36,905	48,412	34,005	41,693	38,258	38,759	-----
Unrefined, including scrap\$..... do.....	12,933	22,224	9,715	7,805	12,158	9,754	25,099	32,993	18,796	24,679	26,620	18,515	-----
Refined\$..... do.....	13,440	12,508	4,206	9,525	7,189	5,460	11,806	15,419	15,209	17,014	11,638	20,244	-----
Price, wholesale, electrolytic (N. Y.)..... dol. per lb..	.1704	.1928	.1927	.2091	.2123	.2211	.2135	.2123	.2123	.2123	.2123	.2124	.2120
Production:⊙													
Mine or smelter (including custom intake)..... short tons..	73,024	78,674	78,313	74,560	84,445	89,093	91,275	82,334	79,152	83,301	83,715	76,300	71,861
Refinery..... do.....	75,066	77,578	96,729	97,598	95,964	104,596	108,536	103,474	94,610	88,122	92,146	108,277	97,525
Deliveries, refined, domestic⊙..... do.....	129,206	141,218	115,948	122,157	123,382	117,557	118,120	116,678	109,822	96,374	95,640	112,310	106,232
Stocks, refined, end of month⊙..... do.....	90,896	80,832	96,515	88,368	83,736	86,496	84,560	82,542	77,773	77,212	80,113	74,507	66,622
Lead:													
Imports, total, except mfrs. (lead content) \$..... do.....	8,345	24,427	21,105	12,405	18,898	18,585	18,113	23,058	13,030	21,099	14,261	14,132	-----
Ore (lead content):													
Mine production*..... do.....	28,860	30,329	31,586	30,067	31,771	32,359	32,052	31,935	28,745	29,902	30,000	32,197	-----
Receipts by smelters, domestic ore:⊙..... do.....	26,180	31,307	30,907	32,157	36,328	37,581	34,269	33,688	31,877	32,271	32,081	33,780	-----
Refined:													
Price, wholesale, pig, desilverized (New York)..... dol. per lb..	.1044	.1219	.1293	.1318	.1496	.1500	.1500	.1500	.1500	.1500	.1500	.1500	.1500
Production, total⊙..... short tons..	40,041	40,448	45,629	44,053	51,289	53,424	53,822	45,235	46,012	46,409	46,827	50,248	51,481
Primary†..... do.....	38,287	38,943	42,506	41,210	46,099	48,995	49,984	41,505	42,536	43,725	43,545	46,919	47,903
Shipments⊙..... do.....	34,764	40,613	44,888	49,638	52,465	50,568	50,482	54,627	51,989	46,646	43,483	56,247	55,034
Stocks, end of month⊙..... do.....	48,262	48,088	48,826	43,233	41,990	44,834	47,233	37,836	31,290	31,048	34,385	28,370	24,809
Tin:													
Imports:\$													
Ore (tin content)..... long tons..	4,904	415	3,011	1,774	0	3,937	1,409	694	2,596	8,350	2,989	1,745	-----
Bars, blocks, pigs, etc..... do.....	1,195	1,901	1,285	419	60	33	54	443	3,406	2,105	6,470	3,429	-----
Price, wholesale, straits (N. Y.)..... dol. per lb..	.6500	.7000	.7000	.7000	.8000	.8000	.8000	.8000	.8000	.8000	.8000	.8000	.8000
Zinc:													
Imports, total (zinc content)\$..... short tons..	21,890	28,417	43,169	34,914	19,911	33,853	27,216	31,601	41,030	29,364	22,061	33,645	-----
For smelting, refining, and export\$..... do.....	5,441	3,624	5,441	22,482	5,842	10,083	6,367	11,534	9,025	8,430	1,510	562	-----
For domestic consumption:\$													
Ore (zinc content)..... do.....	9,837	14,984	24,439	6,793	6,981	18,847	13,940	15,228	26,406	17,842	14,953	27,295	-----
Blocks, pigs, etc..... do.....	6,612	9,809	13,289	5,639	7,088	4,923	6,909	4,839	5,509	3,092	5,598	5,788	-----
Mine production of recoverable zinc*..... do.....	50,574	52,126	55,075	51,296	55,314	57,237	57,791	60,596	47,515	48,306	47,126	50,643	-----
Slab zinc:													
Price, wholesale, prime Western (St. Louis)..... dol. per lb..	.1012	.1050	.1050	.1050	.1050	.1050	.1050	.1050	.1050	.1050	.1050	.1050	.1050
Production⊙..... short tons..	66,873	70,176	72,332	65,198	75,376	73,891	73,970	70,990	66,852	67,867	71,745	69,682	-----
Shipments⊙..... do.....	91,429	90,204	74,795	76,074	75,788	72,243	70,803	63,527	59,737	89,314	92,549	129,046	79,789
Domestic⊙..... do.....	75,781	77,904	67,211	65,356	67,325	61,715	58,827	52,390	44,801	52,122	50,558	58,460	65,702
Stocks, end of month⊙..... do.....	195,828	175,800	173,337	162,461	162,049	163,697	166,864	174,327	183,718	161,256	136,574	79,273	69,166

* Revised. ⊙ Beginning 1943, data have covered the entire industry. † See note marked "⊙".
 ‡ It is believed that data beginning 1945 represent substantially the entire industry; in prewar years the coverage was about 90 percent.
 ⊙ Total shipments less shipments to members of the industry for further conversion; data prior to 1944 were production for sale.
 § Data continue series published in the 1942 Supplement but suspended during the war period; data for October 1941–February 1945 will be published later. The data shown above for total imports of zinc and imports of zinc ore, and data beginning March 1945 shown in previous issues, have been revised to correct an error.
 ⊙ Beginning January 1947 data for copper include copper from all sources; earlier data relate to domestic and duty-free foreign copper; stock figure for January 1, 1947, comparable with later data, is 104,704 tons; the November 1947 Survey provides January–March 1947 figures for production, deliveries, and stocks comparable with earlier data; deliveries include deliveries of Office of Metal Reserve copper for domestic consumption; stocks of Office of Metal Reserve copper are not included in the stock figures. For data for January 1942–April 1944 for these series, and also for the indicated lead and zinc series, see p. 24 of the June 1944 Survey. Total shipments of zinc include for September 1946 and August–October 1947 shipments for Government account in addition to shipments to domestic consumers and export and drawback shipments.
 * New series. See note marked "*" on p. 8–33 of the February 1947 Survey for description of the data on aluminum fabricated products and reference to 1945 figures for the total; data prior to 1946 for the detail will be published later. Data for closures, crowns, and metal cans are compiled by the Bureau of the Census and cover all producers; for data for 1943 to 1945 for metal cans see p. 24 of the December 1947 Survey; data prior to 1946 for closures and crowns will be shown later. Data for mine production of lead and zinc are from the Department of the Interior, Bureau of Mines, and are practically complete; monthly figures beginning July 1941 and earlier annual totals will be shown later.
 † Revised series. Data shown above and data from the beginning of 1946 in earlier issues include production from both domestic and foreign ore; the 1946–47 data are incorrectly shown in the October 1947 and earlier issues as production from domestic ore which is no longer reported separately. Some secondary material is included insofar as it enters into base mullion and loses its identity.

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947										
	November	December	January	February	March	April	May	June	July	August	September	October	November
METALS AND MANUFACTURES—Continued													
HEATING APPARATUS, EXCEPT ELECTRIC													
Boilers, radiators and convectors, cast iron:§													
Boilers (round and square):													
Production.....thous. of lb.	28,451	19,856	27,982	26,003	29,452	28,849	29,528	25,838	20,506	25,175	29,080	33,090	29,483
Shipments.....do.	30,954	23,694	24,294	23,782	26,073	25,326	23,185	26,342	21,045	28,469	30,464	37,059	31,372
Stocks, end of month.....do.	35,088	32,173	35,861	38,082	41,461	44,984	51,327	50,824	50,285	46,991	45,607	41,638	39,749
Radiation:													
Production.....thous. of sq. ft.	4,321	3,250	4,619	4,168	4,862	4,820	4,984	4,472	4,302	4,073	4,749	5,863	5,217
Shipments.....do.	4,369	4,286	4,065	4,200	4,441	4,597	4,746	4,698	4,032	4,540	4,786	5,980	5,247
Stocks, end of month.....do.	2,768	1,732	2,256	2,254	2,675	2,899	3,137	2,909	3,179	2,712	2,675	2,558	2,528
Boilers, range, shipments*.....number	93,137	81,608	78,400	60,821	67,140	66,597	64,415	55,220	48,464	52,967	51,986	56,372	-----
Oil burners:•													
Orders, new, net.....do.	105,689	86,196	87,872	118,308	11,795	10,338	5,959	34,963	1,650	85,573	37,582	4,421	-----
Orders, unfilled, end of month.....do.	990,350	1,002,380	1,008,813	1,045,876	1,077,832	968,114	874,902	804,608	703,704	666,633	576,254	443,385	-----
Shipments.....do.	72,305	74,166	81,439	81,245	96,694	99,380	99,171	105,527	102,554	122,644	127,961	128,448	-----
Stocks, end of month.....do.	7,588	7,039	10,487	11,903	14,745	13,337	15,392	18,924	22,657	20,335	20,462	20,493	-----
Stoves and ranges, domestic cooking, exc. electric:*													
Production, total.....number	254,261	226,291	299,947	281,510	305,406	313,694	288,178	287,697	256,785	259,863	290,760	331,755	-----
Coal and wood.....do.	33,175	31,701	39,317	40,411	46,175	49,288	44,814	39,373	36,126	36,945	35,631	34,602	-----
Gas (incl. bungalow and combination).....do.	172,054	153,972	203,268	188,387	203,631	210,406	193,684	202,954	179,647	186,231	213,436	256,241	-----
Kerosene, gasoline, and fuel oil.....do.	49,032	40,618	57,362	52,712	55,600	54,000	49,680	45,370	41,012	36,687	41,693	40,912	-----
Stoves, domestic heating, production, total*.....do.	466,854	457,360	467,577	360,150	388,957	416,216	412,517	446,533	477,651	559,473	691,341	785,087	-----
Coal and wood*.....do.	163,115	151,979	131,053	89,049	97,264	95,063	92,349	90,728	103,459	109,048	142,698	169,468	-----
Gas*.....do.	151,271	162,518	160,936	139,879	159,496	175,282	157,716	175,940	186,412	216,767	254,517	293,879	-----
Kerosene, gasoline, and fuel oil*.....do.	152,468	142,863	175,588	131,222	132,197	145,871	162,452	179,865	187,780	233,658	294,126	321,740	-----
Warm-air furnaces (forced air and gravity air flow), shipments, total*.....number	89,005	78,167	76,537	66,308	60,196	55,297	54,864	54,985	56,498	80,891	90,210	108,365	-----
Gas*.....do.	29,089	26,292	28,954	23,944	14,562	14,209	9,876	9,669	9,569	13,563	15,214	19,632	-----
Oil*.....do.	12,296	14,385	14,980	17,552	22,683	22,058	24,631	25,128	21,767	32,480	34,286	36,658	-----
Solid fuel*.....do.	47,620	37,490	32,603	24,812	22,951	27,587	20,357	20,188	25,172	34,848	40,710	52,075	-----
Water heaters, nonelectric, shipments*.....do.	263,199	256,786	293,315	270,843	282,408	244,626	210,487	192,372	197,485	217,966	210,350	229,685	-----
MACHINERY AND APPARATUS													
Blowers, fans and unit heaters:													
Blowers and fans, new orders.....thous. of dol.	-----	15,292	-----	-----	14,953	-----	-----	10,234	-----	-----	8,452	-----	-----
Unit heater group, new orders.....do.	-----	10,113	-----	-----	7,216	-----	-----	6,059	-----	-----	7,912	-----	-----
Foundry equipment:													
New orders, net, total.....1937-39=100.	477.4	430.9	513.4	521.9	573.8	512.1	548.6	649.9	458.7	468.9	455.1	520.0	370.1
New equipment.....do.	421.0	379.0	466.9	472.5	532.3	445.9	525.9	658.9	426.1	411.3	393.1	438.2	286.1
Repairs.....do.	661.5	600.3	665.0	682.9	709.5	727.9	623.0	620.7	565.3	656.8	657.7	786.7	643.1
Machine tools, shipments*.....thous. of dol.	26,176	27,587	26,542	26,765	29,012	26,857	25,791	24,383	18,924	18,520	22,285	27,545	24,505
Mechanical stokers, sales:•													
Classes 1, 2, and 3.....number	14,946	7,594	4,282	2,306	3,598	4,061	5,281	5,851	7,092	9,041	9,838	8,194	3,716
Classes 4 and 5:													
Number.....do.	357	339	215	177	280	174	170	270	380	398	345	273	207
Horsepower.....do.	58,495	49,903	54,852	52,705	56,661	57,563	52,981	63,168	81,269	97,752	80,640	52,523	51,478
Pumps and water systems, domestic, shipments:•													
Domestic hand and windmill pumps.....number	28,917	23,434	26,737	28,310	36,261	36,578	38,745	36,946	23,561	21,101	26,618	36,213	30,630
Water systems, including pumps, total.....do.	57,986	62,319	59,545	64,455	62,586	70,792	61,045	54,300	56,183	61,559	63,181	73,688	57,496
Jet*.....do.	30,103	34,141	31,125	33,930	32,773	35,671	29,173	21,564	26,015	28,150	28,580	32,005	25,323
Nonjet*.....do.	27,883	28,178	28,420	30,525	29,813	35,121	31,872	32,736	30,168	33,409	34,601	41,683	32,173
Pumps, steam, power, centrifugal and rotary, new orders.....thous. of dol.	3,260	3,035	3,428	3,506	3,464	3,638	2,973	2,999	3,148	3,843	3,355	3,475	2,673
Scales and balances (except laboratory), shipments, quarterly*.....thous. of dol.	-----	9,864	-----	-----	10,089	-----	-----	11,938	-----	-----	11,638	-----	-----
Sewing machines, heads, production:*													
Industrial.....number	10,832	10,764	12,506	11,368	11,687	14,002	11,835	11,575	-----	-----	-----	-----	-----
ELECTRICAL EQUIPMENT													
Battery shipments (automotive replacement only), number*.....thousands	1,150	1,213	1,509	1,601	1,798	1,868	1,873	1,737	1,433	2,073	2,415	2,854	2,689
Domestic electrical appliances, shipments:													
Vacuum cleaners, total*.....number	268,432	272,949	265,790	279,219	327,528	341,360	330,675	343,229	293,465	296,570	347,601	-----	-----
Floor.....do.	260,572	265,364	258,892	272,927	321,515	330,426	318,094	329,986	280,585	279,237	328,630	-----	-----
Hand.....do.	7,860	7,585	6,898	6,292	6,013	10,934	12,581	13,243	12,880	17,333	18,971	-----	-----
Washers*.....do.	216,634	190,770	259,233	255,611	290,397	320,969	313,724	314,705	281,826	279,229	354,094	394,649	-----
Electrical products:†													
Insulating materials, sales billed.....1936=100.	331	337	388	373	405	405	361	352	324	320	350	381	-----
Motors and generators, new orders.....do.	-----	493	-----	-----	459	-----	-----	394	-----	-----	308	-----	-----
Furnaces, electric, industrial, sales:													
Unit.....kilowatts	4,227	3,615	7,528	5,060	6,514	8,854	3,586	3,341	5,298	4,464	4,465	4,465	-----
Value.....thous. of dol.	600	322	789	476	551	1,079	389	308	432	565	354	-----	-----
Laminated fiber products, shipments.....do.	4,074	4,168	4,550	4,471	4,859	4,687	4,092	4,150	4,002	3,619	4,150	4,397	3,812
Motors (1-200 h. p.):•													
Polyphase induction, billings.....do.	8,437	9,861	-----	-----	29,589	-----	-----	32,668	-----	-----	30,280	-----	-----
Polyphase induction, new orders.....do.	11,962	13,875	-----	-----	38,332	-----	-----	31,849	-----	-----	22,328	-----	-----
Direct current, billings.....do.	1,222	1,825	-----	-----	4,359	-----	-----	4,821	-----	-----	4,935	-----	-----
Direct current, new orders.....do.	1,215	3,620	-----	-----	5,318	-----	-----	5,155	-----	-----	4,118	-----	-----
Rigid steel conduit and fittings, shipments†.....short tons	20,533	24,252	18,297	18,757	20,088	21,110	22,141	22,218	20,821	19,745	23,638	23,664	-----
Vulcanized fiber:													
Consumption of fiber paper.....thous. of lb.	4,741	4,241	5,004	4,488	4,598	4,824	5,086	4,771	4,582	5,124	4,820	5,442	5,107
Shipments.....thous. of dol.	1,640	1,701	1,942	1,744	1,757	1,791	1,758	1,625	1,425	1,559	1,599	1,731	1,486

* Revised.

† Cancellations exceeded new orders.

§ See p. 24 of the January 1947 Survey for available data for 1942-45 for cast-iron boilers and radiation; these series continue data published in the 1942 Supplement.

• See notes on the indicated items on p. S-33 or S-34 of the September 1947 Survey for source and coverage of data for vacuum cleaners and coverage of the data for oil burners, mechanical stokers, and pumps and water systems. Data for washers are from the American Washer and Ironer Manufacturers' Association and beginning January 1947, are estimated industry totals based on reports representing around 92 percent of the total; earlier data cover only companies reporting to the Association; comparison with total industry shipments compiled by the Bureau of the Census for January-September 1946 indicates that data for this period represented about 97 percent of the industry; information is not available at present on the coverage of data for the latter part of 1946.

• Beginning 1947 data for motors are collected quarterly and data shown are quarterly totals; the 1947 data for polyphase induction motors include 6-7 companies and for direct current motors 2-3 companies which did not report prior to 1947; information regarding the effect of these additions on the comparability of the data is not available at present.

* New series. Data for range boilers, stoves and ranges, warm-air furnaces, water heaters, sewing machines and scales and balances are compiled by the Bureau of the Census and are complete, or practically complete; data for 1943-45 for domestic heating stoves are shown on p. 20 of the April 1947 Survey; data prior to 1946 for the other series will be shown later (data beginning March 1944 for total shipments of warm-air furnaces are available in the May 1945 Survey). For source of data on machine tool shipments and reference for 1940-42 data, see note on p. S-34 of February 1947 Survey and for data beginning August 1942 for automotive replacement battery shipments, see p. S-31 of November 1943 Survey.

† Revised series. See note in February 1947 Survey regarding unpublished revisions in the indexes of new orders for motors and generators and sales of insulating materials; the index for motors and generators is now computed on a quarterly basis and represent quarterly totals. Data on rigid steel conduit and fittings were revised in the July 1946 Survey (see note in that issue).

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947										
	November	December	January	February	March	April	May	June	July	August	September	October	November
PAPER AND PRINTING—Continued													
PAPER AND PAPER PRODUCTS—Con.													
Paper products:													
Shipping containers, corrugated and solid fiber, shipments*..... mil. sq. ft. surface area.....	5,242	4,828	5,475	5,289	5,566	5,438	5,245	4,662	4,592	4,818	4,893	5,394	5,086
Folding paper boxes, value:*..... 1936=100.....	368.9	425.9	499.9	447.2	431.6	422.5	408.7	341.5	330.8	372.6	393.5	448.0	375.5
Shipments..... do.....	396.8	409.7	478.7	465.8	485.7	488.9	470.6	460.9	396.0	439.3	454.3	500.5	450.4
PRINTING													
Book publication, total.....no. of editions.....	863	846	470	557	1,027	852	811	531	592	678	647	772	-----
New books.....do.....	704	621	372	436	808	678	650	426	439	526	549	639	-----
New editions.....do.....	159	225	98	121	219	174	161	105	153	152	98	133	-----

PETROLEUM AND COAL PRODUCTS

COAL													
Anthracite:													
Exports§.....thous. of short tons.....	556	957	577	396	528	880	831	714	700	853	859	830	-----
Prices, composite, chestnut:													
Retail†.....dol. per short ton.....	16.80	16.63	16.87	16.84	16.83	16.82	16.17	16.17	16.50	17.48	17.71	17.87	18.01
Wholesale.....do.....	13.597	13.620	13.768	13.753	13.767	13.650	13.455	13.520	13.713	14.615	14.700	14.732	14.783
Production.....thous. of short tons.....	4,975	5,065	5,155	4,240	4,967	4,279	4,549	4,609	4,084	4,994	5,141	5,506	4,413
Bituminous:													
Exports§.....do.....	3,644	1,712	3,192	3,183	4,164	4,556	7,552	7,560	5,870	8,322	7,085	6,951	-----
Industrial consumption and retail deliveries, total.....thous. of short tons.....	44,516	45,940	52,955	49,758	49,705	42,945	40,683	40,029	38,661	40,033	43,706	48,006	48,163
Industrial consumption, total.....do.....	35,401	37,281	40,010	37,214	38,716	36,451	34,838	33,705	33,343	34,975	36,670	40,252	40,153
Beehive coke ovens.....do.....	562	599	877	798	907	671	922	711	662	897	916	965	857
Byproduct coke ovens.....do.....	6,992	6,757	7,964	7,245	8,030	7,655	7,861	7,586	7,696	8,033	7,658	8,278	8,091
Cement mills.....do.....	694	676	658	607	652	640	515	627	648	672	662	704	730
Electric power utilities.....do.....	6,447	6,732	7,158	6,594	6,940	6,414	6,422	6,366	6,719	7,466	7,616	8,121	7,737
Railways (class I).....do.....	8,779	9,515	10,104	9,431	10,137	9,226	9,017	8,385	8,151	8,527	8,450	9,048	9,167
Steel and rolling mills.....do.....	8,799	871	943	904	945	858	802	742	718	736	741	826	867
Other industrial.....do.....	11,028	12,131	12,306	11,635	11,104	10,987	9,299	9,288	8,749	8,644	10,627	12,310	12,704
Retail deliveries.....do.....	9,115	8,659	12,945	12,544	10,989	6,494	5,845	6,324	5,318	5,058	7,036	7,754	8,010
Other consumption:													
Vessels (bunker)§.....do.....	135	88	77	91	125	150	200	177	149	179	156	161	-----
Coal mine fuel.....do.....	158	179	249	214	233	174	240	202	168	216	191	209	191
Prices, composite:													
Retail (34 cities)†.....dol. per short ton.....	11.14	11.22	11.82	11.97	11.99	12.00	12.09	12.10	12.68	14.01	14.04	14.15	14.49
Wholesale:													
Mine run.....do.....	5.998	6.044	6.217	6.230	6.252	6.334	6.344	6.368	7.113	7.410	7.441	7.509	7.528
Prepared sizes.....do.....	6.212	6.305	6.506	6.526	6.532	6.569	6.573	6.581	7.334	7.634	7.649	7.787	7.876
Production.....thous. of short tons.....	37,501	43,746	58,970	51,400	55,375	41,187	56,484	47,500	39,866	50,870	52,420	57,210	52,350
Stocks, industrial and retail dealers, end of month, total.....thous. of short tons.....	52,429	47,157	49,688	47,867	49,033	42,419	50,218	49,778	45,366	47,157	48,370	50,276	50,455
Industrial, total.....do.....	49,546	44,453	46,522	45,736	46,906	40,298	47,312	46,384	42,176	45,199	46,353	48,144	48,255
Byproduct coke ovens.....do.....	6,355	5,222	5,919	6,645	7,517	5,417	6,544	7,096	4,804	5,482	6,216	7,310	8,207
Cement mills.....do.....	1,054	887	861	881	929	896	987	1,079	968	894	909	1,049	1,087
Electric power utilities.....do.....	14,549	13,044	13,208	13,453	14,059	13,300	15,190	16,409	15,292	15,739	16,154	16,772	16,673
Railways (class I).....do.....	7,587	6,959	7,673	7,882	8,262	7,579	8,221	8,517	6,808	6,522	6,227	6,305	6,156
Steel and rolling mills.....do.....	877	785	909	985	1,162	1,046	1,153	1,226	1,086	1,128	1,089	1,076	985
Other industrial.....do.....	19,124	17,556	17,952	16,090	14,977	12,060	15,307	12,057	13,218	15,434	15,758	15,632	15,747
Retail dealers, total.....do.....	2,883	2,704	3,166	2,131	2,127	2,121	2,906	3,394	3,190	1,958	2,017	2,132	2,200
COKE													
Exports§.....thous. of short tons.....	78	49	49	38	69	76	66	63	66	77	60	118	-----
Price, beehive, Connellsville (furnace).....dol. per short ton.....	8.750	8.750	8.812	8.875	8.875	9.062	9.125	9.562	11.000	12.000	12.000	12.125	12.250
Production:													
Beehive.....thous. of short tons.....	372	396	562	514	580	429	587	452	421	569	582	615	545
Byproduct.....do.....	4,954	4,797	5,619	5,129	5,658	5,383	5,530	5,322	5,373	5,633	5,396	5,797	5,650
Petroleum coke.....do.....	191	197	203	178	209	195	218	201	224	200	192	210	-----
Stocks, end of month:													
Byproduct plants, total.....do.....	1,034	893	797	716	676	652	671	668	773	982	1,029	1,077	1,151
At furnace plants.....do.....	602	542	523	527	504	460	445	400	458	544	509	527	589
At merchant plants.....do.....	432	351	274	189	172	191	226	268	315	438	520	550	562
Petroleum coke.....do.....	93	90	94	77	91	89	84	89	86	110	95	97	-----
PETROLEUM AND PRODUCTS													
Crude petroleum:													
Consumption (runs to stills)†.....thous. of bbl.....	140,514	148,171	146,897	134,953	150,120	141,210	153,348	153,604	161,844	163,068	159,771	162,854	-----
Exports§.....do.....	3,794	3,542	2,481	2,585	3,257	3,999	4,789	3,758	5,184	4,139	4,087	3,699	-----
Imports§.....do.....	6,176	8,422	8,956	8,172	8,916	7,846	8,361	7,762	8,033	7,919	8,591	7,908	-----
Price (Kansas-Okl.) at wells.....dol. per bbl.....	1.485	1.560	1.560	1.560	1.710	1.810	1.810	1.810	1.810	1.810	1.810	1.910	2.010
Production†.....thous. of bbl.....	144,674	146,471	144,800	134,693	152,160	149,228	156,024	152,978	159,237	160,365	157,530	164,913	-----
Refinery operations.....pct. of capacity.....	93	95	94	95	94	94	95	97	98	98	99	97	-----
Stocks, end of month:													
Refinable in U. S.†.....thous. of bbl.....	226,453	224,473	223,848	225,121	228,981	235,710	237,768	237,278	230,974	228,523	225,258	226,666	-----
At refineries.....do.....	53,344	53,113	53,833	57,106	59,310	60,386	59,013	59,160	56,656	57,136	54,050	53,849	-----
At tank farms and in pipe lines.....do.....	158,207	156,238	152,988	153,160	154,637	160,484	163,740	162,784	159,556	156,241	156,276	157,853	-----
On leases†.....do.....	14,902	15,122	15,027	14,855	15,034	14,840	15,015	15,334	14,762	15,146	14,932	14,964	-----
Heavy in California.....do.....	5,335	5,703	5,584	5,790	5,959	5,953	5,825	5,429	5,208	5,320	5,194	5,275	-----
Wells completed†.....number.....	1,314	1,248	1,453	1,196	1,358	1,247	1,626	1,523	1,842	1,810	1,522	1,760	-----
Refined petroleum products:													
Fuel oils:													
Domestic demand:§													
Distillate fuel oil.....thous. of bbl.....	23,110	32,450	35,294	31,687	29,279	21,321	19,262	16,977	16,355	16,093	19,414	23,126	-----
Residual fuel oil.....do.....	41,497	47,405	48,299	43,308	45,852	42,140	40,057	38,237	40,412	39,864	40,677	43,995	-----
Consumption by type of consumer:													
Electric power plants†.....do.....	4,376	5,315	4,426	6,696	3,564	3,462	3,263	3,273	3,715	3,810	3,927	4,039	3,862
Railways (class I).....do.....	7,307	7,607	7,460	6,537	7,138	6,675	6,563	6,564	6,714	6,650	6,506	6,941	-----
Vessels (bunker oil)§.....do.....	5,002	5,579	5,818	5,710	6,164	6,132	6,470	6,080	6,371	6,676	6,948	5,901	-----

† Revised.

‡ Data continue series published in the 1942 Supplement but suspended during the war period; data for October 1941-February 1945 will be published later.

§ The comparability of the data is affected in some months by a reduction in the number of cities or by a change in the sample; averages August, September, November, and December 1946 and January 1947 comparable in each case with data shown above for the following months are given in notes in the September 1947 Survey; February-July 1947 data are directly comparable and cover 16 cities for anthracite and 30 cities for bituminous coal. July 1947 averages comparable with August for anthracite and bituminous are \$16.46 and \$13.04, respectively.

* New series. For data beginning 1934 for shipping containers, see p. 20 of the September 1944 Survey. For data beginning June 1943 for folding paper boxes, see p. 5-32 of the August 1944 Survey. Revisions in the January-September 1946 figures for folding paper boxes and January 1943-May 1944 data for shipping containers are available on request.

† Revised series. See note marked "†" on p. S-36 of the September 1947 Survey for reference to 1941-45 revisions for bituminous coal production and 1941 revisions for the indicated series on petroleum products; 1942-43 revisions for the latter series are available upon request.

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947										
	November	December	January	February	March	April	May	June	July	August	September	October	November
PETROLEUM AND COAL PRODUCTS—Continued													
PETROLEUM AND PRODUCTS—Continued													
Refined petroleum products—Continued													
Fuel oils—Continued													
Exports:—													
Distillate fuel oil.....thous. of bbl.	758	1,273	876	1,751	2,093	2,766	2,189	2,088	2,987	3,019	2,990	3,058	-----
Residual fuel oil.....do.	316	831	733	713	672	635	593	679	600	781	821	797	-----
Price, fuel oil (Pennsylvania).....dol. per gal.	.062	.066	.070	.070	.071	.073	.075	.075	.079	.085	.087	.090	.092
Production:													
Distillate fuel oil.....thous. of bbl.	23,741	24,970	24,131	21,746	25,577	22,925	24,954	24,214	26,270	26,946	27,325	29,072	-----
Residual fuel oil.....do.	33,015	35,937	36,390	34,390	37,876	34,438	37,328	37,328	38,550	38,592	37,098	39,066	-----
Stocks, end of month:													
Distillate fuel oil.....do.	68,145	59,620	48,197	36,901	31,423	30,268	34,279	39,676	46,444	54,707	59,764	63,252	-----
Residual fuel oil.....do.	52,735	47,094	41,550	38,480	37,403	36,455	39,992	43,515	47,600	51,334	52,578	52,502	-----
Kerosene:													
Domestic demand\$.....do.	8,899	11,513	12,325	10,532	10,078	8,082	6,068	5,910	5,348	5,447	6,580	8,163	-----
Exports\$.....do.	414	664	394	929	1,017	889	202	711	746	313	476	578	-----
Price, wholesale, water white, 47° refinery (Pennsylvania).....dol. per gal.	.074	.075	.076	.076	.078	.081	.082	.082	.088	.092	.095	.095	.095
Production.....thous. of bbl.	7,893	8,782	9,415	9,243	9,476	8,854	9,284	8,717	9,117	8,970	8,547	9,308	-----
Stocks, refinery, end of month.....do.	12,734	9,772	7,299	6,126	5,200	4,870	7,328	8,956	10,867	13,161	14,286	14,908	-----
Lubricants:													
Domestic demand\$.....do.	2,900	2,900	2,951	2,680	2,929	3,066	3,104	2,873	3,003	3,051	3,217	3,427	-----
Exports\$.....do.	906	1,063	1,105	1,254	1,273	1,259	1,361	1,338	1,300	1,105	896	1,090	-----
Price, wholesale, cylinder, refinery (Pennsylvania).....dol. per gal.	.250	.274	.298	.300	.308	.310	.310	.330	.338	.350	.352	.360	.360
Production.....thous. of bbl.	3,857	4,135	4,204	3,925	4,480	4,267	4,608	4,427	4,227	4,400	4,047	4,350	-----
Stocks, refinery, end of month.....do.	7,384	7,564	7,773	7,753	8,015	7,936	8,070	8,281	8,188	8,420	8,340	8,157	-----
Motor fuel:													
All types:													
Domestic demand\$.....do.	61,315	61,043	57,057	50,551	59,947	63,406	70,865	71,329	73,441	72,089	71,384	73,277	-----
Exports\$.....do.	3,068	3,688	2,892	4,834	4,091	3,358	3,480	3,937	4,009	3,224	3,078	3,171	-----
Prices, gasoline:													
Wholesale, refinery (Okla.).....dol. per gal.	.070	.070	.070	.070	.076	.080	.080	.080	.080	.083	.084	.085	.090
Wholesale, tank wagon (N. Y.).....do.	.159	.161	.161	.161	.167	.172	.172	.172	.174	.174	.176	.176	.178
Retail, service stations, 50 cities.....do.	.156	.157	.158	.159	.171	.171	.171	.171	.172	.174	.173	.178	.179
Production, total.....thous. of bbl.	66,072	69,028	65,904	60,485	66,701	63,374	68,535	69,847	73,494	75,745	72,944	75,656	-----
Gasoline and naphtha from crude oil.....do.	58,636	61,387	58,560	53,914	59,069	55,502	60,681	61,855	65,200	67,404	64,744	67,150	-----
Natural gasoline and allied products†.....do.	10,155	10,651	10,651	9,944	11,033	10,803	10,392	10,505	11,019	11,254	11,096	11,682	-----
Sales of l. p. g. for fuel, etc. and transfer of cycle products.....thous. of bbl.	2,719	3,010	3,307	3,050	3,401	2,931	2,538	2,513	2,725	2,913	2,896	3,179	-----
Used at refineries.....do.	6,232	5,813	5,859	4,908	5,271	5,618	5,300	5,898	6,176	6,477	6,513	6,355	-----
Retail distribution.....mil. of gal.	2,501	2,520	2,319	2,173	2,449	2,611	2,901	2,931	3,080	3,021	2,891	-----	-----
Stocks, gasoline, end of month:													
Finished gasoline, total.....thous. of bbl.	79,980	84,534	90,300	94,985	96,952	92,719	86,727	81,160	77,069	77,190	75,882	74,710	-----
At refineries.....do.	47,581	51,927	57,066	61,332	63,089	58,852	54,752	50,610	47,929	46,398	45,567	45,084	-----
Unfinished gasoline.....do.	8,607	8,208	9,323	8,687	8,727	9,005	8,482	8,614	8,934	8,659	8,478	7,874	-----
Natural gasoline.....do.	5,487	4,981	4,794	5,010	5,265	5,604	5,566	5,452	5,269	5,017	4,456	4,221	-----
Aviation gasoline:*													
Production, total.....do.	1,942	1,989	1,805	1,943	2,221	2,446	2,870	3,003	3,467	3,664	3,733	3,449	-----
100 octane and above.....do.	550	675	704	713	954	566	1,219	1,353	1,545	2,061	2,258	2,121	-----
Stocks, total.....do.	4,742	4,553	4,322	4,293	4,168	4,692	4,811	4,847	5,144	5,480	5,803	5,919	-----
100 octane and above.....do.	1,635	1,472	1,410	1,374	1,342	1,381	1,543	1,671	1,804	1,968	2,198	2,338	-----
Asphalt:													
Imports\$.....short tons	0	88	12,756	21,441	12,022	21,923	22,762	12,424	24,591	26,191	10,189	47,889	-----
Production.....do.	670,400	615,800	540,500	532,400	602,700	606,700	789,300	823,800	879,800	987,500	931,800	901,100	-----
Stocks, refinery, end of month.....do.	622,200	702,000	781,800	888,200	1,001,800	1,028,500	1,063,100	1,000,500	866,200	716,500	597,800	540,700	-----
Wax:													
Production.....thous. of lb.	79,240	79,800	83,720	81,760	93,520	80,080	89,600	78,120	89,600	66,080	89,880	80,080	-----
Stocks, refinery, end of month.....do.	89,880	86,240	82,040	85,120	91,560	85,680	89,320	88,200	93,520	87,920	96,320	91,000	-----
Asphalt prepared roofing, shipments, total†													
Smooth-surfaced roll roofing and cap sheet.....thous. of squares	5,328	5,231	5,827	5,300	5,809	6,097	5,968	5,806	5,600	5,672	5,886	6,640	5,571
Mineral-surfaced roll roofing and cap sheet.....do.	1,725	1,691	1,942	1,886	1,969	1,997	1,798	1,747	1,630	1,590	1,699	1,908	1,654
Shingles, all types.....do.	1,168	1,134	1,287	1,162	1,273	1,326	1,399	1,368	1,287	1,332	1,368	1,529	1,259
Saturated felt, shipments*.....do.	447	364	436	421	461	440	384	334	271	283	300	353	334
Saturated felt, shipments*.....short tons	25,286	25,089	25,584	25,482	28,408	30,277	30,456	32,758	33,234	35,456	39,565	42,637	36,680

RUBBER AND RUBBER PRODUCTS

RUBBER													
Natural rubber:													
Consumption\$.....long tons	37,323	38,802	45,328	40,983	43,104	43,818	43,018	42,529	40,389	47,289	50,557	57,286	52,014
Imports, including latex and Guayule\$.....do.	59,266	46,658	92,779	60,678	36,088	46,011	93,026	65,724	57,626	45,526	46,285	49,970	-----
Stocks, end of month\$.....do.	218,672	237,467	294,191	283,479	280,812	292,970	330,960	345,175	131,624	130,040	122,097	114,115	110,824
Synthetic rubber:*													
Consumption.....do.	57,794	53,453	58,764	53,321	55,514	54,333	48,692	42,580	37,607	39,061	41,865	45,668	39,057
Exports.....do.	1,786	1,877	3,450	2,434	710	665	441	2,290	454	287	349	202	-----
Production.....do.	60,305	62,648	62,108	59,125	57,478	50,117	39,069	35,681	31,917	32,901	30,518	33,834	37,825
Stocks, end of month.....do.	113,556	114,963	110,655	119,912	121,322	116,829	105,291	97,612	197,728	191,288	179,246	167,379	167,858
Reclaimed rubber:\$													
Consumption.....do.	24,385	23,597	27,715	25,484	26,157	25,066	21,908	21,283	20,433	21,003	23,801	26,735	23,425
Production.....do.	24,748	25,254	25,545	23,990	26,209	26,696	25,408	24,144	21,252	21,658	22,561	25,648	23,145
Stocks, end of month.....do.	33,516	33,666	30,053	27,417	31,940	33,527	37,145	39,598	139,704	140,130	138,461	136,643	136,347
TIRES AND TUBES													
Pneumatic casings:\$													
Exports.....thousands	358	413	411	353	363	419	502	423	362	360	299	324	-----
Production.....do.	7,595	7,511	8,608	7,015	8,577	8,333	8,104	7,583	6,790	7,165	7,919	8,880	-----
Shipments.....do.	7,478	8,137	7,499	7,360	7,892	7,273	7,283	7,526	7,441	7,520	8,246	8,639	-----
Original equipment.....do.	1,656	1,839	1,922	2,138	2,457	1,894	2,005	2,130	1,974	1,793	2,128	2,178	-----
Stocks, end of month.....do.	3,112	2,448	3,328	3,865	4,516	5,608	6,426	6,670	5,838	5,464	5,191	5,513	-----

* Revised. † Beginning July 1947 data are reported stocks available to industry. ‡ See note in the April 1946 Survey. Revisions for January 1945-July 1946 will be shown later. § Data continue series published in the 1942 Supplement but suspended during the war period; data for 1941-45 for reclaimed and natural rubber and for tires and tubes (p. S-38) are shown on pp. 22 and 23 of the December 1946 Survey; data for October 1941-February 1945 for other series will be shown later. ¶ Includes natural gasoline, cycle products, liquefied petroleum gases at natural gasoline plants and benzol; sales of liquefied petroleum gas for fuels and for chemicals and transfers of cycle products are deducted before combining the data with gasoline and naphtha to obtain total motor fuel production. *New series. † Data beginning 1939 for aviation gasoline, compiled by the Bureau of Mines, and data beginning 1943 for asphalt siding and saturated felts, compiled by the Bureau of the Census, will be published later. ‡ For data for 1941-45 for synthetic rubber, see p. 23 of December 1946 Survey. †Revised series. ‡ For 1941 revisions for the indicated series on petroleum and products, see notes marked "†" on p. S-33 of the March and April 1943 issues; 1942-43 revisions are available on request. See note in April 1945 Survey for explanation of revision in data for asphalt roofing.

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947										
	November	December	January	February	March	April	May	June	July	August	September	October	November
RUBBER AND RUBBER PRODUCTS—Continued													
TIRES AND TUBES—Continued													
Inner tubes:\$													
Exports..... thousands..	258	313	334	282	297	337	475	332	282	227	166	191	-----
Production..... do.....	7,680	7,402	8,719	7,841	7,921	7,093	5,752	5,440	4,542	5,179	* 6,540	7,619	-----
Shipments..... do.....	7,260	7,923	7,188	6,289	6,466	5,731	5,571	5,779	6,216	6,499	7,233	7,616	-----
Stocks, end of month..... do.....	4,483	3,820	5,075	6,621	8,050	9,480	9,772	9,413	7,909	6,937	6,339	6,424	-----

STONE, CLAY, AND GLASS PRODUCTS

ABRASIVE PRODUCTS													
Coated abrasive paper and cloth, shipments, reams..	164,733	145,383	151,364	143,017	158,716	155,873	146,352	134,834	126,722	130,489	146,111	146,754	-----
PORTLAND CEMENT													
Production..... thous. of bbl..	15,335	14,557	13,406	12,618	14,205	14,566	13,389	15,971	16,342	17,480	17,319	18,300	16,814
Percent of capacity..... do.....	78	71	66	68	69	74	66	81	80	86	88	90	85
Shipments*..... thous. of bbl..	14,803	11,494	8,395	8,434	12,133	15,414	16,328	18,188	20,099	20,365	19,840	20,562	16,277
Stocks, finished, end of month..... do.....	7,830	10,921	15,931	20,112	22,178	21,331	19,388	17,096	13,337	10,452	7,921	* 5,668	6,215
Stocks, clinker, end of month..... do.....	3,512	3,886	4,593	5,354	5,996	6,338	6,326	5,736	5,514	4,822	3,889	* 3,114	2,900
CLAY PRODUCTS													
Brick, unglazed:													
Price, wholesale, common, composite, f. o. b. plant dol. per thous.	19,000	19,095	19,315	19,361	19,400	19,412	19,416	19,550	19,668	19,937	20,374	20,490	20,636
Production*..... thous. of standard brick	455,676	381,146	376,848	334,624	339,963	377,586	411,991	414,634	438,591	466,592	* 456,943	509,458	-----
Shipments*..... do.....	424,705	354,782	324,868	268,460	326,776	382,610	402,780	406,918	455,616	457,311	* 483,622	536,237	-----
Stocks, end of month*..... do.....	368,953	383,824	448,752	509,022	522,627	515,806	525,985	528,873	504,124	511,977	* 483,156	452,012	-----
Structural tile, unglazed:*													
Production..... short tons..	123,976	113,682	112,119	97,421	97,443	107,543	105,681	101,742	118,814	114,163	* 111,230	114,480	-----
Shipments..... do.....	107,833	102,278	97,764	82,505	96,050	107,101	105,876	98,364	110,220	112,805	* 110,343	119,859	-----
Stocks..... do.....	80,497	87,580	101,950	116,503	118,075	118,637	115,549	117,080	123,943	124,935	* 124,794	117,459	-----
Vitrified clay sewer pipe:*													
Production..... do.....	102,857	103,135	112,992	104,504	109,254	101,914	117,018	115,717	109,686	111,418	117,038	118,958	-----
Shipments..... do.....	98,495	103,313	103,896	93,241	107,758	107,851	114,588	111,547	110,012	110,754	117,530	118,054	-----
Stocks..... do.....	134,560	137,887	143,194	154,653	156,061	150,033	152,314	156,358	155,971	156,544	155,976	156,720	-----
GLASS PRODUCTS													
Glass containers:†													
Production..... thous. of gross..	9,610	9,344	11,153	9,281	10,582	10,358	10,578	9,619	8,877	9,476	9,384	* 9,646	8,430
Shipments, domestic, total..... do.....	9,332	9,352	10,101	8,650	9,645	9,637	9,492	8,316	8,127	8,859	8,781	* 8,767	7,738
General use food:													
Narrow neck food..... do.....	744	723	743	679	918	1,050	1,007	928	764	1,285	1,528	823	483
Wide mouth food (incl. packers tumblers) thous. of gross..	2,978	2,881	3,078	2,445	2,481	2,307	2,079	1,650	1,754	2,322	2,189	2,251	1,867
Beverage..... do.....	517	513	623	569	760	853	962	1,093	1,152	1,212	1,040	* 955	637
Beer bottles..... do.....	573	639	832	804	1,140	1,342	1,697	1,616	1,263	676	632	744	976
Liquor and wine..... do.....	1,372	1,342	1,420	1,262	1,253	993	761	663	575	627	778	1,279	1,501
Medicinal and toilet..... do.....	2,099	2,227	2,295	1,947	1,906	1,967	1,844	1,309	1,449	1,479	1,645	1,795	1,530
Chemical, household and industrial..... do.....	658	651	725	620	658	610	573	433	397	466	452	589	445
Dairy products..... do.....	318	331	359	286	356	354	341	305	308	307	290	315	285
Fruit jars and jelly glasses..... do.....	73	144	125	138	133	161	227	320	464	486	227	117	133
Stocks, end of month..... do.....	3,905	3,591	4,167	4,554	5,141	5,475	6,085	6,849	7,065	7,300	7,478	* 7,896	8,117
Other glassware, machine-made:													
Tumblers:†													
Production..... thous. of dozens..	6,848	6,470	7,586	4,835	6,272	6,639	6,769	6,210	4,993	5,854	4,688	5,833	-----
Shipments..... do.....	6,527	6,242	6,352	4,736	5,975	6,140	6,234	5,261	4,346	4,867	5,994	5,186	-----
Stocks..... do.....	5,544	4,879	5,095	6,478	5,575	6,262	6,672	7,729	7,775	8,158	7,940	8,869	-----
Table, kitchen, and householdware, shipments† thous. of dozens..	3,168	2,298	4,489	2,668	2,213	3,454	3,658	3,331	2,302	3,645	3,483	* 4,511	-----
Plate glass, polished, production..... thous. of sq. ft..	20,781	18,411	21,980	20,268	22,605	21,419	23,171	21,026	17,670	21,401	20,648	22,989	18,777
GYP SUM AND PRODUCTS													
Crude gypsum:													
Imports\$..... thous. of short tons..		542			186			409			918		-----
Production..... do.....		1,642			1,557			1,467			1,507		-----
Calcined, production..... do.....		1,260			1,164			1,166			1,279		-----
Gypsum products sold or used:													
Uncalcined..... short tons..		472,603			519,788			407,354			445,659		-----
Calcined:													
For building uses:													
Base-coat plasters..... do.....		482,306			386,830			391,548			451,070		-----
Keene's cement..... do.....		9,479			11,833			12,520			10,084		-----
All other building plasters..... do.....		115,806			109,089			101,567			104,505		-----
Lath..... thous. of sq. ft..		328,491			364,675			391,142			462,222		-----
Tile..... do.....		5,138			5,464			7,281			6,791		-----
Wallboard♂..... do.....		589,374			517,458			520,358			514,871		-----
Industrial plasters..... short tons..		55,484			58,577			46,745			46,148		-----

TEXTILE PRODUCTS

CLOTHING													
Hosiery:													
Production..... thous. of dozen pairs..	13,289	12,122	14,592	13,171	12,921	13,029	11,672	10,558	10,428	11,615	11,956	13,867	12,847
Shipments..... do.....	13,583	11,953	13,394	12,529	12,711	12,535	11,269	10,542	9,956	11,769	12,681	14,474	13,222
Stocks, end of month..... do.....	16,722	16,802	18,042	18,686	18,980	19,480	19,910	20,795	21,267	21,113	20,388	19,781	19,407
COTTON													
Cotton (exclusive of linters):													
Consumption..... bales..	878,025	776,350	949,994	839,375	875,306	882,390	807,135	729,412	677,780	710,601	727,448	826,216	759,498
Exports\$..... do.....	455,342	361,370	289,672	385,050	382,909	275,104	248,549	302,773	83,918	6,671	123,545	134,190	-----
Imports\$..... do.....	51,218	14,630	10,543	10,381	12,083	9,898	10,730	62,029	8,163	4,984	95,526	97,946	-----
Prices received by farmers†..... dol. per lb..	.292	.300	.297	.306	.319	.323	.335	.341	.359	.332	.312	.307	.319
Prices, wholesale, middling, 1 ¹ / ₁₆ ¢, average, 10 markets..... dol. per lb..	.309	.324	.319	.333	.352	.351	.360	.372	.375	.343	.316	.317	.336

* Revised. † Jelly glasses included with wide mouth food containers. ‡ See note marked "\$" on p. S-37.

♂Includes laminated board reported as component board.

New series. See note marked "" on p. S-37 of September 1947 Survey for reference to tables giving the earliest data available for the clay products series.

†Revised series. See note on p. S-34 of the July 1944 Survey regarding changes in the data for glass containers and comparable figures for 1940-42 and note in May 1946 Survey for changes in the reporting companies for other machine-made glassware. For revisions for farm price of cotton for August 1937-July 1942, see p. S-35 of June 1944 Survey.

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947										
	November	December	January	February	March	April	May	June	July	August	September	October	November
TEXTILE PRODUCTS—Continued													
COTTON—Continued													
Cotton (exclusive of linters)—Continued													
Production:													
Ginnings ¹.....thous. of running bales.....	7,367	7,783	8,166		8,517				194	647	3,899	8,362	10,056
Crop estimate, equivalent 500-lb. bales.....					8,640								11,694
Stocks, domestic cotton in the United States, end of month:													
Warehouses.....thous. of bales.....	6,156	5,933	5,182	4,243	3,301	2,463	1,800	1,168	856	781	2,528	5,032	5,297
Mills.....do.....	2,027	2,124	2,166	2,163	2,149	2,042	1,856	1,601	1,322	1,076	1,058	1,375	1,746
Cotton linters:													
Consumption.....do.....	82	79	94	80	87	85	80	73	82	81	91	103	99
Production.....do.....	169	129	137	96	68	50	34	23	23	32	105	203	188
Stocks, end of month.....do.....	391	437	472	485	483	466	423	382	345	289	296	364	420
COTTON MANUFACTURES													
Cotton cloth:													
Cotton broad woven goods over 12 inches in width, production, quarterly ².....mil. of linear yards.....		2,359				2,474				2,406			
Cotton goods finished, quarterly: ³													
Production, total.....do.....		1,810				1,819				1,760			
Bleached.....do.....		897				926				918			
Plain dyed.....do.....		492				490				438			
Printed.....do.....		421				402				403			
Exports ⁴.....thous. of sq. yd.....	68,907	99,872	86,338	86,808	123,539	138,196	146,686	125,349	129,275	140,686	130,693	136,995	
Imports ⁴.....do.....	1,792	2,190	1,687	1,203	888	907	1,135	472	1,076	883	1,624	1,196	
Prices, wholesale:													
Mill margins.....cents per lb.....	40.78	47.72	51.60	52.36	53.37	51.25	47.86	46.46	49.49	53.96	57.91	58.60	59.43
Denims, 28-inch.....dol. per yd.....	.338	.338	.338	.338	.338	.338	.338	.338	.338	.338	.338	.338	.338
Print cloth, 64 x 60.....do.....	.147	.185	.192	.248	.255	.227	.216	.228	.242	.251	.255	.208	.277
Sheeting, unbleached, 36-inch, 56 x 60.....do.....	.189	.198	.220	.232	.232	.232	.232	.232	.232	.232	.232	.232	.234
Cotton yarn, Southern, price, wholesale, mill:													
22/1, cones, carded, white.....dol. per lb.....	.699	.699	.699	.699	.699	.715	.715	.706	.700	.706	.706	.708	.720
40/1, twisted, carded.....do.....	.819	.819	.819	.819	.819	.882	.882	.882	.890	.921	.921	.926	.951
Spindle activity:													
Active spindles ⁵.....thousands.....	21,524	21,688	21,919	21,954	21,953	21,805	21,624	21,324	21,415	21,197	21,410	21,563	21,432
Active spindle hours, total.....mil. of hr.....	9,499	8,671	10,588	9,590	10,030	10,243	9,928	9,103	8,531	9,034	9,427	10,802	9,530
Average per spindle in place.....hours.....	397	362	444	402	421	428	415	382	388	379	396	452	400
Operations.....pct. of capacity.....	119.6	107.8	123.3	125.6	125.4	121.7	119.7	113.6	101.7	112.9	114.3	122.9	120.6
RAYON AND MANUFACTURES AND SILK													
Rayon yarn and staple fiber:													
Consumption:													
Filament yarn.....mil. of lb.....	58.0	55.9	62.4	56.3	60.0	60.1	59.5	54.7	62.4	62.6	61.5	65.3	62.5
Staple fiber.....do.....	13.0	12.9	15.1	14.9	16.2	18.3	18.6	16.5	18.4	18.6	20.3	23.1	21.4
Imports ⁶.....thous. of lb.....	3,708	4,277	5,770	4,326	4,350	4,233	2,601	2,795	2,327	2,428	3,265	1,342	
Prices, wholesale:													
Yarn, viscose, 150 denier, first quality, minimum filament ⁷.....dol. per lb.....	.585	.620	.620	.670	.670	.670	.670	.670	.670	.670	.670	.670	.670
Staple fiber, viscose, 1½ denier.....do.....	.265	.280	.280	.320	.320	.320	.320	.320	.320	.320	.320	.320	.320
Stocks, producers', end of month:													
Filament yarn.....mil. of lb.....	9.7	6.0	7.3	6.9	7.0	7.7	8.5	8.3	8.6	7.8	8.0	9.1	8.2
Staple fiber.....do.....	2.5	1.6	2.7	2.3	3.1	2.9	3.8	6.6	7.7	6.4	6.4	5.6	5.5
Rayon goods, production, quarterly: ⁸													
Broad woven goods.....thous. of linear yards.....		428,131			463,188			471,425					
Finished, total.....do.....		439,912			465,693			435,333					
White finished.....do.....		50,557			64,070			47,545					
Plain dyed.....do.....		299,595			299,005			301,701					
Printed.....do.....		89,730			102,618			86,087					
Silk, raw:													
Imports ⁹.....thous. of lb.....	1,510	2,672	858	429	186	22	41	3	479	193	175	294	
Price, wholesale, Japan (N. Y.) ¹⁰.....dol. per lb.....	6.405	6.272	6.220	4.682	4.050	(3)	4.000	4.150	4.009	4.025	(3)	(3)	(3)
WOOL													
Consumption (scoured basis): ¹¹													
Apparel class.....thous. of lb.....	47,332	46,020	57,040	48,368	45,724	52,970	38,412	37,864	38,840	38,008	38,124		
Carpet class.....do.....	11,492	11,752	14,250	13,088	13,676	15,995	13,668	13,192	12,685	14,056	13,704		
Imports ¹².....do.....	66,177	56,553	73,716	57,705	67,528	63,291	62,112	57,566	48,942	35,974	41,511	51,412	
Prices, wholesale:													
Raw, territory, 64s, 70s, 80s, scoured ¹³.....dol. per lb.....	1.106	1.145	1.155	1.165	1.195	1.225	1.225	1.225	1.225	1.220	1.220	1.227	1.255
Raw, bright fleece, 56s, greasy ¹⁴.....do.....	.490	.530	.530	.545	.555	.565	.565	.565	.565	.565	.565	.554	.510
Australian, 64-70s, good topmaking, scoured, in bond (Boston) ¹⁵.....dol. per lb.....	.789	.850	.850	.850	.872	.939	.990	1.002	1.040	1.040	1.108	1.165	1.254
Stocks, scoured basis, end of month, total ¹⁶													
Apparel, total ¹⁷.....thous. of lb.....		544,729			505,562			497,836			458,377		
Domestic ¹⁸.....do.....		442,224			411,690			408,485			381,233		
Foreign ¹⁹.....do.....		273,916			248,145			271,009			265,176		
Carpet ²⁰.....do.....		168,308			163,545			137,476			116,057		
		102,505			93,872			89,401			77,144		
WOOL MANUFACTURES													
Machinery activity (weekly average): ²¹													
Looms:													
Woolen and worsted:													
File and Jacquard ²².....thous. of active hours.....						91		78		72		70	
Broad.....do.....	2,551	2,547	2,503	2,632	2,516	2,322	2,186	2,242	1,864	2,171	2,224		
Narrow.....do.....	85	77	75	70	66	47	45	43	39	45	48		
Carpet and rug:													
Broad.....do.....	110	113	109	118	127	131	130	137	98	124	124		
Narrow.....do.....	100	102	101	114	114	117	117	122	92	110	111		
Spinning spindles:													
Woolen.....do.....	117,164	112,558	108,636	108,936	99,693	88,402	82,113	85,052	71,267	91,891	94,930		
Worsted.....do.....	112,384	114,515	114,434	123,186	122,115	118,421	112,268	115,568	88,899	109,789	119,286		
Worsted combs.....do.....	221	226	227	245	245	236	230	230	179	189	195		

¹ Revised. ² Total ginnings of 1946 crop. ³ December 1 estimate of 1947 crop. ⁴ Not available. ⁵ Price for 40s, single, carded; comparable October figure, \$0.834.
⁶ Included in data for broad and narrow looms prior to April 1947. ⁷ Total ginnings to end of month indicated.
⁸ Number active, on last day of month; data through August 1946 shown in the August 1947 Survey and earlier issues are number active at any time during month.
⁹ Price of yarn in cones for 1947; earlier data are for yarn in skeins; price quoted for skeins January 1947 was same as for cones; price for February-July 1947 for yarn in skeins, \$0.690.
¹⁰ Data continue series published in the 1942 Supplement but suspended during the war period; data for October 1941 to February 1945 (July 1946 for silk) will be published later.
¹¹ Data for January, April, July, and October 1947 are for 5 weeks; other months, 4 weeks. Data for wool consumption have been revised to cover consumption only on woolen and worsted goods systems; data previously published through March 1947 include also consumption on silk, cotton and other systems, which are no longer reported.
¹² Revised series. See note marked "†" on p. S-39 of September 1947 Survey for reference to 1941 data for the yarn price series and information regarding revisions in data for wool stocks.
¹³ New series. See notes marked "†" on pp. S-38 and S-39 of the September 1947 Survey for reference to earliest data published for cotton and rayon woven goods production, cotton and rayon goods finished, and wool price series.

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1946		1947										
	November	December	January	February	March	April	May	June	July	August	September	October	November
TEXTILE PRODUCTS—Continued													
WOOL MANUFACTURES—Continued													
Woolen and worsted woven goods (except woven felts):*													
Production, quarterly, total.....thous. of lin. yd.	156,907				144,000			113,865				112,034	
Apparel fabrics.....do.	137,358				125,310			98,021				97,807	
Men's wear.....do.	61,309				60,256			50,161				41,708	
Women's and children's wear.....do.	61,037				48,841			35,440				41,191	
General use and other fabrics.....do.	15,012				15,893			10,206				11,332	
Blankets.....do.	12,211				10,994			7,560				6,348	
Other nonapparel fabrics.....do.	7,338				7,696			8,284				7,879	
Wool yarn:													
Production, total*.....thous. of lb.	71,398	68,303	82,915	68,768	65,276	73,355	55,732	56,704	57,335	59,164		62,032	
Knitting*.....do.	11,495	10,568	12,495	9,712	8,756	8,845	6,328	5,764	5,760	6,316		6,788	
Weaving*.....do.	48,415	46,486	56,615	46,624	43,624	49,425	36,892	37,824	39,210	39,704		41,816	
Carpet and other*.....do.	11,398	11,249	13,805	12,432	12,896	15,085	12,512	13,116	12,365	13,144		13,428	
Price, wholesale, worsted yarn, 2/32s (Boston) dol. per lb.	1.900	1.900	1.950	1.950	1.950	1.950	1.950	1.950	1.950	1.950	2.000	2.020	(e)
MISCELLANEOUS PRODUCTS													
Fur, sales by dealers.....thous. of dol.	3,441	2,580	3,919	7,883	7,338	3,314	2,688	3,708	4,000	4,337	3,678	3,804	
Pyroxylin-coated fabrics:†													
Orders, unfilled, end of month.....thous. lin. yd.	12,354	13,194	12,531	12,152	11,458	9,928	8,177	7,778	7,553	7,724	7,984	7,026	
Pyroxylin spread.....thous. of lb.	7,205	7,058	7,686	7,159	6,516	6,642	5,674	4,520	4,043	4,994	4,310	4,699	
Shipments, billed.....thous. lin. yd.	9,217	9,135	9,423	8,386	7,897	8,419	7,121	6,034	4,561	5,409	4,975	5,565	

TRANSPORTATION EQUIPMENT

AIRCRAFT													
Exports, total§.....number	339	250	261	276	338	294	321	268	222	156	184	183	
Shipments, total*.....do.	3,093	2,021	2,277	2,013	1,922	2,143	1,740	1,332	1,102	1,140	1,351	1,041	
For U. S. military customers*.....do.	133	112	111	99	137	105	94	139	104	211	323	239	
For other customers*.....do.	2,960	1,909	2,166	1,914	1,785	2,038	1,646	1,193	998	929	1,028	802	
MOTOR VEHICLES													
Exports, assembled, total§.....number	47,708	41,158	40,268	41,678	54,747	57,291	61,478	44,461	40,679	50,284	42,157	47,598	
Passenger cars§.....do.	22,496	16,257	19,742	19,321	25,666	26,711	29,540	22,591	24,068	24,317	21,839	22,345	
Trucks§.....do.	25,212	24,901	20,526	22,357	29,081	30,580	31,938	21,870	16,611	25,967	20,318	25,253	
Factory sales, total§.....do.	371,156	375,719	347,696	373,360	421,180	423,399	382,640	400,372	379,192	349,409	420,270	426,001	394,176
Coaches, total.....do.	1,146	1,438	1,273	1,303	1,421	1,650	1,853	1,628	1,806	1,765	1,608	1,667	1,417
Domestic.....do.	1,102	1,339	1,115	1,090	1,272	1,465	1,599	1,409	1,694	1,570	1,413	1,527	1,142
Passenger cars, total.....do.	269,081	266,665	246,605	267,015	301,525	314,765	284,357	307,124	279,631	261,158	307,942	315,969	305,148
Domestic.....do.	250,379	244,931	226,695	245,081	280,018	291,953	261,240	284,576	257,881	240,358	285,590	295,099	284,730
Trucks, total.....do.	100,929	107,616	99,818	105,042	118,234	106,984	96,430	91,620	97,755	86,486	110,720	118,365	87,611
Domestic.....do.	79,128	82,774	77,434	83,276	92,082	83,515	75,696	73,613	78,444	66,882	89,724	94,307	71,161
Truck trailers, production, total*.....do.	7,449	6,886	7,511	6,554	5,910	5,245	4,580	3,544	2,953	3,169	3,158	3,962	
Complete trailers.....do.	7,051	6,506	7,194	6,220	5,536	4,941	4,380	3,306	2,779	2,953	3,044	3,451	
Vans.....do.	3,147	3,461	3,762	3,258	2,662	2,106	1,657	1,437	1,362	1,269	1,269	1,587	
All other.....do.	3,904	3,045	3,444	2,978	2,906	2,867	2,723	1,869	1,417	1,725	1,675	1,864	
Chassis shipped as such.....do.	398	380	317	334	374	304	200	238	174	216	214	511	
Registrations:§													
New passenger cars.....do.	230,424	274,735	209,063	214,333	264,714	290,226	286,719	269,863	263,167	264,866	251,655	281,428	
New commercial cars.....do.	63,978	69,453	62,477	63,752	79,344	85,148	76,901	65,458	71,647	75,912	69,899	87,167	
RAILWAY EQUIPMENT													
American Railway Car Institute:													
Shipments:													
Freight cars, total.....number	7,188	6,737	6,991	7,575	8,816	8,873	6,409	5,243	5,366	4,410	5,749	6,401	6,964
Domestic.....do.	2,442	2,056	2,265	1,784	2,439	3,489	3,131	4,230	4,846	4,346	5,668	6,242	6,889
Passenger cars, total.....do.	60	60	58	69	53	73	60	67	53	20	29	74	69
Domestic.....do.	60	60	58	69	53	73	60	63	45	20	29	74	55
Association of American Railroads:													
Freight cars, end of month:													
Number owned.....thousands	1,742	1,740	1,740	1,738	1,736	1,736	1,734	1,734	1,732	1,730	1,730	1,725	1,728
Undergoing or awaiting classified repairs.....thousands	67	67	66	68	69	72	77	77	81	81	78	72	73
Percent of total on line.....do.	4.0	4.0	4.0	4.1	4.2	4.3	4.6	4.7	4.9	4.9	4.7	4.3	4.4
Orders, unfilled.....cars	54,413	54,778	60,529	66,353	78,080	84,288	89,554	93,159	94,232	97,392	97,645	103,086	104,788
Equipment manufacturers.....do.	39,179	38,716	44,144	49,934	60,446	63,935	66,466	68,675	70,578	71,826	73,416	76,713	78,857
Railroad shops.....do.	15,234	16,062	16,385	16,419	17,634	20,353	23,088	24,484	23,654	25,566	24,229	26,373	25,931
Locomotives, end of month:													
Steam, undergoing or awaiting classified repairs.....number	3,204	3,137	3,175	3,131	3,045	3,011	2,832	2,735	2,778	2,709	2,706	2,646	2,612
Percent of total on line.....do.	8.5	8.4	8.6	8.5	8.3	8.3	7.8	7.6	7.8	7.6	7.5	7.5	7.5
Orders unfilled:													
Steam locomotives, total.....number	65	64	53	45	52	36	30	24	29	40	46	45	33
Equipment manufacturers.....do.	57	57	48	42	51	36	30	24	29	40	36	35	23
Railroad shops.....do.	8	7	5	3	1	0	0	0	0	0	10	10	10
Other locomotives, total*.....do.	499	540	586	635	588	626	718	770	786	811	795	922	642
Equipment manufacturers*.....do.	499	540	586	635	588	626	717	770	785	810	794	921	642
Railroad shops*.....do.	0	0	0	0	0	0	1	0	1	1	1	1	0
Exports of locomotives, total†.....do.	253	192	195	180	186	143	262	106	133	98	62	78	
Steam§.....do.	141	49	78	119	73	71	133	19	57	9	17	18	
Other†.....do.	112	143	117	61	113	72	129	87	76	89	45	60	
INDUSTRIAL ELECTRIC TRUCKS AND TRACTORS													
Shipments, total.....number	276	330	320	273	320	420	340	321					
Domestic.....do.	258	306	294	251	283	377	307	288					
Exports.....do.	18	24	26	22	37	43	42	33					

† Revised. * Data not available. † Revisions not shown above: September 1946, 7,587; October 1946, 4,934.

‡ Includes wool produced for Government orders not included in the detail, first quarter, 320 thousand yards; second quarter, 2,214 thousand yards (revised); third quarter, 3,576 thousand yards; prior to 1947, Government orders were distributed to the proper classifications.

§ Data for January, April, July, and October 1947 are for 5 weeks; other months, 4 weeks. ¶ See note in April 1946 Survey with regard to changes in these series.

¶ Data continue series published in the 1942 Supplement but suspended during the war period. For 1940-45 data for factory sales of motor vehicles see p. 24 of June 1947 Survey. Data for October 1941-February 1945 for the foreign trade series will be published later. See note on p. S-40 of August 1947 Survey regarding unpublished revisions for registrations.

* New series. For available data for 1937-43 for woolen and worsted goods production, see p. 19 of May 1945 Survey. See note on p. S-39 of July 1947 Survey for source of data on wool yarn production and explanation of a revision in the data in that issue, and p. S-40 of the April 1947 Survey for source and earliest data published for truck trailers. † Data beginning January 1946 for aircraft shipments are available on request. See May 1946 Survey for description and data beginning March 1945 for unfilled orders of "other locomotives."

† Revised series. Export series for total and "other" locomotives were revised in the May 1946 Survey (see note in that issue).

INDEX TO MONTHLY BUSINESS STATISTICS, Pages S1-S40

	Pages marked S		Pages marked S		Pages marked S
Abrasive paper and cloth (coated).....	37	Fish oils and fish.....	24, 28	Pork.....	29
Acids.....	23	Flaxseed.....	25	Postal business.....	7
Advertising.....	6, 7	Flooring.....	31	Postal savings.....	16
Agricultural income and marketings.....	1, 2	Flour, wheat.....	28	Poultry and eggs.....	1, 4, 29
Agricultural wages, loans.....	14, 15	Food products.....	2,	Prices (see also individual commodities):	
Air-line operations.....	22	3, 4, 5, 7, 8, 10, 11, 12, 13, 14, 17, 26, 27, 28, 29		Consumers' price index.....	4
Aircraft.....	10, 11, 12, 13, 14, 40	Footwear.....	2, 4, 8, 10, 12, 13, 14, 30, 31	Received and paid by farmers.....	4
Alcohol, denatured, ethyl, and methyl.....	23	Foreclosures, real estate.....	6	Retail price indexes.....	4
Alcoholic beverages.....	2, 26	Foreign trade, indexes, shipping weight, value		Wholesale price indexes.....	4, 5
Aluminum.....	32	by regions, countries, economic classes and		Printing.....	2, 10, 11, 14, 36
Animal fats, greases.....	24	commodity groups.....	20, 21, 22	Profits, corporation.....	18
Anthracite.....	2, 4, 11, 12, 13, 14, 36	Foundry equipment.....	34	Public assistance.....	15
Apparel, wearing.....	4, 6, 7, 8, 10, 11, 12, 13, 14, 38, 39	Freight cars (equipment).....	40	Public utilities.....	1, 4, 5, 11, 12, 13, 14, 16, 18, 19, 20
Armed forces.....	9	Freight carloadings, cars, indexes.....	22	Pullman Company.....	23
Asphalt and asphalt products.....	37	Freight-car surplus and shortage.....	22	Pulpwood.....	35
Automobiles.....	2, 3, 7, 8, 10, 11, 12, 13, 14, 18	Fruits and vegetables.....	2, 4, 27	Pumps.....	34
Banking.....	15, 16	Fuel equipment and heating apparatus.....	33	Purchasing power of the dollar.....	5
Barley.....	27	Fuel oils.....	37	Pyroxylin coated fabrics.....	40
Barrels and drums.....	33	Fuels.....	2, 4, 35, 36, 37	Radio advertising.....	6, 7
Battery shipments.....	34	Furnaces.....	33, 34	Railways, operations, equipment, financial statistics, employment, wages.....	1,
Beef and veal.....	29	Furniture.....	2, 4, 10, 11, 12, 13, 14, 15	11, 12, 13, 14, 15, 17, 18, 19, 20, 22, 40	
Beverages, alcoholic.....	2, 26	Gas, customers, sales, revenues.....	26	Railways, street. (See Street railways, etc.)	
Bituminous coal.....	2, 4, 11, 12, 13, 14, 36	Gasoline.....	37	Rayon, and rayon manufactures.....	2,
Boilers.....	34	Glass and glassware (see also Stone, clay, etc.).....	38	5, 10, 11, 12, 13, 14, 39	
Bonds, issues, prices, sales, yields.....	19	Gelatin.....	23	Receipts, United States Government.....	16
Bone black.....	24	Gloves and mittens.....	31	Reconstruction Finance Corporation, loans.....	17
Book publication.....	36	Glue.....	24	Rents (housing), index.....	4
Brass.....	33	Glycerin.....	24	Retail trade, all retail stores, chain stores, department stores, mail order, rural sales, general merchandise.....	7, 8, 9
Brick.....	4, 38	Gold.....	17	Rice.....	28
Brokers' loans.....	15, 18	Goods in warehouses.....	7	Roofing and siding, asphalt.....	37
Building contracts awarded.....	5	Grains.....	4, 19, 27, 28	Rosin and turpentine.....	24
Building costs.....	6	Gross national product.....	1	Rubber, natural, synthetic and reclaimed, tires, and tubes.....	37, 38
Building construction (see Construction,)		Gypsum.....	38	Rubber industry, production index, shipments, inventories, employment, pay rolls, hours, earnings.....	2, 3, 10, 12, 14
Building materials, prices, retail trade.....	4, 7, 8	Heating and ventilating equipment.....	34	Savings deposits.....	16
Businesses operating and business turn-over.....	3	Hides and skins.....	4, 30	Savings, personal.....	1
Butter.....	27	Highways.....	5, 11	Securities issued.....	18, 19
Candy.....	29	Hogs.....	28, 29	Service industries employment.....	19
Cans, metal.....	33	Home-loan banks, loans outstanding.....	6	Sewer pipe, clay.....	38
Capital flotations.....	18	Home mortgages.....	6	Sewing machines.....	34
Carloadings.....	22	Hosiery.....	5, 38	Sheep and lambs.....	28, 29
Cattle and calves.....	28	Hotels.....	11, 12, 23	Shipbuilding.....	10, 11, 12, 13, 14
Cellulose and other plastic products.....	26	Hours of work per week.....	12, 13	Shipments, manufacturers'.....	3
Cement.....	2, 4, 38	Housefurnishings.....	4, 7, 8	Shoes.....	2, 4, 8, 10, 11, 12, 13, 14, 31
Cereal and bakery products.....	4	Housing.....	4, 5	Shortenings.....	25
Chain-store sales.....	8	Immigration and emigration.....	2, 23	Silver.....	17
Cheese.....	27	Imports.....	20, 21, 22	Skins.....	30
Chemicals.....	2, 3, 4, 10, 11, 12, 14, 18, 23, 24	Income, personal.....	1	Slaughtering and meat packing.....	2, 10, 11, 12, 14, 27, 28
Cigars and cigarettes.....	30	Income-tax receipts.....	16	Soybeans, and soybean oil.....	25
Civil-service employees.....	11	Incorporations, business, new.....	3	Spindle activity, cotton, wool.....	39
Clay products (see also Stone, clay, etc.).....	2, 38	Industrial production indexes.....	2	Steel ingots and steel manufactures (see also	
Clothing.....	5, 7, 8, 10, 11, 12, 13, 14, 38	Instalment loans.....	16	Iron and steel).....	32, 33
Coal.....	2, 4, 11, 12, 13, 14, 36	Instalment sales, department stores.....	8	Steel, scrap.....	31, 32
Cocoa.....	29	Insurance, life.....	17	Stocks, department stores (see also Manufac-	
Coffee.....	29	Interest and money rates.....	15	turers' inventories).....	9
Coke.....	2, 36	Inventories, manufacturers' and trade.....	3, 9	Stocks, dividends, issues, prices, sales, yields.....	19, 20
Commercial and industrial failures.....	3	Iron and steel, crude and manufactures.....	2,	Stokers, mechanical.....	34
Construction:		3, 4, 10, 11, 12, 13, 14, 18, 31, 32		Stone, clay, and glass products.....	2,
New construction, dollar value.....	5	Kerosene.....	37	10, 11, 12, 13, 14, 38	
Contracts awarded.....	5	Labor force.....	9	Stoves.....	34
Costs.....	5, 6	Labor disputes, turn-over.....	13	Street railways and busses.....	11, 12, 13, 14, 23
Dwelling units scheduled to be started.....	5, 11	Lamb and mutton.....	29	Sugar.....	29
Highway.....	9, 10	Lard.....	29	Sulphur.....	24
Employment, wage rates, earnings, hours.....	11, 12, 13, 14	Lead.....	33	Sulfuric acid.....	23
Consumer credit.....	16	Leather and products.....	2, 4, 10, 11, 12, 13, 14, 30	Superphosphate.....	24
Consumer expenditures.....	1, 7	Linseed oil, cake, and meal.....	25	Tea.....	30
Consumers' price index.....	4	Livestock.....	1, 2, 4, 28	Telephone, telegraph, cable, and radio-tele-	
Copper.....	33	Loans, real estate, agricultural, bank, brokers' (see also Consumer credit).....	6, 15, 19, 40	graph carriers.....	11, 12, 13, 14, 23
Copra and coconut oil.....	25	Locomotives.....	40	Textiles.....	2, 3, 5, 10, 11, 12, 13, 14, 38, 39, 40
Corn.....	19, 28	Looms, woolen, activity.....	39	Tile.....	38
Cost-of-living index (see Consumers' price index).....	4	Lubricants.....	37	Tin.....	33
Cotton, raw, and manufactures.....	2,	Lumber.....	2, 4, 10, 11, 12, 13, 14, 31	Tires and inner tubes.....	37, 38
4, 5, 10, 11, 12, 13, 14, 38, 39		Machine activity, cotton, wool.....	39	Tobacco.....	2, 4, 10, 11, 13, 14, 30
Cottonseed, cake and meal, oil.....	25	Machine tools.....	10, 11, 12, 14, 34	Tools, machine.....	10, 11, 12, 13, 14, 34
Crops.....	1, 2, 4, 24, 26, 27	Machinery.....	2, 10, 11, 12, 13, 14, 18, 34	Trade, retail and wholesale.....	7, 8, 9, 11, 12, 13, 14
Currency in circulation.....	18	Magazine advertising.....	6, 7	Transit lines, local.....	22
Dairy products.....	1, 2, 4, 27	Mail-order houses, sales.....	8, 9	Transportation, commodity and passenger.....	22, 23
Debits, bank.....	15	Manufacturers' orders, shipments, inventories.....	3	Transportation equipment.....	2,
Debt, short-term, consumer.....	16	Manufacturing production indexes.....	2	3, 10, 11, 12, 13, 14, 18, 40	
Debt, United States Government.....	16	Meats and meat packing.....	2, 4, 10, 12, 13, 14, 29	Travel.....	22, 23
Department stores, sales, stocks, collections.....	8, 9	Metals.....	2, 4, 10, 11, 12, 13, 14, 18, 33	Truck trailers.....	40
Deposits, bank.....	15, 18	Methanol.....	24	Trucks.....	40
Disputes, industrial.....	13	Milk.....	27	Turpentine and rosin.....	24
Distilled spirits.....	26, 27	Minerals.....	2, 10, 11, 12, 13, 14	Unemployment and unemployment compensa-	
Dividend payments and rates.....	1, 19	Money supply.....	18	tion.....	9, 13
Drug store sales.....	8	Mortgage loans.....	6, 15	United States Government bonds.....	16, 18, 19
Dwelling units scheduled to be started.....	5	Motor fuel.....	37	United States Government, finance.....	16, 17
Earnings, weekly and hourly.....	13, 14, 15	Motor vehicles.....	7, 40	Utilities.....	4, 5, 9, 11, 12, 13, 14, 18, 19, 20
Eggs and poultry.....	1, 4, 29	Motors, electrical.....	34	Vacuum cleaners.....	34
Electrical equipment.....	2, 7, 34	National product and income.....	1	Variety stores.....	8
Electric power production, sales, revenues.....	26	Newspaper advertising.....	6, 7	Vegetable oils.....	24, 25
Employment estimates.....	9, 10, 11	Newsprint.....	35	Vegetables and fruits.....	2, 4, 27
Employment indexes:		New York Stock Exchange.....	19, 20	Vessels cleared in foreign trade.....	23
Factory, by industries.....	10, 11	Oats.....	28	Veterans' unemployment allowances.....	13
Nonmanufacturing industries.....	11	Oil burners.....	34	Wages, factory and miscellaneous.....	13, 14
Employment security operations.....	13	Oils and fats.....	4, 24, 25	War expenditures.....	16, 17
Emigration and immigration.....	23	Oleomargarine.....	25	War Savings Bonds.....	6
Engineering construction.....	5	Operating businesses and business turn-over.....	3	Warehouses, space occupied.....	7
Exchange rates, foreign.....	17	Orders, new, manufacturers'.....	3	Washers.....	34
Expenditures, United States Government.....	16	Paint and paint materials.....	4, 25	Wheat heaters.....	34
Explosives.....	24	Paper and pulp.....	2, 3, 5, 10, 11, 14, 35	Wheat and wheat flour.....	19, 28
Exports (see also individual commodities).....	20, 21	Paper products.....	35	Wholesale price indexes.....	4, 5
Factory, employment, pay rolls, hours, wages.....	10, 11, 12, 13, 14	Passports issued.....	23	Wholesale trade.....	9
Failures, industrial and commercial.....	3	Pay rolls, manufacturing and nonmanufacturing industries.....	11, 12	Wood pulp.....	2, 5, 35
Farm marketings and income.....	1, 2	Personal income.....	1	Wool and wool manufactures.....	2,
Farm wages.....	14	Personal savings and disposable income.....	1	5, 10, 11, 12, 13, 14, 40	
Farm products, farm, and wholesale prices.....	2, 4	Petroleum and products.....	2,	Zinc.....	33
Fats and oils.....	4, 24, 25	2, 3, 4, 10, 11, 12, 14, 18, 36, 37			
Federal Government, finance.....	16, 17	Fig iron.....	32		
Federal Reserve banks, condition of.....	15	Plant and equipment expenditures.....	1		
Federal Reserve reporting member banks.....	15	Plastic products.....	26		
Fertilizers.....	4, 24	Plywood.....	31		
Fire losses.....	6				