AUGUST 1947

SURVEY OF CURRENT BUSINESS

UNITED STATES DEPARTMENT OF COMMERCE

BUREAU OF FOREIGN AND DOMESTIC COMMERCE

Survey of CURRENT BUSINESS

VOLUME 27, No. 8 AUGUST 1947

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].]

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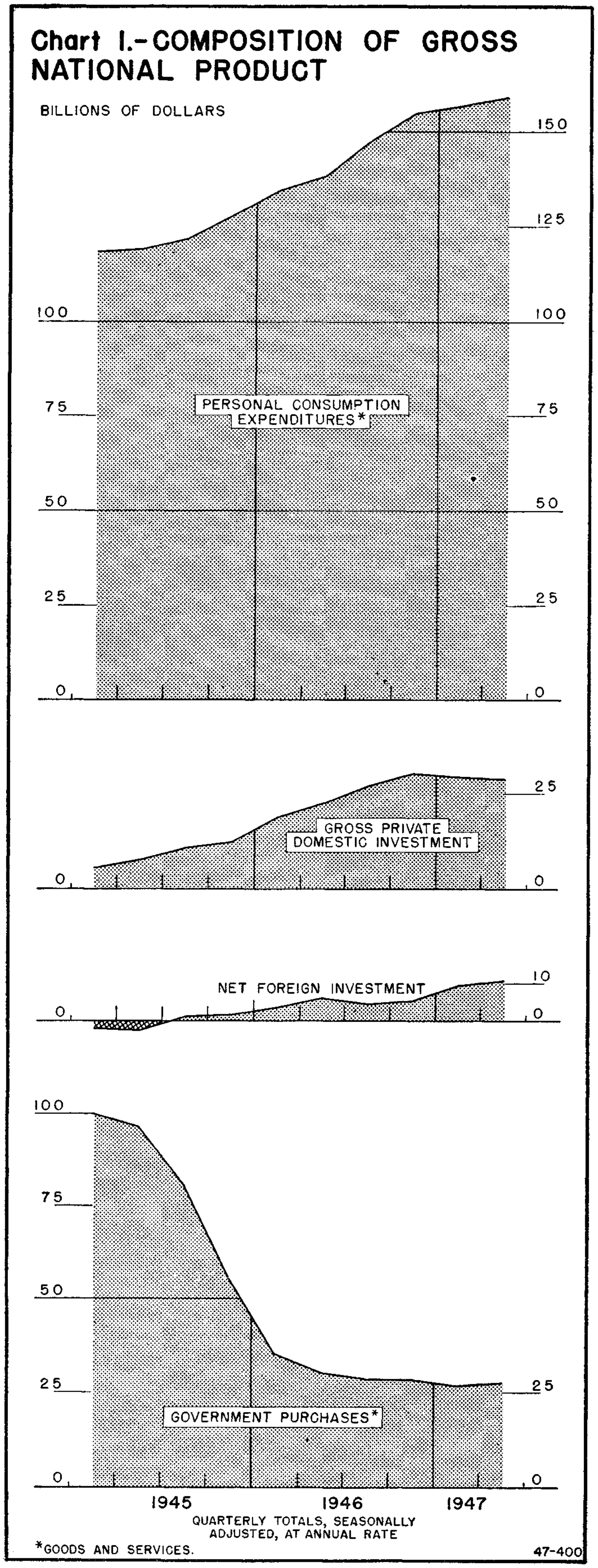
Classification of Statistical Sections

Published by the Department of Commerce, W. AVERELL HARRIMAN, *Secretary*—Office of Business Economics, AMOS E. TAYLOR, *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.



The Business Situation

By the

Office of Business Economics

FIRMING of commodity prices during July was accompanied by seasonal declines in retail trade and manufacturing activity. At the same time, total employment was at a high point, as a result of the summer rise in agriculture, construction, and various service trades, and the flow of personal income was being bolstered by further upward adjustment of wage rates.

With consumer, business, and foreign demand remaining relatively steady, apart from seasonal influences, and with Government purchases showing only minor variations, there was apparently little change—other than that resulting from the upward drift of prices—in the aggregate value of production as the economy entered the second half of the year. In the second quarter of 1947 gross national product was at an annual rate of 226 billion dollars, according to the estimates presented in this issue. This dollar rate is somewhat higher than the war peak, reflecting the substantial price increases during the postwar period.

The recent advances in the weekly wholesale price index have occurred not merely in the volatile farm and food sectors, but in the industrial sector as well. Thus, the 3-month period of relative steadiness in the over-all price index for commodities other than farm products and foods was terminated in July as new increases were made effective for a wide range of industrial products. Among the increases which will affect raw material costs for an important segment of industry was the advance in prices of principal steel products, amounting to about 6 dollars a ton, on the average.

Inventory Rise Slackens, Foreign Investment Stepped Up

Data now available covering the second quarter show the magnitude of the counterbalancing changes that served to sustain private expenditures. On the downside was the decline in the rate of inventory accumulation which, on a national product basis, dropped from an annual rate of 2.7 billion dollars in the first quarter to 1.5 billion dollars in the second quarter. The month-to-month changes in the book value of total business inventories were minor in both May and June, with actual declines—largely seasonal—being recorded at the distributive level in the 2 months.

On the upside, net foreign investment in the second quarter rose to 10.6 billion dollars, at seasonally adjusted annual rates, an increase more than sufficient to offset the drop in net inventory buying. Although the value of shipments abroad in June was lower than in the 3 preceding months, it seems that the decline was associated with the 3-day work stoppage at many ocean ports.

Developments in International Field

There were two significant economic events in the international field in July: First, the establishment of convertibility of sterling received by other countries in payment for exports of

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goods and services to the United Kingdom; and, second, the sale of debentures by the International Bank for Reconstruction and Development.

The requirement to convert sterling paid out on current transactions into dollars or other "hard" currencies beginning with July 15, 1947, is part of the loan agreement between the United States and the United Kingdom which was signed on July 15, 1946. The latest step makes currently earned sterling balances generally transferable in world trade even when the United Kingdom is not a partner. Over the last several months, however, the list of countries whose sterling receipts could be converted had been gradually extended, so that only very few additional countries remained to be added when the deadline of July 15th arrived. It is important to note that the obligation to exchange dollars for sterling does not apply to previous obligations, particularly to sterling obligations incurred during the war, except in so far as specific agreements with the creditor countries made them convertible. At the present time the loan arrangement with the United States is meeting the current deficit, but these dollar resources are being depleted at a more rapid rate than contemplated at the time the loan was negotiated, for a variety of reasons. These include the inability of the United Kingdom to meet the projected export schedule at the same time that increased prices of goods obtained from the United States and other countries raised the expenditures for imports.

Initial Borrowing by International Bank

A new source of dollars for foreign countries was opened up by the successful first offering in July of 250 million dollars of debentures by the International Bank for Reconstruction and Development. Two types of bonds were issued in the amounts of 100 million dollars at 2¼ percent for 10 years and 150 million dollars at 3 percent for 25 years. Both issues were admitted at once to trading on the New York Stock Exchange where they were quoted at a premium.

The 250 million dollars would meet the bank's requirements for the recently granted loan to France in the same amount. Further bond issues, and the 725 million dollars obtained from the members' subscriptions (including 635 million dollars from the United States) would be required to meet additional requirements when action is taken on further loan requests which so far amount to over 2 billion dollars.

Construction Activity Up, Awards Lag

On the construction front, activity continues to show the usual seasonal gains, with the largest relative increases occurring in residential building and public highway construction. The cumulative dollar value of new construction this year through July was 35 percent above the value in the same period of 1946. The year-to-year gains in June and July were 22 and 16 percent, respectively.

Both the number of new permanent private dwelling units started and the number completed in June were higher than in the preceding month. June "starts" totalled 75,000, probably the highest for any month since the period of the twenties, and completions were 63,000.

The value of contract awards for construction declined from May to June to about the same volume as in March and April, even though some rise is normally expected during this season of the year. For the first half of the year, the total value of contract awards was about 10 percent below the value in the same period a year ago. Awards for nonresidential building, due partly to official restrictions in effect this year, were almost one-fourth less than last years' volume, but contracts for public utilities and heavy engineering construction were running ahead of a year ago.

Little Change in Retail Sales

Retail sales have shown the least variation since the first of the year of all elements in the total demand picture. June sales, at a seasonally adjusted annual rate of 106 billion dollars, were at about the same rate as in the 2 preceding months and 15 percent above the figure for June 1946.

The major area of strength in the sales picture continued to be in the durable goods group. Sales at home furnishings and building materials and hardware stores advanced 10 and 5 percent, respectively, from May to June, after adjustment for seasonality. Automotive dealers reported little change, however, due to the lower volume of new car deliveries in the latest months.

Sales at nondurable goods stores were generally unchanged in June, although some falling off in business volume was noticeable at eating and drinking places. The year-to-year gain for the nondurable goods group was smaller than in the preceding month even though food sales in June 1946 were held down by the limited meat supply.

Pick-up in Department Store Orders

As already noted, the accumulation of inventories by department stores and other retail outlets was halted during the second quarter of the year. This development came about as a result of the shift in buying policy instituted by the larger merchandisers in the latter part of 1946, as a result of developments which influenced other retailers with some lag. Late this spring, however, there was evidence that this policy had produced the desired stock-sales ratios in some segments so that new orders began to pick up to a point more in line with current sales. The widespread renewal of summer sales indicates the return of prewar policies of not carrying over seasonal merchandise, but these clearances are being accompanied by the building up of fall stocks.

Federal Reserve Board statistics covering stocks, sales, and outstanding orders of 296 large department stores indicate an increase in new orders in both May and June from the low point reached in April. Although some pick-up in order placing is customarily expected at this time, the increase this year was larger percentagewise than that which took place between April and June a year ago. The rise in new orders, in addition to the low level of merchandise receipts in June, brought about the first increase in total outstanding commitments of these stores since the first of the year.

Industrial Production Edges Downward

Industrial production continued to edge downward in June and July, chiefly as a result of slackening activity in some nondurable goods manufacturing industries and the temporary slow down in steel operations which stemmed from uncertainty over the signing of the new work contract in the coal industry. The Federal Reserve Board seasonally adjusted index of nondurable goods manufacturing at midyear was about 5 percent below the first quarter average. Durable goods manufacturing showed only minor variations over the half-year period, with supply difficulties still limiting the output of finished goods. Assemblies of passenger cars and trucks, for example, dropped from 398,000 in June to about 380,000 units in July, or 4 percent, despite the fact that there was one more working day in the latter month. On a daily average basis, output in July was the lowest since January.

The dollar value of manufacturers' shipments was lower in June than in the preceding 2 months, but the index of shipments, which is adjusted for the number of working days, rose during the month. Daily average shipments were higher in both the durable and nondurable goods industries.

Seasonal Gains Lift Employment Total

As a result of influences largely seasonal in nature, total civilian employment increased in June, with approximately 60 million persons reported by the Bureau of the Census as holding civilian jobs, as compared with somewhat over 56 million in June 1946.

The volume of employment is normally at a seasonal high in the summer months, and the labor force also undergoes a rise as schools close down for the vacation period. Thus, the 1.7 million rise in employment from May to June was acompanied by an increase in unemployment associated with these temporary entries. At 2.6 millions, unemployment was at the same level as a year ago, but the Census week came several days later this year and caught a larger number of persons just out of school.

Farm work accounted for an increase of 1.4 million jobs from May to June, as employment in agriculture reached 10.4 million, 400,000 more than a year ago. June was the second consecutive month in which the number of farm workers exceeded the number in the corresponding month of 1946.

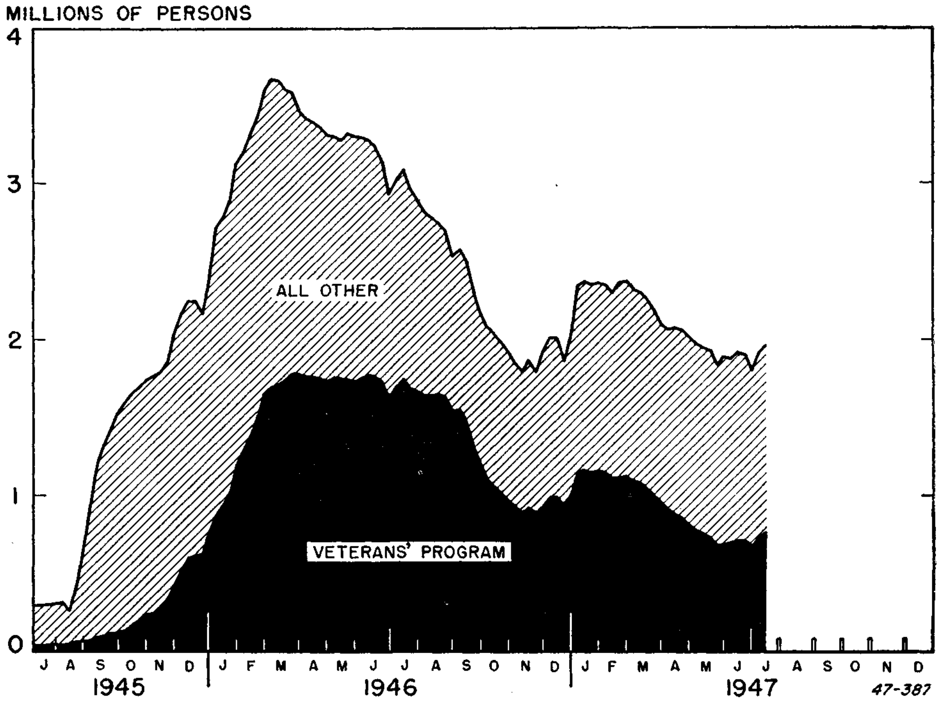
Among the seasonal changes affecting nonfarm employment, most important were the further rise in construction employment and the advances scored in mining, transportation, trade, and services. A further factor was the return of the remaining telephone workers who had been on strike.

No Change in Factory Employment

Manufacturing employment, according to Bureau of Labor Statistics estimates, showed little change from May to June, a period in which some seasonal increase was to be expected. Thus, the seasonally adjusted index continued the slow decline in evidence since March of this year. It should be pointed out, however, that the appropriate seasonal adjustments are sometimes difficult to determine because of changes in the long-term seasonal pattern of operations in some industries.

Within manufacturing, the recent changes have been comparatively small and were largely in the nature of offsetting seasonal movements. Among the industries reporting gains were food processing and lumbering. The decline in textile and apparel employment apparent since the early months of the year appeared to have been about halted in June. The small declines in such industries as radio, nonferrous metals, and rubber, however, could not be ascribed to seasonal factors.

Chart 2.—Weekly Insured Unemployment



Source of data : Bureau of Employment Security, Social Security Administration.

Unemployment Rises Seasonally

The increase of almost 600,000 in the persons unemployed in June occurred primarily in the school-age brackets and represented for the most part summer job hunting by students just out of school. Over the past twelve months unemployment has moved within the narrow range of from 1.9 to 2.6 million persons, with most of the variation accounted for by the seasonal shifting in job opportunities.

As may be seen from chart 2, insured unemployment in mid-July was slightly under 2 million persons, a level which has prevailed since early May. The insured unemployment statistics are derived from reports on continued claims (i. e., all claims other than initial claims) filed under the State and Railroad unemployment insurance programs and under the Veterans' Unemployment Allowance program and are not directly comparable with the Census estimates of unemployment derived from the monthly sample survey of the labor force. The more obvious differences between the two sets of figures stem from the limited coverage of the unemployment programs, the exhaustion of benefit rights, the treatment of workers with jobs but not at work, the handling of part-time workers, and the definition of unemployment.

The low point over the last year in the number receiving State unemployment benefits was reached in November 1946. By the end of the year, the number had risen to slightly over 1 million, and it has remained above that level for the last 6 months. On the other hand, the number of veterans receiving unemployment allowances has been declining almost steadily for more than a year, as former servicemen found peacetime occupations in the active job market which has prevailed, or, in some cases, exhausted their benefit rights. Some 760,000 were receiving veterans' allowances in mid-July, as compared with 1.7 million a year earlier.

Personal Income Moves Upward

Higher wage rates and farm product prices were the principal factors responsible for the rise in personal income in June to an annual rate of 193 billion dollars, after seasonal correction, but the termination of the strike in the telephone industry also influenced the month-to-month change. The rate was under 192 billion dollars in May and about 173 billion dollars in June of last year.

The contribution of increases in average hourly wage earnings to the rise in personal income so far during 1947 is described in the quarterly analysis of the income flow which appears in a later section of this review. Wage rate adjustments, affecting the cost of both basic raw materials and fabricated products, have also influenced the recent upward move in industrial prices.

Wholesale Prices Top March Average

The advance in wholesale prices which took place in July resulted from increases in the three broad groups of commodities: farm products, foods, and industrial commodities. Unlike the price indexes for farm and food products, which reached high points in March, receded somewhat, and then rose again, the index for the nonfarm, nonfood group had shown practically no change for 3 months prior to July.

New highs in fuel and lighting products prices, reflecting primarily the July increase in bituminous prices, in addition to advances in the prices of iron and steel products, leather, and hides and skins accounted for most of the increase in the industrial price average. As a result of developments abroad, crude rubber prices which had been under steady downward pressure earlier in the year, moved forward again in July, showing a net gain of 14 percent for the month. It may be noted that the recent price increases for steel and coal were not fully reflected in the price indexes during July.

The rise in prices of farm products during July reflected for the most part higher livestock and poultry prices. Late June and early July declines in grain prices were wiped out in following weeks and by the end of the month grain prices were again close to the postwar highs of last March. Except for fruits and vegetables, prices of foods continued their rise, the wholesale food price index at the end of July standing 3 percent above the end-of-June level.

Prices of building materials continued to edge down slightly in July, while substantially lower prices for oils and fats and drugs and pharmaceuticals reduced the index of chemicals and allied products prices by 4 percent over the month.

Food Prices Lead Rise at Retail

On June 15, the BLS Consumers' Price Index stood at 157 (1935–39=100). Most of the increase of about 1 percent over the index for the previous month was attributable to the higher cost of food. In the case of meats, for example, the May-to-June advance averaged 6 percent at retail.

National Product and Income in the First Half of 1947

In the second quarter of 1947, the gross national product, which measures the market value of the output of goods and services produced by the Nation, was flowing at an annual rate of 226 billion dollars. This represented an increase over the first quarter, but the rate of growth had slackened as compared with 1946.

In terms of current dollars, the level of production is at an all time high, exceeding by 4 billion the war peak of 222 billion dollars reached in the first quarter of 1945. To a considerable extent, however, these dollar values reflect higher postwar prices. The volume of production—though far above prewar levels—was below its wartime peak because less urgent demand led to shorter hours of work and withdrawals from the labor force.

As can be seen from chart 3, the postwar dip in national product was small and the recovery rapid. The major forces responsible for maintaining economic activity in spite of the rapid liquidation of war production can be summarized with the aid of table 1.

Postwar Expenditure Pattern

Table 1, which compares the second quarter of 1947 with the second quarter of 1945, is similar to the table on the "Nation's Economic Budget" published in recent annual Budget messages of the President and in his Economic Reports to Congress. It represents a rearrangement of the basic national income and product data so as to show the impact of the four major sectors of the economy — consumers, businesses, government, and foreign nations—upon the flow of income and production. The main difference between table 1 and the regular gross national product statement is that it shows not only the expenditures for gross national product by the various sectors, but also their receipts and net expenditures.

It can be seen from this table that in the second quarter of 1947 personal consumption expenditures—at an annual rate of 159 billion dollars—accounted for 70 percent of total expenditures for gross national product. In the second quarter of 1945, immediately before the end of the war, they constituted only 54 percent.

To put the comparison in a somewhat different manner, in the second quarter of 1947 individuals saved 11 billion dollars at annual rates out of a total disposable income of 170 billion. Two years

Table 1.—Receipts and Expenditures for Gross National Product by Major Sectors of Economy, Second Quarter of 1945 and 1947; Seasonally Adjusted Quarterly Totals at Annual Rates

[Billions of dollars]

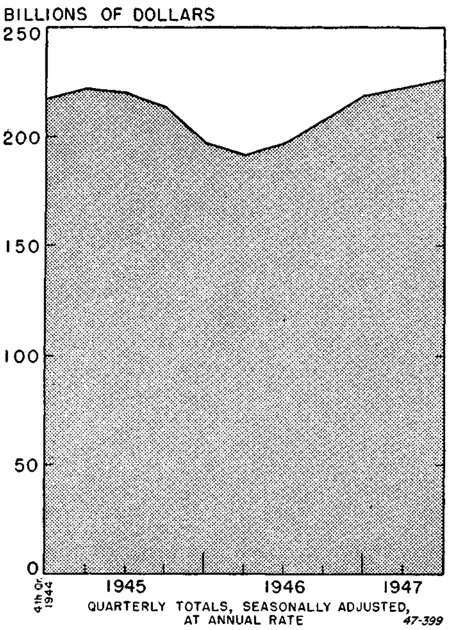
	Second quarter 1945			Second quarter 1947		
	Receipts	Expenditures	Net expenditures	Receipts	Expenditures	Net expenditures
Persons:						
Disposable income	152.9			170.1		
Consumption expenditures		118.8			159.0	
Net expenditures			−34.1			−11.1
Private business:						
Undistributed corporate profits and other reserves [1]	19.1			14.9		
Gross domestic investment		7.6			28.8	
Net expenditures			−11.5			13.9
Rest of the world:						
Net foreign investment		−2.6	−2.6		10.6	10.6
Government:						
Receipts	56.1			55.7		
Expenditures		104.3			42.3	
Net expenditures			48.2			−13.4
Adjustment for nongross-national-product receipts and expenditures [2]	−7.9	−7.9	0	−14.7	−14.7	0
Gross National Product or Expenditure	220.2	220.2	0	226.0	226.0	0

[1] Consists of undistributed corporate profits, corporate inventory valuation adjustment, capital consumption allowances, and the statistical discrepancy.

[2] Consists of Government expenditures other than for gross national product—viz., transfer payments, net interest payments, and subsidies minus surplus of Government enterprises.

Note: The main difference between table 1 and the "Nation's Economic Budget" as published in recent annual Budget messages of the President and in his Economic Reports to Congress lies in the treatment of Government receipts and expenditures. The measurement of Government receipts and expenditures in table 1 conforms to national income and product definitions (cf. footnote 1 to table 8 in the National Income Supplement to the July Survey of Current Business); in the "Nation's Economic Budget" the "Receipts from and payments to the public" concept is employed.

Chart 3.—Gross National Product



Source of data: Office of Business Economics.

earlier, under the influence of wartime incentives, shortages, and price controls, they had saved 34 billion dollars, or three times as much, out of a disposable income of only 153 billion. This postwar shift in consumption outlays, influenced to a considerable extent by the shortages created by war, was one of the most important factors supporting economic activity at a high level after Government demand for war output had been withdrawn.

The high volume of domestic business investment has been another. As can be seen from the table, domestic business investment, at an annual rate of 29 billion dollars, represented 13 percent of gross national product in the second quarter of the current year. In the second quarter of 1945 it amounted to only 8 billion, or 3 percent of total production. It will be recalled, of course, that at that time the capital formation privately financed measured only a fraction of total additions to capital equipment.

The increase in net sales to foreign countries, also rebuilding their peacetime economies, further added to the postwar demand for the output of American business. In the second quarter, the net demand on this score was 11 billion dollars, as contrasted with a negative of 3 billion dollars two years earlier, when the rest of the world was, on balance, a seller of goods to the United States.

The shift in the situation is also shown by the net receipts and expenditures of each sector. In the second quarter of 1947, American business and foreign countries made a net addition of more than 24 billion to the income stream. This was offset by personal savings of 11 billion and a government surplus (calculated according to national income definitions) of 13 billion. In the second quarter of 1945, a Government deficit of 48 billion dollars was the main expansionary factor. Consumers, businesses, and foreign countries had an excess of receipts over expenditures offsetting the government deficit.

Heavy postwar consumption and investment demand, bidding for a diminished labor supply in the framework of a productive organization that had not yet made a complete adjustment to postwar conditions, was sufficient in terms of dollars not only to offset the sharp reduction of government demand for war output, but, in addition, to give rise to heavy inflationary pressures which after the abolition of price controls pushed prices up to the extent shown in chart 4. As can be seen from this chart, the rise in prices had levelled off in the few months prior to June. Further price increases, however, have occurred recently both in farm and industrial markets. They have been called forth less by general demand factors than by particular supply shortages and by increases in costs.

In conjunction with the movement of prices, the progressive slackening in those types of demand which have propelled national output to its present levels is of particular significance. This slackening is revealed by a study of the main branches of the expenditure stream summarized in the chart on the introductory page of this issue.

Table 2.—National Income and Product, First and Second Quarters of 1947

[Billions of dollars]

	Unadjusted		Seasonally adjusted, at annual rates	
	I	II	I	II
NATIONAL INCOME BY DISTRIBUTIVE SHARES				
National income	48.9	(1)	197.6	(1)
Compensation of employees	30.9	31.6	124.9	125.8
Wages and salaries	29.5	30.1	119.4	120.3
Private	24.9	25.7	101.5	103.0
Military	1.2	1.0	4.6	4.1
Government, civilian	3.4	3.4	13.3	13.1
Supplements to wages and salaries	1.4	1.4	5.4	5.5
Proprietors' and rental income [2]	11.8	11.8	47.0	47.0
Business and professional	5.6	5.5	22.4	21.8
Farm	4.4	4.5	17.6	18.0
Rental income of persons	1.8	1.8	7.0	7.2
Corporate profits and inventory valuation adjustment	5.5	(1)	22.4	(1)
Corporate profits before tax	7.1	(1)	29.0	(1)
Corporate profits tax liability	2.9	(1)	11.6	(1)
Corporate profits after tax	4.3	(1)	17.4	(1)
Inventory valuation adjustment	−1.7	−1.0	−6.6	−4.1
Net interest	.8	.8	3.3	3.3
Addendum: Compensation of general Government employees	4.5	4.3	17.5	16.7
GROSS NATIONAL PRODUCT OR EXPENDITURE				
Gross national product	53.5	55.5	222.2	226.0
Personal consumption expenditures	36.5	39.2	156.8	159.0
Durable goods	4.1	4.8	19.0	20.0
Nondurable goods	21.5	23.4	94.0	95.0
Services	11.0	11.0	43.8	44.0
Gross private domestic investment	8.0	6.5	29.6	28.8
New construction	2.1	2.4	10.3	9.5
Residential nonfarm	.9	1.0	4.4	4.1
Other	1.3	1.3	5.8	5.4
Producers' durable equipment	4.2	4.5	16.6	17.8
Change in business inventories	1.7	−.3	2.7	1.5
Net foreign investment	2.3	2.7	9.2	10.6
Government purchases of goods and services	6.7	7.1	26.6	27.6
Federal	4.4	4.4	17.7	17.7
Less: Government sales	.6	.5	2.2	1.8
State and local	2.8	3.1	11.2	11.7

Table 2.—National Income and Product, First and Second Quarters of 1947—*Continued*

[Billions of dollars]

	Unadjusted		Seasonally adjusted, at annual rates	
	I	II	I	II
DISPOSITION OF PERSONAL INCOME				
Personal income	47.1	48.0	190.9	191.6
Less: Personal tax and nontax payments	8.6	3.8	21.4	21.6
Federal	8.1	3.3	19.8	20.0
State and local	.5	.4	1.6	1.6
Equals: Disposable personal income	38.5	44.3	169.4	170.0
Less: Personal consumption expenditures	36.5	39.2	156.8	159.0
Equals: Personal saving	2.0	5.0	12.6	11.0
RELATION OF GROSS NATIONAL PRODUCT, NATIONAL INCOME, AND PERSONAL INCOME				
Gross national product	53.5	55.5	222.2	226.0
Less: Capital consumption allowances	2.9	3.0	11.7	11.8
Indirect business tax and nontax liability	4.1	4.1	16.8	16.6
Business transfer payments	.1	.1	.5	.5
Statistical discrepancy	−2.6	(1)	−4.5	(1)
Plus: Subsidies less current surplus of government enterprises	.0	.0	−.2	.1
Equals: National income	48.9	(1)	197.6	(1)
Less: Corporate profits and inventory valuation adjustment	5.5	(1)	22.4	(1)
Contributions for social insurance	1.5	1.5	5.9	5.9
Excess of wage accruals over disbursements	.0	.0	.0	.0
Plus: Government transfer payments	2.6	2.5	10.4	10.1
Net interest paid by Government	1.1	1.3	4.5	4.5
Dividends	1.4	1.5	6.2	6.2
Business transfer payments	.1	.1	.5	.5
Equals: personal income	47.1	48.0	190.9	191.6

[1] Not available.
[2] Includes noncorporate inventory valuation adjustment.

NOTE.—Amounts of less than 50 million dollars shown as .0 in the table.

Inventory Rise Slackens

The behavior of business inventories constituted one of the main contrasts between the economic situation in 1946 and 1947. The year 1946 had been characterized by a rapidly increasing accumulation of inventories which reached its peak in the last quarter of the year. This accumulation slackened noticeably in the first quarter of 1947. In the second quarter, the net increase, measured in current prices, amounted to about 1½ billion dollars, as compared with a peak rate of about 5½ billion dollars in the last quarter of 1946. The major part of the reduction was due to a virtual cessation of inventory accumulation in retail and wholesale trade. The rate of accumulation in manufacturing as a whole was reduced much less sharply.

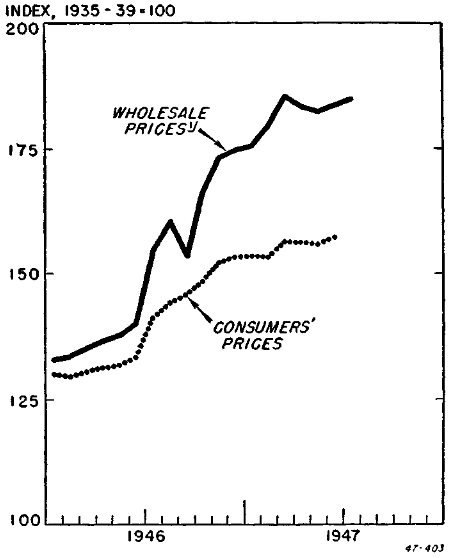
There occurred, however, a significant change in the composition of manufacturing inventories. Whereas in 1946 stocks of purchased materials and goods in process accounted for the bulk of the increase, and finished products were of decidedly smaller importance, the 1947 increase was mainly in finished goods. In the second quarter, manufacturers' stocks of purchased raw materials actually declined and goods in process showed little change.

It would appear that the impetus behind the recent movement of business inventories stems from retailers who, witnessing the easing of supplies at a time when they anticipated a leveling off of trade, cut their purchases from wholesalers in order to prevent or at least to minimize further increases in their inventories. Wholesalers, in turn, proceeded to diminish their purchases from manufacturers. The consequent increase in manufacturers' stocks of finished items was offset by sharp restrictions upon the accumulation of purchased raw materials, and, to a lesser extent, of goods in process.

It should be noted, of course, that this pattern, though descriptive of industry as a whole, did not apply to all branches of activity. It was typical of those nondurable goods lines where wartime deficiencies had been made good. It did not hold in segments of the economy in which shortages persisted, for instance in the production and distribution of still scarce durable goods.

So far inventory buying has slackened in a gradual manner without depressing the over-all level of economic activity. The main reason for this lies in the fact that the expansion was limited at a stage of the postwar business cycle at which the demand situation was still generally strong. As will be seen from the following discussion, other components of national expenditure expanded to compensate for the smaller demand for business inventories. Most important in this connection was net foreign investment, though a cushioning effect was exercised also by fixed domestic investment and increased personal consumption expenditures for items that had been scarce since the war and gradually became available again. Wage rate increases also maintained consumer demand.

Chart 4.—Wholesale and Consumers' Price Indexes



[1] Preliminary estimates for July 1947 based upon weekly indexes through July 26.

Sources: Basic data, U. S. Department of Labor; conversion of wholesale prices to a 1935–39 base and estimate for July 1947, Office of Business Economics.

Foreign Demand at Peak

In the first two quarters of 1947 net sales to foreigners were at unprecedented annual rates of 9 and 11 billion dollars, respectively—almost twice the level of the last quarter of 1946. In part, foreign demand replaced domestic demand that would have been exercised in the absence of foreign bidders. In part, however, it served as an outlet for products for which domestic demand was softening at prevailing prices, and thus prolonged the period at which economic activity could proceed at peak levels without the necessity of price adjustments.

At the current rate of sales, dollar and gold resources of foreign countries are being drawn down rapidly, and it is apparent that a reduction in exports is impending unless these resources are replenished by further loans. The rate at which remaining available gold and dollar balances are spent depends on many factors, including the prospects of financial aid, and the course of foreign purchases in the near future may vary within wide limits. However, import and foreign exchange restrictions imposed recently by a number of American and European countries show that attempts to restrict imports from the United States are already being made.

Producers' Durable Equipment

Producers' purchases of durable equipment have continued to increase in 1947, but a slackening also was apparent in this component of national expenditure. From the first to the second quarter the expansion was at an annual rate of only one billion dollars, as against the rate of two billion which had been typical during 1946. In some instances the leveling off of purchases was due to a softening of demand after immediate postwar requirements had been filled. In others, however, demand continued urgent and the attainment of a plateau of production reflected the fact that capacity operations had been reached and that, due to shortages of basic materials and other factors, only gradual further expansion of output is possible.

Rise in Construction Interrupted

Private construction has moved sideways in 1947, small increases in the first quarter being offset by decreases in the second. Virtually all categories of private construction shared this pattern. The rapid rise in construction costs and in prices charged to ultimate purchasers which occurred over the past year was an important factor limiting demand for construction. In the second quarter construction costs were relatively stable, and data on starts for residential and on contract awards for nonresidential construction indicated a moderate uptrend in private construction activity.

It was apparent, however, that the level of construction activity was inadequate, both in terms of housing needs and in terms of the volume of construction that will be required in the future to maintain high levels of income and production. Private construction currently forms a very low proportion of capital formation and of gross national product as compared with previous periods of prosperity. In 1929, when the peak of construction was well passed, private construction accounted for 50 percent of gross private domestic investment and 8 percent of gross national product, as compared with 32 percent and 4 percent in the second quarter of 1947.

Consumer Expenditures Level Off

Consumer demand remained generally firm in the first half of 1947. It continued to be in excess of supply for many types of durable goods. Nondurable goods and services also showed further expansion, but here mixed tendencies were apparent, demand losing some of its urgency as goods became more readily available.

Competition for the consumer's dollar is becoming important over a growing segment of the economy. Even though purchases of scarce durable goods can be expected to expand further merely in response to improvements in the supply situation, it is apparent that expenditures in general are tending to parallel consumers' disposable income. Nevertheless, it seems probable that the postwar personal restocking movement has continued to be a factor making for a high level of consumer expenditures, which are to that extent, therefore, bolstered by an element that is temporary in character.

Role of Government

Federal government expenditures in 1947 had ceased to play their spectacular wartime role of being the most important single determinant of the size and pattern of national economic activity. Government purchases of gross national product were near the levels to which they had dropped rapidly after the cessation of hostilities, and no substantial change in this situation appears to be due in the near future. The fact that these purchases are comparatively stable at rates which are low as compared with the war period does not mean that Federal finances have ceased to be an important factor in the economic picture. Most relevant for the immediate economic situation was the large Federal Government surplus which exceeded the 13 billion dollar annual rate shown for the combined Federal and State and local surplus in table 1. Given the general excess of demand over supply in the rest of the economy taken as a whole, this surplus served as a check upon inflationary developments.

In addition to this particular influence, however, the increase of Federal expenditures and receipts as compared with prewar tends to decrease the sensitiveness of the economic structure to the impact of cyclical disturbances. Currently Federal purchases of gross national product are at annual rates of 18 billion dollars or 8 percent of the total, as compared with 1 percent in 1929 and 6 percent in 1939. These substantial purchases are less influenced than other purchases of national output by changes in the level of economic activity and can thus be expected to exercise a stabilizing influence. The tax structure which supports the increased level of Federal expenditures has a similar influence. The effect of initial changes in economic activity and income on disposable income is mitigated, because taxes absorb part of the change. Hence, the effect upon spending is dampened and the secondary changes in income and economic activity are smaller.

State and local government expenditures continued to expand in the first half of 1947 as a result of higher costs of government operations and some increase in construction. Though State and local construction has about tripled since the end of the war it is still low both in terms of past achievements and also in terms of State and local plans for postwar construction.

Flow of Income

The flow of income has been maintained at high levels thus far in 1947, with noteworthy stability both in the aggregate and in the major components. Wages and salaries reflected mainly the gradual stabilization of production. The total increased moderately each quarter, private pay rolls more than compensating the reduction in government. Within the private sphere a large part of the increase was concentrated in durable goods manufacturing. Expansion in other industries was noticeably slower.

Increases in average hourly earnings contributed to the increase in pay rolls. They were accelerated in May and June, but even earlier were a factor in the economic situation, tending to increase purchasing power and to sustain consumer expenditure. Available data indicate that in manufacturing and trade combined, which currently account for more than one-half of private pay rolls, the change in pay rolls between the fourth quarter of 1946 and the first quarter of 1947 which was attributable to changes in average earnings amounted to about one and a half billion dollars at annual rates, and to about three billion between the fourth quarter of 1946 and the second quarter of 1947.

With the rise in the volume and value of business, first quarter profits of corporations and of unincorporated enterprises increased as compared with the last quarter of 1946.

The profit record of various industries continues to be divergent. In general, the reconversion industries in the durable field are now experiencing the favorable results of expanding production. The position of the railroads has changed markedly for the better. Other public utilities showed a moderate rise. The nondurable manufacturing industries in the aggregate are just about holding even. In the distributive trades, profits remained high, though below the peaks attained in the strong sellers' market last year.

Data on corporate profits for the second quarter are as yet fragmentary, but no sizable change from the first quarter figure is expected.

Redemption of Armed Forces Leave Bonds

Redemption of Armed Forces Leave Bonds on or after September 2, 1947, permitted under legislation passed in late July, may be expected to provide a temporary stimulus to personal consumption expenditures in the immediate future. In signing the bill, the President issued a statement urging veterans not to cash their bonds unless they are in urgent need of the money now.

The Armed Forces Leave Act, enacted August 9, 1946, had provided for the payment of unused leave due enlisted men when demobilized in bonds maturing in 5 years and bearing interest at 2½ percent. The bonds were issued, one to a veteran, in multiples of 25 dollars (and a minimum of 50 dollars) with odd amounts paid in cash. In order to prevent a substantial addition to purchasing power at that particular time, the law stipulated that the bonds be nonnegotiable and nonredeemable. Bond payments were based upon accrued leave, rank at time of discharge, subsistence and quarters allowances, and length of service, with payment limited to a maximum of 120 days leave.

Bonds Total 1.8 Billion Dollars

As of June 30, 1947, approximately 8,500,000 veterans held Armed Forces Leave Bonds having a face value plus accrued interest of 1,838 million dollars (see chart 5). Fifty-four million dollars had been redeemed through death and applications to insurance premiums. Although it is difficult to estimate how many of the remaining 6,000,000 veterans of World War II are eligible for bond payments and may be expected to make applications before September 1, 1948 (the new deadline replacing September 1, 1947), indications are that the bonds already issued constitute the bulk of the Government liability.

The average holding (face value plus interest) is 216 dollars and 82 percent of the total bond value is in denominations of 400 dollars or less. While the size of bonds ranges from 50 dollars to 1,000 dollars and more, the greatest concentration of total bond value is in the smaller denominations, with almost 30 percent

Table 3.—Distribution of Armed Forces Leave Bonds Outstanding as of June 30, 1947

Bond denomination [1]	Veterans holding bonds			Bond value (face value plus accrued interest)		
	Number	Cumulative number	Cumulative percentage distribution	Amount	Cumulative amount	Cumulative percentage distribution
	Thousands			Millions of dollars		
$50-100	1,762	1,762	20.7	142	142	7.7
125-200	3,284	5,046	59.4	544	686	37.3
225-300	2,016	7,062	83.1	529	1,215	66.1
325-400	812	7,874	92.6	295	1,510	82.1
425-500	336	8,210	96.6	157	1,667	90.7
525-1,000	275	8,485	99.8	152	1,819	99.0
1,025 and over	15	8,500	100.0	19	1,838	100.0

[1] Bonds are in $25 multiples (and a minimum of $50) with one bond to a veteran.

Source: U. S. Treasury Department.

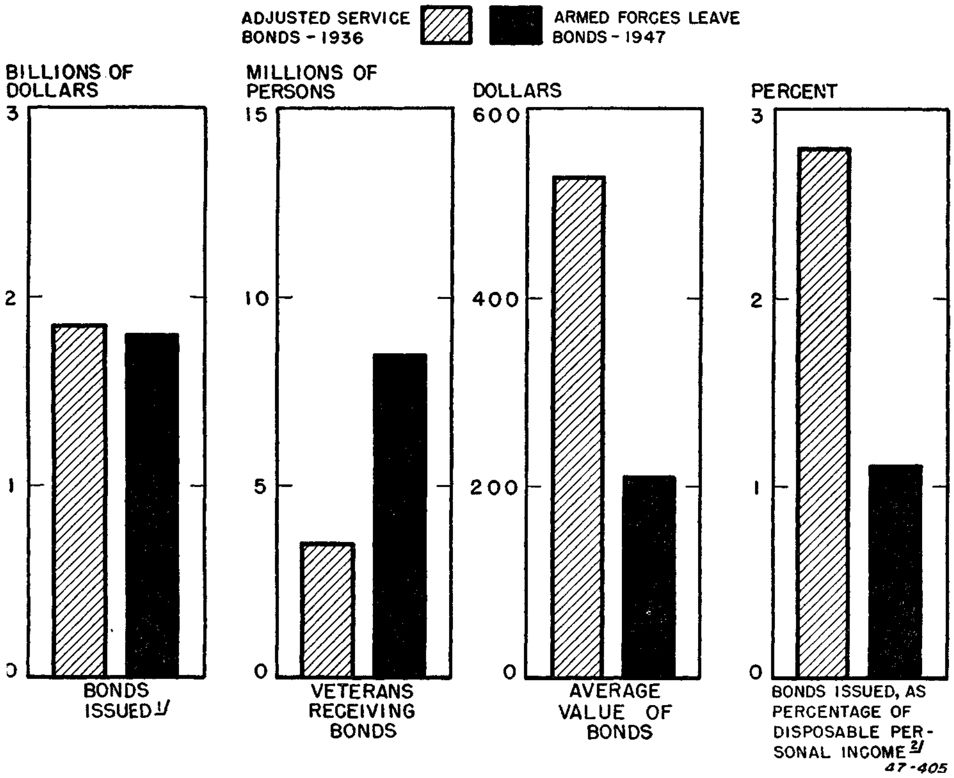
of the total bond value in 125 to 200 dollar bonds, and an additional 29 percent in 225 to 300 dollar bonds. The concentration of veterans holding bonds in the smaller denominations is even greater, with 93 percent of the veterans holding bonds in denominations of 400 dollars or less, and 39 percent in denominations ranging from 125 to 200 dollars. The distribution of bond value and veterans holding bonds, by denomination of bond, is shown in table 3.

Parallel Experience in 1936

A parallel to the permissive redemption of Armed Forces Leave Bonds on September 2, 1947, is to be found in the payment of the Adjusted Service Certificates in 1936. The World War Veterans Adjusted Compensation Act of 1924 provided "adjusted service credit" to veterans on the basis of length of service in excess of 60 days during World War I—$1.25 for each day of service overseas and $1 per day for service at home—with a maximum of 625 dollars for overseas veterans and 500 dollars for nonoverseas veterans.

The Adjusted Compensation Act of 1936 provided for the immediate payment of the face amount of Adjusted Service Certificates, which had been issued pursuant to the 1924 law, less outstanding loans and accrued interest to September 30, 1931. Payment was authorized to be made on or after June 15, 1936, by the issuance of nonnegotiable but immediately redeemable bonds in the denomination of 50 dollars with odd amounts between 50-dollar multiples paid by check. Bonds were dated June 15, 1936, to mature on June 15, 1945, and accrued interest at the rate of 3 percent, with no interest payable prior to June 15, 1937.

Chart 5.—Adjusted Service Bonds and Armed Forces Leave Bonds

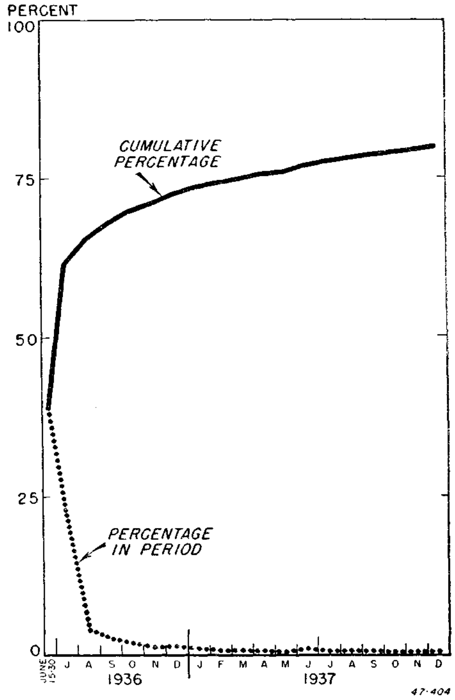


[1] Represents adjusted service bonds issued during and after 1936, and armed forces leave bonds issued through June 30, 1947, less a small amount paid on death or applied to payment of insurance premiums.

[2] Data for disposable personal income are totals for first half of 1936 and 1947, seasonally adjusted, at annual rates.

Sources of data: U. S. Treasury Department and Office of Business Economics.

Chart 6.—Redemptions of Adjusted Service Bonds: Percentage of Total Issued



Source of data: U. S. Treasury Department

Under the Act, veterans received bonds totaling 1,850 million dollars and checks totaling 84 million dollars. In all, approximately 3,500,000 veterans of World War I received Adjusted Service Bonds averaging about 530 dollars.

Rapid Cashing in of 1936 Bonds

The bulk of the bonds were cashed in almost immediately: 39 percent in the first 15 days, 61 percent in the first 45 days, and 75 percent in the first year. The actual distribution of redemptions over the 1936–37 period is illustrated in chart 6. How much of the bonds cashed was actually spent within given time periods is not known since there is no way of determining what expenditures would have been without this stimulus. Retail sales data show some unusual rise in sales of apparel stores and general merchandise stores in July, 1936, but in

(Continued on p. 24)

State Income Payments in 1946

By Charles F. Schwartz and Robert E. Graham, Jr.

DURING 1946 income payments to individuals were at a record high in nearly every State.[1]

For the continental United States as a whole, total income received by individuals in 1946 amounted to more than 169 billion dollars, approximately one-tenth above the previous all-time high of 155 billions in 1945. In four-fifths of the States, the 1945–46 increase in individual incomes was 5 percent or more (see table 1). In 15 States, it was as much as 12 percent or more, with Iowa's gain of 27 percent ranking highest. In the three Southern States where 1946 total incomes failed to rise—Florida, Louisiana, and Mississippi—the declines were fractional.

Income gains of 10 to 12 percent were scored in the Central, New England, and Middle Eastern regions. In the Far West, Southeast, and Southwest—the three areas where the war effort had provided the greatest impetus to the expansion of incomes—the 1945–46 gains were of less-than-average proportions.

Total income payments in 1946 were also high throughout the country by comparison with the peak war year 1944. With the national total of income payments last year 12 percent above 1944, throughout the National generally the flow of income to individuals was appreciably higher than during the war. Exceptions are found principally in several of the Southern and Western States. In such States, the lag behind the Nation-wide 1944–46 expansion resulted directly from the drastic curtailment of a specific war activity (such as shipbuilding, aircraft production, or the concentration of military and naval establishments) that had become a major source of income. Even in these States, however, aggregate 1946 incomes were close to peak wartime levels.

It is fully apparent, then, that on a State and regional basis, as well as for the Nation as a whole, the year 1946 was one of high prosperity. The State income data reflect generally swift adjustments to peacetime conditions in all parts of the country. This is a generalization of prime importance that nevertheless does not deny the severity of readjustment problems in specific local areas and the unequal impact of the transition period on various income groups or classes of the population.

Summary

In nearly every State the flow of dollar income in 1946 was at a record level, appreciably higher than during the war.

Largest relative income gains during 1946 were scored in the Central, New England, and Middle Eastern regions. In the Far West, Southeast, and Southwest—the three areas where individual incomes had been boosted to an unusual degree by the stimulus of the war effort—the 1945–46 gains were of less-than-average proportions.

Comparison of the State distributions of income payments for 1946 and 1940 reveals a significant redistribution of income from New England and the Middle Eastern States to the South and West. In general, this was an acceleration of 1929–40 trends.

This article continues the series of reports on State income payments which have been published annually in the SURVEY.

Developments on National Scale

Prior to a further discussion of State income payments in 1946 as compared with those in previous years, a summary picture of developments on a national scale should prove useful. Moreover, for the purpose of analyzing the principal shifts in the geographic distribution of income from prewar 1940 through postwar 1946, a knowledge of the more dynamic elements in the Nation's income flow is essential. These elements stemmed in large measure from Federal war spending, an income generating force of "national origin" that conditioned geographic changes in income payments to a considerable degree.

Table 2 shows, for the continental United States for selected years since 1940, total income payments and the principal components to which the changes in total income can be traced.

From 1940 to 1943 the aggregate income received by individuals rose from 76 billion dollars to 140 billions. Three-fifths of this unprecedented 64-billion-dollar expansion was contributed by "war" manufacturing payrolls, pay of the armed forces, Federal civilian pay rolls, and agricultural income. The upsurge of these four sources of income resulted directly—particularly for those other than agricultural income — from the rapid climb of Federal war spending. Their uneven expansion among the States contributed markedly to an acceleration of the prewar redistribution of income in favor of the South and Far West.

In 1944, however, these four sources of income accounted for only one-sixth of the 11-billion increase in total income payments. War production having levelled off, expansion of total income stemmed mostly from payments by trade and service establishments, military allowances and allotments, and Federal interest payments. Their geographic expansion was rather uniform, and the State distribution of income payments in 1944 was closely similar to that in 1943.

[1] Technical notes defining State income payments are provided at the end of the article. Attention is called in particular to the explanation of the status of the State income series in relation to the revised national income and product series published in the National Income Supplement to the July 1947 SURVEY.

NOTE.—Mr. Schwartz and Mr. Graham are members of the National Income Division, Office of Business Economics.

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The annual data for 1945 reflect the summary effects of the strikingly different developments before and after VJ-day. On a Nation-wide basis, neither the level nor composition of income payments changed markedly from 1944 through the second quarter of 1945. With the surrender of Japan and the immediate curtailment of war production, income payments in the fourth quarter of 1945 were nevertheless maintained at the wartime level by (1) greatly expanded volumes of mustering-out payments to discharged servicemen and unemployment benefits, (2) an income spurt in the trade and service sectors as consumer spending turned sharply upward, and (3) a continued advance of income payments by most other private nonagricultural industries. These developments are manifested in the State distribution of income by the slightly reduced shares of the Nation's 1945 total received by States where war spending had boosted income payments to an unusual degree. The distribution of income in 1945, however, was very similar to that in 1944.

Income Flow in 1946

Comparison of the 1946 and 1945 data shown in table 2 reveals, for the most part, an accentuation of the 1944–45 income changes. These are, on the one hand, contracted pay rolls in "war" manufacturing, sharply reduced military payments, and lower Federal civilian pay rolls; and, on the other, an impressive 10-billion-dollar increase in income from trade and service, a rise of one-fifth in pay rolls of "nonwar" manufacturing industries, a greatly enlarged volume of veterans' pensions and benefits, and a sharp increase in agricultural income.

Prices were an important element in the 1946 income expansion. The underlying economic pressures continued to be inflationary. When these were unleashed by the elimination of price controls, prices climbed rapidly in the latter half of the year. The consumers' price index of the Bureau of Labor Statistics, which had advanced 4 percent over the 3-year period 1943–45, rose 15 percent from June to December in 1946, and for the year as a whole averaged 8 percent above 1945.

Particularly to be noted from table 2 are the marked shifts in the composition of income payments from 1944 to 1946 and the sources of the 18-billion-dollar growth of total income. The aggregate of "war" manufacturing pay rolls, military payments, and Federal civilian pay rolls was 17 billion dollars less in 1946 than in 1944. This reduction, amounting to almost two-fifths, was much more than offset by the 35-billion-dollar income expansion in "nonwar" sectors of the economy. The principal role of trade and service in this expansion is clearly evident.

Changes in Income Sources

In broad outline, this national pattern prevailed on a State basis. In every State, income payments in 1946 approximated or exceeded the 1944 total mainly by virtue of a rise in income from trade and service, "nonwar" manufactures, and agriculture replacing—or sometimes far outstripping—the loss of income from "war" manufactures, military payments, and Federal civilian pay rolls. Further generalization would involve oversimplification, as there were wide differences among the States in the relative importance of these several sources in the 1944 income stream and in the rates at which they changed from 1944 to 1946. These differences are summarized in table 3. This table permits analysis by States and regions of the major changes in the levels and sources of income payments that occurred in the transition from war to peace.

No less interesting than a comparison of wartime and postwar incomes is an analysis of the changes which occurred between the immediate prewar period and 1946. Table 4 measures for each State and region the proportion of total income payments in 1940 and 1946 formed by agricultural income, manufacturing wages and salaries, trade and

Table 1.—Percent Distribution of, and Relative Changes in, Total Income Payments, by States and Regions, Selected Years, 1929–46 [1]

State and region	Percent distribution						Percent change				
	1929	1940	1943	1944	1945	1946	1929 to 1940	1940 to 1946	1940 to 1944	1944 to 1946	1945 to 1946
Continental United States	100.00	100.00	100.00	100.00	100.00	100.00	−8	+123	+99	+12	+9
New England	8.22	8.07	7.31	7.08	7.00	7.08	−10	+96	+75	+12	+10
Connecticut	1.77	1.87	1.89	1.79	1.70	1.70	−3	+103	+92	+6	+9
Maine	.54	.57	.61	.57	.55	.54	−4	+113	+101	+6	+8
Massachusetts	4.58	4.36	3.68	3.60	3.62	3.70	−13	+90	+65	+15	+11
New Hampshire	.37	.35	.27	.28	.30	.32	−11	+102	+56	+30	+18
Rhode Island	.70	.67	.66	.64	.62	.59	−12	+97	+88	+4	+5
Vermont	.26	.25	.20	.20	.21	.23	−13	+105	+63	+26	+16
Middle East	33.70	32.06	27.66	27.77	28.08	28.35	−13	+98	+73	+14	+10
Delaware	.26	.31	.27	.27	.25	.25	+10	+80	+68	+7	+9
District of Columbia	.77	1.19	1.03	1.00	1.04	1.02	+42	+92	+67	+15	+8
Maryland	1.34	1.61	1.72	1.68	1.61	1.60	+10	+122	+108	+7	+9
New Jersey	3.96	4.14	3.84	3.83	3.72	3.64	−4	+96	+85	+6	+7
New York	17.53	15.60	12.59	12.76	13.18	13.52	−18	+94	+63	+19	+12
Pennsylvania	8.88	8.21	7.33	7.33	7.33	7.34	−15	+100	+78	+12	+9
West Virginia	.96	1.00	.88	.90	.95	.98	−4	+118	+80	+21	+13
Southeast	10.51	11.92	13.88	14.20	14.35	13.81	+4	+159	+138	+9	+5
Alabama	.97	1.00	1.27	1.29	1.30	1.22	−5	+172	+155	+7	+3
Arkansas	.68	.65	.70	.74	.78	.78	−12	+169	+128	+18	+9
Florida	.84	1.19	1.50	1.57	1.56	1.40	+29	+163	+163	(2)	−2
Georgia	1.16	1.30	1.53	1.56	1.58	1.51	+3	+160	+141	+8	+5
Kentucky	1.17	1.16	1.20	1.21	1.26	1.28	−9	+146	+107	+19	+10
Louisiana	1.04	1.12	1.34	1.32	1.28	1.17	−2	+134	+136	−1	(2)
Mississippi	.66	.58	.77	.79	.78	.70	−18	+167	+168	−1	−2
North Carolina	1.17	1.49	1.61	1.66	1.69	1.79	+17	+168	+122	+21	+16
South Carolina	.53	.72	.81	.84	.84	.83	+24	+158	+132	+11	+8
Tennessee	1.10	1.22	1.42	1.51	1.57	1.50	+2	+174	+146	+11	+4
Virginia	1.19	1.49	1.73	1.71	1.71	1.63	+14	+144	+130	+6	+4
Southwest	5.03	5.15	6.09	6.11	6.04	5.73	−6	+149	+136	+5	+4
Arizona	.30	.31	.43	.38	.38	.37	−3	+164	+145	+8	+6
New Mexico	.19	.25	.27	.28	.29	.29	+18	+158	+121	+17	+10
Oklahoma	1.31	1.09	1.14	1.20	1.16	1.09	−23	+123	+118	+2	+3
Texas	3.23	3.50	4.25	4.25	4.21	3.98	−1	+154	+143	+5	+3
Central	29.32	28.56	27.97	27.64	27.62	28.26	−11	+121	+93	+14	+12
Illinois	8.52	7.57	6.68	6.79	6.89	7.10	−18	+109	+79	+17	+12
Indiana	2.27	2.45	2.66	2.60	2.64	2.59	−1	+136	+111	+12	+7
Iowa	1.63	1.63	1.61	1.45	1.53	1.78	−9	+144	+77	+38	+27
Michigan	4.29	4.51	4.90	4.74	4.38	4.36	−3	+115	+109	+3	+9
Minnesota	1.75	1.88	1.62	1.59	1.68	1.82	−1	+116	+69	+28	+18
Missouri	2.67	2.52	2.40	2.39	2.43	2.57	−13	+127	+89	+20	+15
Ohio	5.95	5.86	5.96	5.90	5.87	5.79	−10	+120	+100	+10	+8
Wisconsin	2.24	2.14	2.14	2.18	2.20	2.25	−12	+134	+103	+15	+11
Northwest	4.75	4.44	4.96	4.95	4.96	4.99	−14	+151	+123	+13	+10
Colorado	.77	.78	.81	.76	.82	.81	−7	+134	+95	+20	+9
Idaho	.28	.31	.34	.35	.34	.35	+1	+153	+127	+11	+12
Kansas	1.20	1.00	1.27	1.30	1.23	1.17	−24	+163	+161	+1	+4
Montana	.39	.42	.37	.35	.36	.40	−1	+108	+65	+27	+21
Nebraska	.92	.75	.83	.86	.86	.88	−26	+162	+128	+15	+12
North Dakota	.32	.31	.36	.37	.36	.37	−10	+163	+135	+12	+10
South Dakota	.35	.32	.32	.36	.39	.40	−16	+178	+126	+23	+13
Utah	.33	.35	.49	.42	.42	.41	−3	+160	+140	+8	+6
Wyoming	.19	.20	.17	.18	.18	.20	−2	+122	+77	+25	+17
Far West	8.47	9.80	12.13	12.25	11.95	11.78	+6	+169	+149	+8	+8
California	6.31	7.39	8.79	8.91	8.79	8.78	+7	+165	+140	+10	+9
Nevada	.09	.12	.15	.14	.14	.14	+24	+155	+124	+14	+12
Oregon	.73	.84	1.12	1.08	1.05	1.02	+5	+173	+158	+6	+6
Washington	1.34	1.45	2.07	2.12	1.97	1.84	(2)	+184	+191	−3	+2

1 Computed from data shown in table 12.
2 Less than five-tenths of 1 percent.

Source: Office of Business Economics.

service income, and government income payments. The table thus provides data for analysis of prewar to postwar changes in the principal industrial sources of income payments and, correlatively, the comparative importance of these sources in contributing to the 1940 to 1946 income expansion.

It is clear, for example, that agriculture provided the greatest impetus to the 1940–46 growth of total income payments in the Northwest and in several of the farm States of the Central and Southeastern areas. The influence of manufacturing on the growth of aggregate incomes from 1940 to 1946 was most pronounced in New England, the Middle East, and the Southwest.

Trade and service were more important in the Middle East, Southwest, and Far West than elsewhere in contributing to the rise in incomes from 1940 to 1946. In every part of the country, income payments by Federal and State and local governments accounted for a larger share of all income in 1946 than in 1940. But the influence of government was most pronounced in the South. This was due mainly to military payments, which even in postwar 1946 formed as much as 5 percent of total income in the two Southern regions.

Table 2.—Income Payments to Individuals in Continental United States, 1940 and 1943–46

[Billions of dollars]

Item	1940	1943	1944	1945	1946
"War" manufacturing pay rolls [1]	7.3	27.1	28.2	22.8	18.0
"Nonwar" manufacturing pay rolls [2]	7.9	13.2	14.0	14.7	17.7
Pay of armed forces [3]	.4	5.5	5.2	4.2	2.3
Military allowances and allotments [4]	------	3.0	6.2	8.5	4.0
Federal civilian pay rolls [5]	1.7	6.9	7.3	7.0	5.8
Agricultural income [6]	5.4	12.8	13.4	14.0	16.7
Trade and service income [7]	18.2	28.1	31.5	35.1	44.8
Unemployment benefits [8]	.5	.1	.1	.4	1.1
Veterans' pensions and benefits [9]	.4	.4	.6	1.1	4.4
All other income	34.1	42.9	44.7	47.4	54.6
Total income payments	75.9	140.0	151.2	155.2	169.4

[1] "War" manufacturing industries include chemicals and allied products, rubber products, iron and steel and their products, ordnance and accessories, transportation equipment (except automobiles), nonferrous metals and their products, electrical machinery, machinery (except electrical), and automobiles and automobile equipment.

[2] "Nonwar" manufacturing industries consist of food and kindred products, tobacco manufactures, textile-mill products, apparel and other finished fabric products, lumber and timber basic products, paper and allied products, printing and publishing, products of petroleum and coal, leather and leather products, stone, clay, and glass products, and miscellaneous manufacturing industries.

[3] Net of allotments of pay to individuals and of contributions to family-allowance payments.

[4] Include family-allowance payments, allotments of pay to individuals, mustering-out payments, and enlisted men's cash terminal leave payments.

[5] Include pay of employees (net of their contributions to retirement funds) in the Federal Executive Service in the continental United States.

[6] Includes net income of farm operators (adjusted for change in inventories of crops and livestock), farm wages, and net rents to landlords living on farms.

[7] Includes wages and salaries (net of employee contributions to social insurance programs) and proprietors' income.

[8] Include State unemployment compensation benefits and railroad unemployment insurance benefits.

[9] Include pensions and disability compensation, readjustment allowances, self-employment allowances, cash subsistence allowances, and State government bonuses to veterans of World War II.

Source: Office of Business Economics.

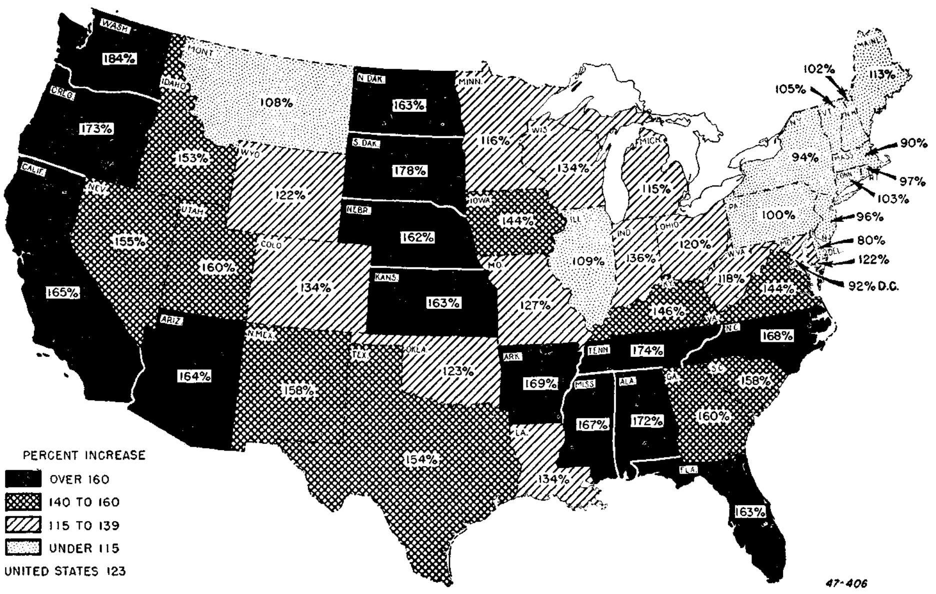
Redistribution of Income

The probable nature of the geographic distribution of income in the immediate postwar period was a principal subject of analysis in the reports on State income payments of the last few years. The nature of developing war-period shifts, the appraisal of regional differences in sources of war-period income growth, and the geographic income distribution in the fourth quarter of 1945 shown by special compilations presented in the August 1946 Survey all furnished the general preview of a significant redistribution of income from New England and the Middle Eastern States to the South and West.

These are the main shifts in the geographic distribution of income now indicated by a comparison of the 1946 and 1940 State income totals. They are clearly portrayed in map 1. Of the 24 States which scored 1940–46 increases in income payments falling in the two top brackets depicted on the map, 23 are located in the Southeast, Southwest, Northwest, and Far West. On the other hand, all but two States falling within the lowest bracket are in New England and the Middle East. Aggregate income received in the four Southern and Western regions rose 159 percent from 1940 to 1946. This contrasts with the 97 percent gain for the New England and Middle Eastern areas combined. The income gain of the Central region closely approximated the Nation-wide average.

This pattern of change in the geographic distribution of income accords, in general, with that occurring over the prewar period 1929 to 1940. In the prewar period, as well as from 1940 to 1946, New England and the Middle East received declining shares of the country's total income and the two Southern regions and the Far West received increasing shares. Over the span of both periods, the share received by the large Central region was relatively constant. The Northwest, however, furnishes an exception to the generalization that changes in the geographic distribution of income between 1940 and 1946 were in accord with developments of the prewar decade. This region's income share was reduced over the 1929–40 period, but it rose appreciably from 1940 to 1946.

Map 1.—Percentage Increase in Total Income Payments, 1946 from 1940



Source of data : Office of Business Economics.

Table 3.—Selected Components of Total Income Payments, by States and Regions: Percent of Total Income in 1944 and Percent Change, 1944 to 1946

State and region	Percent of total income payments in 1944					Percent change, 1944 to 1946				
	"War" manufacturing pay rolls [1]	Federal pay rolls and military allowances [2]	"Nonwar" manufacturing pay rolls [3]	Agricultural Income [4]	Trade and service income [5]	"War" manufacturing pay rolls [1]	Federal pay rolls and military allowances [2]	"Nonwar" manufacturing pay rolls [3]	Agricultural income [4]	Trade and service income [5]
Continental United States	18.8	12.6	9.4	8.9	21.0	−36	−35	+26	+24	+42
New England	23.7	10.4	13.6	2.4	19.7	−30	−43	+31	+33	+38
Connecticut	39.3	5.0	7.8	2.0	16.7	−28	−36	+31	+23	+40
Maine	16.3	14.8	17.1	7.5	18.9	−74	−48	+35	+50	+33
Massachusetts	19.6	11.7	14.4	1.4	21.3	−27	−43	+30	+27	+38
New Hampshire	6.0	10.0	26.6	4.2	22.1	+6	−36	+30	+46	+45
Rhode Island	21.1	15.8	16.3	.8	18.4	−34	−51	+34	+8	+29
Vermont	12.7	6.3	14.9	13.1	19.8	−35	−10	+29	+29	+50
Middle East	18.8	11.0	11.7	2.2	22.6	−32	−27	+27	+28	+41
Delaware	29.2	7.9	6.4	7.9	16.2	−25	−45	+50	−19	+41
District of Columbia	.1	50.8	2.2	-------	23.2	+3	−5	+29	-------	+36
Maryland	23.5	15.9	7.6	3.5	19.9	−43	−20	+28	+20	+46
New Jersey	31.5	8.8	11.8	1.6	18.2	−37	−21	+25	+43	+40
New York	13.2	8.8	14.1	1.9	26.4	−30	−36	+26	+26	+41
Pennsylvania	23.5	9.6	10.5	2.6	19.6	−29	−34	+28	+28	+41
West Virginia	13.0	8.8	7.7	4.8	16.9	−9	−29	+33	+48	+45
Southeast	8.3	22.3	9.7	15.4	19.2	−49	−44	+30	+19	+41
Alabama	15.2	19.9	8.3	13.4	18.6	−47	−42	+32	+15	+38
Arkansas	3.0	20.9	7.0	26.3	20.4	−71	−46	+19	+29	+45
Florida	8.2	28.8	4.5	11.5	22.2	−79	−54	+26	+14	+39
Georgia	9.5	23.6	12.1	12.7	20.4	−72	−49	+34	+20	+45
Kentucky	8.6	15.2	6.6	18.8	18.6	−38	−31	+34	+26	+45
Louisiana	10.3	20.4	8.5	9.8	20.2	−71	−49	+22	+4	+35
Mississippi	4.6	25.2	7.0	27.7	17.2	−30	−50	+20	−18	+41
North Carolina	4.7	18.8	18.1	22.2	17.0	−58	−38	+34	+25	+49
South Carolina	1.3	28.6	18.1	17.1	17.3	−28	−55	+31	+36	+36
Tennessee	12.3	14.1	8.6	12.3	19.8	−19	−31	+32	+35	+42
Virginia	7.8	30.2	7.5	10.2	18.7	−24	−33	+28	+19	+36
Southwest	9.2	20.1	5.1	14.8	20.5	−64	−45	+27	+4	+41
Arizona	6.9	23.3	3.2	14.0	21.1	−75	−54	+8	+30	+44
New Mexico	1.2	28.6	1.7	16.9	18.7	+132	−46	+45	+10	+65
Oklahoma	8.6	19.1	4.5	17.9	20.2	−71	−47	+17	−6	+31
Texas	10.1	19.5	5.7	13.9	20.6	−63	−44	+17	+5	+42
Central	27.4	7.5	8.7	9.0	20.1	−27	−26	+24	+44	+42
Illinois	21.7	8.7	10.7	6.0	22.1	−21	−28	+26	+53	+38
Indiana	32.7	7.5	8.2	9.2	18.2	−29	−24	+19	+46	+49
Iowa	8.1	7.4	7.4	31.0	19.3	−28	−28	+14	+68	+54
Michigan	44.5	5.5	5.6	4.7	18.2	−31	−32	+22	+23	+34
Minnesota	11.4	6.7	9.4	19.7	22.0	−38	−7	+24	+38	+65
Missouri	13.5	10.9	10.1	12.3	23.6	−37	−28	+20	+38	+35
Ohio	34.1	7.4	7.5	4.4	18.8	−26	−27	+30	+40	+42
Wisconsin	24.0	5.4	11.4	14.1	19.3	−27	−23	+18	+25	+45
Northwest	6.3	14.0	4.4	27.7	18.6	−58	−39	+19	+13	+49
Colorado	5.4	16.6	4.7	15.4	21.8	−4	−26	+26	+19	+52
Idaho	.5	17.7	5.8	32.7	17.4	+46	−60	+25	+2	+58
Kansas	14.6	13.1	4.9	23.2	16.6	−74	−45	+15	+8	+40
Montana	2.6	9.0	4.0	31.2	18.6	−14	−19	+22	+27	+60
Nebraska	5.9	13.3	5.2	29.2	19.9	−64	−47	+15	+25	+46
North Dakota	.1	5.7	1.7	57.8	17.0	+50	−13	+11	−8	+51
South Dakota	.4	11.4	3.0	47.4	18.3	+9	−38	+17	+21	+46
Utah	3.9	23.1	4.0	12.8	19.1	−28	−31	+26	+3	+50
Wyoming	.1	15.7	4.5	22.3	17.8	+25	−49	+26	+38	+61
Far West	18.8	13.3	6.7	9.2	23.2	−64	−30	+27	+20	+46
California	18.6	13.5	5.7	8.6	24.1	−59	−29	+32	+21	+49
Nevada	7.1	22.9	1.3	8.2	21.2	−73	−58	+59	+45	+75
Oregon	19.2	8.1	13.1	11.6	21.4	−80	−34	+20	+23	+43
Washington	20.4	14.7	8.3	10.3	20.2	−74	−28	+16	+12	+36

[1] "War" manufacturing industries include chemicals and allied products, rubber products, iron and steel and their products, ordnance and accessories, transportation equipment (except automobiles), nonferrous metals and their products, electrical machinery, machinery (except electrical), and automobiles and automobile equipment.

[2] Comprise pay of Federal civilian employees, net pay of armed forces, family-allowance payments to dependents of enlisted military personnel, voluntary allotments of military pay to individuals, mustering-out payments to discharged servicemen, and enlisted men's cash terminal leave payments.

[3] "Nonwar" manufacturing industries consist of food and kindred products, tobacco manufactures, textile-mill products, apparel and other finished fabric products, lumber and timber basic products, paper and allied products, printing and publishing, products of petroleum and coal, leather and leather products, stone, clay and glass products, and miscellaneous manufacturing industries.

[4] Includes net income of farm operators (adjusted for changes in inventories of crops and livestock), farm wages, and net rents to landlords living on farms.

[5] Includes wages and salaries and net income of proprietors.

Source: Office of Business Economics.

Regions with Declining Trends

Over the period 1929 to 1946 comparative stability and a declining trend relative to the Nation characterized New England's income payments. The regional movements were dominated by Massachusetts, which receives about half of New England's total income. The relative income decline of the region was slight from 1929 to 1940 but was accelerated from 1940 to 1946.

The declining relative trend of the Middle East was slight in the prewar period but was more accentuated over the 1940–46 period. The relative decline centered in New York and Pennsylvania in the prewar years but was quite general throughout the region in the later period. The 1940–46 decline in the region's income share was a composite of a sharply accelerated relative decline from 1940 to 1944 and a better-than-average income record from 1944 to 1946. These were determined by New York and are attributable mainly to the lesser role of direct war activities in the State's economy.

While for market analysis significance should be attached to the long-term declining relative trends of income payments in New England and the Middle East, two facts of correlative importance will not be overlooked. These are that the two regions have comparatively high per capita incomes and are principal centers of population.

Gains in South and Far West

The marked improvement in the relative income position of the Southeast between 1940 and 1946 was an acceleration of prewar developments. In the 1929–40 period total income payments increased 4 percent in this region, as contrasted with the 10 percent decline in the rest of the country. In the 1940–46 period, income growth in the Southeast was second only to that in the Far West. Strides in industrialization and expanded flows of government income payments were major elements in the income gains in both periods. During the war military payments were of unusually large volume in the Southeast, and their reduction with the end of the war was the main reason why the Southeast's income share was reduced between 1944 and 1946.

In the Southwestern region, Texas, New Mexico, and Arizona scored 1940–46 gains in income payments substantially bettering the national average, while that of Oklahoma matched it. Each of them except Oklahoma improved its income position in the prewar decade. As in the Southeast, growth of manufactures and relatively large government income payments were the principal factors in the region's substantial progress over the entire period 1929–46.

In both the 1929–40 and 1940–46 periods, the top-ranking regional increase in total income payments was registered by the Far West. This record performance reflected larger-than-average gains in nearly every type of income. Of greatest importance were those stemming from the manufacturing, government, and trade sectors. Large population growth was also a fundamental factor. Whereas in other sections of the country population increased on the average by 12 percent between 1929 and 1946, the population of the Far West expanded by two-thirds.

The considerably more-than-average advance in total income payments by the agricultural Northwest from 1940 to 1946 contrasts with the relatively unfavorable experience of this area in the preceding decade. In both periods, the income trends were determined largely by the widely varying fortunes of Northwestern agriculture.

Stability of Central States' Share

The long-term tendency of the Central States to receive a comparatively constant share of total income payments is an interesting composite of differing State trends. These stemmed mainly from the widely different emphases within the region placed upon agriculture and heavy industry as sources of income.

The influence of agriculture and heavy industry is clearly stamped on recent-year changes in income payments in individual States of the Central region. From 1944 to 1946, when pay rolls in their "war" manufacturing industries were reduced about one-fourth, the industrial States of Michigan, Indiana, and Ohio received smaller shares of income payments. In Iowa, Minnesota, Missouri, and Wisconsin substantial expansions of farm income resulted in increased shares of income payments in 1945 and 1946. For most of these States the relative movements were not in conformity with longer-term trends, but they very probably should not be construed as reversals of those trends. This is because of the "short-run" nature of the factors—contracting war-industry pay rolls and sharply rising farm income—that determined the movements.

Manufactures and Government

The following two sections provide data for analysis of the roles of manufacturing and government in the geographic shifts of total income payments over the period 1929–46. The manufacturing industry is of obvious and basic importance in conditioning both short-term and long-term changes in the State distribution of income. World War II has resulted in the considerably greater influence of government on State income payments. In 1946, the 36.5-billion-dollar total of factory pay rolls and the 29.5 billion-dollar volume of income payments by Federal and State and local governments together comprised almost two-fifths of all income payments to individuals.

Distribution of Factory Pay Rolls

A principal fact revealed by table 5 is that the pattern of shifts in the State distribution of factory pay rolls from 1929 to 1940 and from 1940 to 1946 was much the same as that noted for total income payments. New England and the Middle East received a declining share of the national total; and the Southeast, Southwest, and Far West received increasing shares. The relative declines in New England and the Middle East, however, were not appreciable. More pronounced was the substantial progress in industrialization made by the South and Far West—a continuation of uptrends traced by the Census of Manufactures as far back as 1889.

From 1929 to 1946, the South and Far West increased their combined share of the Nation's manufacturing pay rolls from 15.5 percent to 20.3 percent. This was a relative gain of one-third. It represented largely a relative shift of manufactures to these areas from the "Old Manufacturing Belt" (comprising the eleven States of Michigan, Ohio, Illinois, Indiana, Wisconsin, Connecticut, Massachusetts, New York, New Jersey, Penn-

Table 4.—Major Industrial Sources of Income Payments in Each State and Region: Selected Components as a Percent of Total Income, 1940 and 1946

State and region	Manufacturing pay rolls		Agricultural income [1]		Trade and service income [2]		Government income payments [3]	
	1940	1946	1940	1946	1940	1946	1940	1946
Continental United States	20.3	21.3	7.2	9.8	25.2	26.6	12.4	17.0
New England	26.7	30.7	2.0	2.9	23.4	24.2	11.8	15.9
Connecticut	34.0	36.3	2.0	2.4	21.3	22.1	8.4	10.6
Maine	23.3	25.6	6.0	10.6	23.5	23.6	14.2	19.4
Massachusetts	23.8	28.8	1.1	1.5	24.5	25.4	12.7	17.8
New Hampshire	26.8	31.6	2.7	4.7	23.5	24.6	14.2	15.4
Rhode Island	30.6	34.3	.8	.8	21.8	22.8	12.5	17.1
Vermont	18.8	21.9	10.5	13.4	23.3	23.5	11.9	14.1
Middle East	21.2	24.2	1.9	2.4	25.3	27.8	12.5	16.6
Delaware	25.3	29.4	5.6	6.0	17.6	21.4	7.8	12.1
District of Columbia	2.8	2.7	------	------	23.8	27.4	42.0	49.3
Maryland	21.1	21.6	3.6	4.0	24.0	27.1	11.9	20.2
New Jersey	30.4	32.7	1.6	2.1	22.1	23.9	10.4	16.3
New York	17.8	22.8	1.4	2.0	28.1	31.4	12.0	14.3
Pennsylvania	25.8	26.9	2.2	2.9	23.1	24.7	11.1	15.8
West Virginia	18.5	18.2	5.6	5.9	19.4	20.2	9.7	16.4
Southeast	15.7	15.5	15.4	16.8	25.2	24.9	13.0	21.5
Alabama	18.7	17.8	14.7	14.5	25.2	24.0	11.7	22.4
Arkansas	8.4	7.8	30.3	28.6	24.1	25.0	11.6	20.8
Florida	7.3	7.4	8.4	13.1	31.6	30.8	13.0	22.9
Georgia	16.5	17.3	15.8	14.0	26.9	27.4	12.5	20.7
Kentucky	12.0	12.0	15.8	19.9	23.8	22.3	12.4	19.3
Louisiana	12.4	13.4	10.2	10.3	25.8	27.6	13.6	21.4
Mississippi	10.0	11.6	28.0	22.8	22.7	24.4	13.6	24.9
North Carolina	24.6	21.7	17.5	23.0	22.2	21.0	10.8	17.8
South Carolina	21.7	22.2	18.4	20.9	22.7	21.3	14.5	21.0
Tennessee	18.6	19.2	14.5	15.0	26.0	25.2	12.7	19.6
Virginia	16.2	14.7	9.9	11.4	24.7	24.0	16.7	27.1
Southwest	8.0	8.9	15.9	14.7	25.2	27.5	12.5	21.1
Arizona	4.6	4.8	13.7	16.9	26.0	28.2	18.6	20.1
New Mexico	2.4	4.5	20.9	15.9	23.5	26.4	16.1	26.8
Oklahoma	7.3	7.6	18.1	16.5	24.0	26.0	14.6	23.2
Texas	9.0	10.0	15.1	13.9	25.6	27.9	11.1	20.2
Central	25.8	26.7	7.8	11.3	24.5	24.9	10.8	14.0
Illinois	23.1	26.3	4.6	7.9	26.6	26.1	10.5	13.6
Indiana	30.7	29.5	7.4	12.0	21.7	24.3	10.6	13.8
Iowa	10.6	10.4	28.4	37.8	22.6	21.6	11.1	12.2
Michigan	38.2	36.6	4.4	5.6	22.3	23.6	10.3	14.6
Minnesota	11.8	14.5	16.9	21.2	26.0	28.4	13.5	15.5
Missouri	16.6	17.1	9.5	14.1	28.2	26.4	10.6	16.2
Ohio	30.5	31.8	4.0	5.6	23.6	24.3	10.1	13.6
Wisconsin	26.1	26.9	11.7	15.2	23.2	24.2	12.2	12.5
Northwest	7.1	7.1	20.3	27.7	23.9	24.5	15.1	17.3
Colorado	8.4	9.2	10.9	15.2	26.8	27.6	17.6	21.3
Idaho	8.1	7.2	24.1	30.0	23.6	24.6	14.5	16.0
Kansas	8.7	9.3	18.8	24.9	22.6	23.0	14.4	17.1
Montana	6.4	5.6	22.4	31.4	21.2	23.5	14.7	15.4
Nebraska	6.9	7.0	20.4	31.9	25.4	25.4	14.2	15.0
North Dakota	2.4	1.8	38.0	47.1	23.0	22.9	13.3	13.9
South Dakota	4.0	3.3	31.5	46.7	23.1	21.7	15.0	14.1
Utah	8.8	7.2	11.5	12.1	25.5	26.5	15.4	25.5
Wyoming	4.3	4.7	23.1	24.6	19.5	23.0	16.5	14.6
Far West	13.6	14.2	7.0	10.2	29.3	31.5	14.6	18.2
California	12.5	13.7	6.5	9.5	30.1	32.4	14.4	17.9
Nevada	1.8	3.5	9.0	10.4	25.3	32.6	15.9	16.6
Oregon	18.4	18.5	10.3	13.5	27.4	28.9	13.0	15.0
Washington	17.6	15.4	7.3	11.8	26.3	28.1	16.3	21.9

[1] Includes net income of farm operators (adjusted for change in inventories of crops and livestock), farm wages, and net rents to landlords living on farms.
[2] Includes wages and salaries and net income of proprietors.
[3] Consists of pay of State and local and of Federal civilian employees, net pay of the armed forces, family-allowance payments to dependents of enlisted military personnel, voluntary allotments of military pay to individuals, mustering-out payments to discharged servicemen, enlisted men's cash terminal leave payments, interest payments to individuals, public assistance and other direct relief, work relief, veterans' pensions and benefits, State government bonuses to World War II veterans, and benefit payments from social insurance funds.

Source: Office of Business Economics.

Table 5.—Percent Distribution of, and Relative Changes in, Total Manufacturing Wages and Salaries, by States and Regions, Selected Years, 1929–46

State and region	Percent distribution						Percent change			
	1929	1940	1943	1944	1945	1946	1929 to 1940	1940 to 1944	1940 to 1946	1944 to 1946
Continental United States	100.00	100.00	100.00	100.00	100.00	100.00	−6	+177	+134	−15
New England	11.34	10.63	9.98	9.39	9.46	10.22	−12	+145	+126	−8
Connecticut	2.74	3.13	3.27	3.00	2.84	2.89	+8	+165	+117	−18
Maine	.56	.65	.74	.68	.63	.65	+11	+187	+134	−18
Massachusetts	5.99	5.13	4.58	4.34	4.55	5.01	−19	+135	+129	−3
New Hampshire	.56	.47	.32	.32	.37	.48	−21	+90	+138	+26
Rhode Island	1.20	1.02	.87	.85	.86	.96	−20	+130	+121	−4
Vermont	.29	.23	.20	.20	.21	.23	−25	+139	+138	-------
Middle East	34.62	33.52	30.28	30.06	31.28	32.31	−9	+149	+126	−9
Delaware	.20	.39	.34	.34	.32	.35	+88	+137	+109	−2
District of Columbia	.16	.17	.09	.09	.11	.13	+2	+46	+85	+26
Maryland	1.17	1.68	2.05	1.85	1.76	1.63	+35	+207	+128	−26
New Jersey	5.49	6.20	5.89	5.89	5.77	5.59	+7	+163	+111	−20
New York	15.94	13.74	12.41	12.39	13.43	14.48	−19	+150	+147	−1
Pennsylvania	10.83	10.43	8.84	8.84	9.12	9.29	−9	+135	+109	−11
West Virginia	.83	.91	.66	.66	.77	.84	+4	+102	+115	+7
Southeast	7.77	9.23	8.61	9.06	9.62	10.04	+12	+172	+155	−6
Alabama	.79	.93	1.04	1.07	1.10	1.03	+11	+220	+159	−19
Arkansas	.31	.27	.24	.26	.28	.29	−19	+171	+149	−8
Florida	.46	.43	.67	.71	.62	.49	−12	+359	+168	−42
Georgia	.91	1.05	1.08	1.20	1.22	1.23	+9	+214	+174	−13
Kentucky	.66	.69	.59	.65	.68	.72	−1	+163	+146	−6
Louisiana	.74	.68	.78	.88	.85	.74	−13	+258	+153	−29
Mississippi	.34	.29	.30	.32	.34	.38	−20	+208	+208	-------
North Carolina	1.27	1.81	1.35	1.34	1.50	1.82	+35	+106	+136	+15
South Carolina	.53	.77	.59	.58	.68	.87	+37	+108	+164	+27
Tennessee	.90	1.12	1.00	1.12	1.33	1.35	+18	+176	+182	+2
Virginia	.86	1.19	.97	.93	1.02	1.12	+30	+117	+121	+2
Southwest	1.94	2.04	2.84	3.11	2.94	2.41	−1	+323	+176	−35
Arizona	.10	.07	.10	.14	.14	.08	−36	+435	+173	−49
New Mexico	.03	.03	.03	.03	.05	.06	+12	+167	+383	+80
Oklahoma	.45	.39	.50	.55	.54	.39	−18	+293	+133	−41
Texas	1.36	1.55	2.21	2.39	2.21	1.88	+7	+328	+184	−34
Central	36.60	36.43	35.08	35.39	35.16	35.48	−6	+169	+123	−15
Illinois	9.89	8.63	7.25	7.80	8.26	8.76	−18	+151	+138	−5
Indiana	3.36	3.71	3.78	3.77	3.63	3.59	+4	+181	+127	−19
Iowa	.87	.85	78	.80	.84	.87	−8	+159	+140	−8
Michigan	6.72	8.51	8.80	8.41	7.43	7.48	+19	+174	+106	−25
Minnesota	1.19	1.09	1.16	1.17	1.27	1.24	−14	+198	+167	−10
Missouri	2.24	2.06	2.01	2.00	2.16	2.06	−13	+169	+134	−13
Ohio	9.26	8.82	8.71	8.71	8.78	8.64	−10	+174	+130	−16
Wisconsin	3.07	2.76	2.59	2.73	2.79	2.84	−15	+175	+141	−12
Northwest	1.90	1.55	1.87	1.89	1.88	1.65	−23	+237	+150	−26
Colorado	.37	.32	.35	.27	.33	.35	−18	+133	+156	+10
Idaho	.15	.12	.07	.08	.09	.12	−26	+78	+125	+26
Kansas	.51	.43	.80	.91	.77	.52	−22	+484	+182	−52
Montana	.17	.14	.09	.08	.09	.10	−23	+70	+83	+7
Nebraska	.35	.25	.31	.34	.35	.29	−31	+269	+168	−27
North Dakota	.06	.04	.02	.02	.03	.03	−42	+79	+102	+13
South Dakota	.07	.06	.04	.04	.05	.06	−9	+95	+126	+16
Utah	.17	.15	.16	.12	.13	.14	−16	+115	+113	−1
Wyoming	.05	.04	.03	.03	.04	.04	−20	+92	+143	+26
Far West	5.83	6.60	11.34	11.10	[illegible]	7.89	+7	+366	+180	−40
California	3.84	4.57	7.90	7.66	[illegible].74	5.65	+12	+365	+190	−38
Nevada	.01	.01	.06	.04	.02	.02	-------	+918	+382	−53
Oregon	.69	.76	1.29	1.24	1.09	.89	+3	+354	+175	−39
Washington	1.29	1.26	2.09	2.16	1.81	1.33	−8	+374	+148	−48
Addendum: U. S. totals (millions of dollars)	16,299	15,372	40,693	42,621	37,903	36,045	-------	-------	-------	-------

Source: Office of Business Economics.

sylvania, and Maryland). The aggregate share of the Nation's factory pay rolls received in this Belt declined from 74.5 percent in 1929 to 72.8 percent in 1940, and to 70.1 percent in 1946.

Of considerable interest are the data on rates of changes in manufacturing wages and salaries for the periods 1940–44 and 1944–46. These measure geographic differences in the impact of war production and of subsequent reconversion. For example, spectacular increases in factory pay rolls of 366 percent and 323 percent, respectively, are shown for the Far West and Southwest for the 1940–44 period. So great were these war-period expansions that sharp contractions of two-fifths from the 1944 levels left factory pay rolls in these regions in 1946 nearly three times as large as in 1940.

Another point of interest is that in nearly every State where manufacturing growth during the war lagged behind that of the Nation the experience from 1944 to 1946 was relatively favorable. This readjustment of wartime distortions explains much about interstate differences in 1944–46 changes in total income payments.

Shifts in Manufactures

For more detailed analysis, the data in table 5 can be supplemented by those in table 6, which shows percentage distributions by States of manufacturing wages and salaries separately for nineteen types of manufactures.

The substantial relative gains already noted for the Far West, Southeast, and Southwest are apparent also from this table. Each of these regions increased its share of the Nation's total from 1940 to 1946 in fifteen of the nineteen types of manufactures. These relative gains were shared by nearly all States of the regions. On the other hand, New England, the Middle East, and the Central States sustained relative declines from 1940 to 1946 in most manufacturing industries.

Comparisons of the 1940 and 1946 distributions of pay rolls for the several groups of manufactures show a number of significant geographic shifts.

In some cases, the geographic shifts, as measured by relative gains and losses in wage-and-salary payments, represent simply interchanges among established centers of production. In the production of textile-mill products, there was further concentration in the Southeast, mainly in Georgia and South Carolina, with a corresponding relative decline in the Middle East, mainly in Pennsylvania. All of these States are major textile centers. In lumber manufacturing, the pronounced relative shift from the Far West to the Southeast involved the two largest lumber-producing areas. The two leading tobacco-manufacturing States, North Carolina and Pennsylvania, substantially improved their relative positions, while Kentucky, New Jersey, and New York (also important in tobacco manufactures) sustained relative losses. Similarly, New York State, with nearly one-half the Nation's apparel industry, scored an appreciable gain in apparel from 1940 to 1946 that was matched by relative losses in several of the comparatively few other States, such as Illinois, New Jersey, and Massachusetts, in which a significant portion of the industry is located. Also in industries such as iron and steel, electrical machinery, and products of petroleum and coal, such shifts as occurred were restricted for the most part to the established producing areas.

In several types of manufactures, however, there appear to be relative shifts to newer areas. In paper production, the importance of the South increased over the period 1940–46, while that of New England declined. In the manufacture of chemicals and allied products, there were relative decreases in the large producing States of New York, New Jersey, Massachusetts, Illinois, and Ohio. Significant relative gains occurred in Tennessee and Texas. In the manufacture of food, the South and Far West achieved gains, in contrast to relative declines in several important food-producing States in the East. In the manufacture of nonferrous metals and of rubber products also the South and Far West, as "newer" areas, made appreciable progress. The Far West (especially California) substantially increased its share of total pay rolls in furniture production, while Illinois, Michigan, and Ohio, three of the largest furniture-producing States, sustained reduced shares.

In transportation equipment the 1946 State distribution differed from the 1940 distribution primarily in the sharply reduced share of Michigan and the increased shares of the Pacific Coast States. Aside from the fact that automobile production last year was hampered by reconversion difficulties and was far below the projected postwar level, an evaluation of this prewar to postwar shift in the transportation equipment industry should take into account that the industry changed markedly in composition from 1940 to 1946. In the latter year, as compared with 1940, aircraft production and shipbuilding were of much greater importance and automobile production of much lesser importance. This is of significance in the present instance because the Pacific Coast States are leaders in aircraft production and shipbuilding and Michigan is the leading automobile-producing State.

In all other types of manufactures, there were no significant shifts among established centers of production or evidence of the development of new centers.

Government Income Payments

Data for the analysis of the influence of government on the State distribution of income payments are provided in tables 7 and 8. The former shows the State distribution of government income

Table 6.—Percent Distribution, by States and Regions, of Wages and Salaries in Specified Manufacturing Industries, 1940, and 1946

State and region	Food and kindred products		Tobacco manufactures		Textile mill products		Apparel and other finished textile products		Lumber and timber basic products		Furniture and finished lumber products		Paper and allied products		Printing, publishing and allied industries		Chemicals and allied products		Products of petroleum and coal	
	1940	1946	1940	1946	1940	1946	1940	1946	1940	1946	1940	1946	1940	1946	1946	1946	1940	1946	1940	1946
Continental United States	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
New England	5.16	4.34	1.70	1.65	25.30	25.53	7.33	6.17	4.15	4.84	7.86	8.27	17.86	15.44	7.66	6.93	5.68	4.97	1.85	1.58
Connecticut	.63	.56	.53	.47	4.23	3.93	2.17	1.48	.17	.14	.80	.86	1.69	1.65	1.56	1.45	1.80	1.85	.36	.31
Maine	.35	.48	---	---	2.00	2.24	.15	.13	1.93	2.48	1.10	1.31	4.36	3.81	.25	.21	.07	.08	---	---
Massachusetts	3.59	2.67	.64	.71	11.72	11.61	4.63	4.17	.67	.81	4.17	4.19	9.15	7.67	4.92	4.45	3.56	2.72	1.33	1.04
New Hampshire	.11	.15	.53	.41	1.35	1.83	.07	.07	.71	.76	.94	.98	1.90	1.47	.26	.28	.03	.07	---	---
Rhode Island	.38	.32	---	.06	5.64	5.41	.24	.21	.04	.04	.23	.18	.34	.39	.53	.42	.18	.20	.16	.23
Vermont	.10	.16	---	---	.36	.51	.07	.11	.63	.61	.62	.75	.42	.45	.14	.12	.04	.05	---	---
Middle East	27.07	24.38	31.70	29.29	31.11	28.10	63.63	65.34	5.99	7.60	24.22	23.26	30.44	29.52	38.19	39.39	45.25	42.13	31.48	29.42
Delaware	.23	.27	.11	.06	.31	.26	.20	.10	.06	.06	.37	.19	.62	.33	.13	.10	3.77	3.10	---	.09
Dist. of Columbia	.49	.34	---	---	---	---	---	.01	.13	.07	.07	.06	.10	.11	1.30	1.39	.05	.05	---	---
Maryland	2.02	2.05	.21	.06	1.46	1.29	2.47	1.85	.56	.57	1.10	.93	1.09	1.10	1.39	1.28	1.65	1.48	1.98	1.16
New Jersey	4.34	3.43	8.72	5.68	6.62	6.17	7.42	6.49	.50	.41	3.05	3.19	4.23	4.94	2.99	2.63	15.52	12.93	10.06	7.49
New York	12.57	11.61	6.81	4.56	8.83	8.86	43.40	47.19	1.72	2.99	12.75	13.24	15.42	15.06	23.93	26.31	14.20	13.69	8.08	6.87
Pennsylvania	7.01	6.27	14.68	17.87	13.60	11.24	9.98	9.51	1.70	2.06	6.60	5.33	8.29	7.69	8.07	7.34	6.88	7.49	10.81	13.19
West Virginia	.41	.41	1.17	1.06	.29	.28	.16	.19	1.32	1.44	.28	.32	.69	.29	.38	.34	3.18	3.39	.55	.62
Southeast	9.09	11.04	53.30	57.58	35.56	39.25	5.95	6.79	29.79	33.20	17.58	18.88	10.80	13.15	6.06	5.99	13.47	16.33	6.98	9.69
Alabama	.54	.64	---	.36	2.74	3.62	.32	.35	3.21	4.11	.44	.66	.91	1.05	.40	.41	.53	.61	1.01	.80
Arkansas	.33	.43	---	---	.06	.08	.10	.12	3.86	3.74	.80	1.12	.52	.57	.24	.24	.25	.26	.55	.72
Florida	.88	1.41	7.55	8.76	.02	---	.08	.19	2.45	1.79	1.31	1.21	.91	1.08	.72	.77	.55	.60	.03	---
Georgia	1.12	1.34	---	.30	5.66	7.12	1.44	1.63	2.08	3.81	1.42	1.81	.85	1.49	.69	.79	1.27	.95	.10	.20
Kentucky	1.37	1.69	7.77	4.91	.28	.27	.56	.67	1.17	1.39	1.77	1.99	.08	.09	.74	.76	.39	.82	.78	.50
Louisiana	1.30	1.44	.96	.59	.15	.14	.44	.39	3.77	3.28	.85	.87	2.10	2.15	.56	.50	1.25	1.20	4.32	7.03
Mississippi	.33	.39	---	---	.28	.34	.51	.60	3.14	3.77	1.06	.69	.26	.85	.15	.14	.48	.50	---	.03
North Carolina	.86	.92	22.98	27.87	14.44	14.72	.46	.52	3.25	3.93	4.45	5.04	1.61	1.67	.59	.58	.70	.60	---	---
South Carolina	.37	.41	1.38	1.12	7.03	8.25	.14	.48	2.14	2.33	.78	.81	.81	1.33	.23	.20	.36	.33	.06	.07
Tennessee	1.10	1.31	1.60	1.48	2.76	2.40	1.02	1.10	2.37	2.35	1.95	2.41	.75	.86	.97	.94	3.63	6.23	.10	.23
Virginia	.89	1.06	11.06	12.19	2.14	2.31	.88	.74	2.35	2.70	2.75	2.27	2.00	2.01	.77	.66	4.06	4.23	.03	.11
Southwest	4.33	4.56	.11	.36	.62	.70	1.05	1.43	4.41	4.74	1.97	2.26	.97	1.06	2.92	2.89	1.96	3.87	22.12	21.09
Arizona	.19	.25	---	---	---	---	---	.01	.36	.49	.07	.09	---	---	.17	.16	.09	.08	---	---
New Mexico	.08	.10	---	---	---	.01	---	.01	.34	.30	---	.02	---	---	.08	.08	.02	.30	.10	.12
Oklahoma	.90	.92	---	---	.08	.07	.02	.06	.46	.31	.23	.26	.06	.09	.63	.57	.23	.24	4.94	4.03
Texas	3.16	3.29	.11	.36	.54	.62	1.03	1.35	3.25	3.64	1.67	1.89	.91	.97	2.04	2.08	1.62	3.25	17.08	16.94
Central	37.26	36.14	10.96	9.52	6.32	5.42	18.14	15.18	13.19	12.07	39.24	34.40	32.39	33.58	35.12	34.74	28.29	25.85	19.29	18.99
Illinois	11.39	11.00	1.06	1.24	1.33	1.22	6.83	5.69	1.78	1.50	11.31	9.59	6.31	6.52	14.13	14.89	7.61	6.96	6.53	6.69
Indiana	3.26	2.98	1.17	1.18	.84	.57	1.70	1.16	1.07	1.31	5.62	4.73	1.98	1.96	2.03	1.96	2.89	3.02	6.72	5.20
Iowa	3.01	2.97	---	---	.12	.08	.30	.28	1.72	1.09	.62	.72	.28	.28	1.25	1.08	.60	.65	---	---
Michigan	4.08	3.94	1.81	1.24	1.16	.53	.84	.65	3.02	2.74	7.20	5.57	6.21	5.81	3.51	3.17	5.25	5.03	1.04	1.04
Minnesota	3.33	3.36	.11	.06	.38	.45	.72	.64	.96	.99	1.33	1.27	1.59	2.13	2.04	2.21	.94	.83	.49	.50
Missouri	3.56	3.46	3.09	2.19	.27	.27	3.47	2.97	1.03	1.17	2.22	2.43	1.51	1.89	2.82	2.58	2.74	2.38	.68	1.04
Ohio	5.46	4.74	3.40	3.25	1.08	1.36	3.66	2.89	.86	1.05	7.32	6.35	6.91	7.48	7.09	6.83	7.31	6.08	3.38	4.20
Wisconsin	3.17	3.69	.32	.36	1.14	.94	.62	.90	2.75	2.22	3.62	3.74	7.60	7.51	2.25	2.02	.95	.90	.45	.32
Northwest	6.08	6.31	---	---	.06	.03	.27	.42	3.96	3.64	.79	.88	.42	.46	2.66	2.23	.96	1.30	4.51	4.04
Colorado	1.03	.97	---	---	---	---	.09	.12	.13	.30	.21	.23	.06	.11	.53	.46	.16	.15	.13	.12
Idaho	.28	.40	---	---	---	---	---	---	2.45	1.93	---	.01	---	---	.14	.11	---	.01	.06	.05
Kansas	1.78	1.89	---	---	---	---	.09	.14	.10	.11	.23	.21	.26	.26	.63	.57	.51	.72	2.60	2.05
Montana	.33	.28	---	---	---	---	---	---	.82	.82	---	.03	---	---	.22	.15	---	.04	.49	.34
Nebraska	1.41	1.59	---	---	---	---	.05	.09	.10	.09	.21	.24	.08	.07	.56	.45	.15	.27	---	.04
North Dakota	.22	.22	---	---	---	---	---	---	---	---	---	---	---	---	.13	.11	---	---	.03	.01
South Dakota	.43	.40	---	---	---	---	---	---	.15	.15	---	.02	---	---	.14	.12	.03	.03	---	---
Utah	.49	.47	---	---	.06	.03	.04	.07	.06	.10	.09	.11	.02	.02	.24	.20	.11	.08	.32	.34
Wyoming	.11	.09	---	---	---	---	---	---	.15	.14	.05	.03	---	---	.07	.06	---	---	.88	1.09
Far West	11.01	13.23	2.23	1.60	1.03	.97	3.63	4.67	38.51	33.91	8.34	12.05	7.12	6.79	7.39	7.83	4.39	5.55	13.77	15.19
California	8.25	9.62	2.23	1.60	.75	.62	3.15	41.9	7.90	7.05	5.64	8.51	2.00	2.41	5.78	6.09	3.90	4.17	13.67	15.05
Nevada	.05	.05	---	---	---	---	---	---	.02	.05	---	---	---	---	.05	.05	---	.05	---	---
Oregon	1.00	1.31	---	---	.22	.29	.21	.20	13.17	14.44	1.42	1.50	1.35	1.20	.57	.59	.16	.16	---	.07
Washington	1.71	2.25	---	---	.06	.06	.27	.28	17.42	12.37	1.28	2.04	3.77	3.18	.99	1.10	.33	1.17	.10	.07
Addendum: U. S. totals (millions of dollars)	1,667	3,580	94	169	1,182	2,608	916	2,332	477	1,032	436	966	504	1,167	1,022	1,954	811	1,966	308	740

Table 6.—Percent Distribution, by States and Regions, of Wages and Salaries in Specified Manufacturing Industries, 1940, and 1946—Continued

	Rubber products		Leather and leather products		Stone, clay and glass products		Iron and steel and their products		Nonferrous metals and their products		Machinery (except electrical)		Electrical machinery		Transportation equipment including autos		Miscellaneous manufacturing industries	
	1940	1946	1940	1946	1940	1946	1940	1946	1940	1946	1940	1946	1940	1946	1940	1946	1940	1946
Continental United States	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
New England	15.86	16.04	30.40	28.73	5.91	5.13	8.04	7.49	21.44	17.87	14.44	12.75	13.01	14.46	4.71	5.12	14.69	14.25
Connecticut	4.94	3.77	.69	.55	.86	1.18	4.01	3.71	15.18	10.79	5.86	5.38	4.41	4.52	2.52	2.38	4.06	3.24
Maine	.04	.07	3.99	3.65	.27	.16	.07	.10	.02	.01	.38	.33		.06	.38	.40	.08	.07
Massachusetts	8.27	9.85	19.47	19.32	3.31	2.30	3.08	2.86	4.30	4.79	5.68	5.35	7.94	9.08	1.76	1.98	7.52	7.89
New Hampshire		.12	5.98	4.94	.23	.21	.07	.12	.02	.07	.35	.23	.05	.08		.20	.49	.44
Rhode Island	2.61	2.01	.11	.13	.21	.37	.73	.63	1.92	2.20	1.45	.98	.61	.70	.05	.16	2.36	2.31
Vermont		.22	.16	.14	1.03	.91	.08	.07		.01	.72	.48		.02			.18	.30
Middle East	17.63	15.53	33.13	35.62	40.51	39.98	36.82	33.14	34.47	33.46	24.77	23.51	41.90	38.60	22.05	22.07	53.54	51.12
Delaware	.32	.54	.85	.81	.06	.06	.22	.21	.06	.04	.10	.12		.01	.19	.21	.06	.24
District of Columbia				.01	.17	.05	.02	.02		.02	.01	.01	.02	.04	.03		.10	.07
Maryland	1.21	.65	1.09	.81	1.39	1.46	2.77	2.33	1.32	.85	.65	.62	1.09	1.75	2.28	3.46	.92	.97
New Jersey	8.19	6.29	3.67	2.85	6.96	6.39	3.18	3.08	9.02	7.64	4.68	4.46	13.54	11.80	7.55	5.59	8.67	8.73
New York	4.50	3.27	19.26	23.81	9.71	9.87	6.95	7.03	14.93	15.89	9.46	10.57	13.63	14.05	6.76	7.20	36.06	35.16
Pennsylvania	3.41	4.78	7.84	6.91	16.44	15.83	21.71	19.01	7.83	7.96	9.75	7.60	13.49	10.74	5.21	5.46	7.38	5.74
West Virginia			.42	.42	5.78	6.32	1.97	1.46	1.31	1.06	.12	.13	.13	.21	.03	.15	.35	.21
Southeast	3.29	5.64	4.36	5.19	8.42	8.12	4.78	4.65	3.35	5.09	1.63	2.10	.64	.96	3.31	4.64	1.88	1.91
Alabama	.92	1.73	.03	.01	.93	.91	2.35	2.05	.17	.82	.14	.19	.05	.03	.30	.54		.08
Arkansas		.01		.07	.32	.39	.03	.04	.15	.14	.01	.02				.02	.08	.12
Florida		.07		.02	.44	.43	.05	.10	.02	.02	.06	.13	.02	.02	.24	.53	.18	.17
Georgia	.48	.09	.58	.49	1.22	.95	.22	.27	.08	.18	.28	.34	.11	.10	.26	.37	.35	.30
Kentucky		.01	.48	.56	.82	.74	.86	.67	.63	1.24	.38	.49	.35	.40	.20	.23	.35	.30
Louisiana		.03	.03	.01	.99	.93	.13	.16	.13	.06	.17	.18	.02	.02	.23	.54	.08	.05
Mississippi	.24	.52			.29	.26	.01	.02			.03	.10	.02	.07	.13	.49		.04
North Carolina	.08	.20	.32	.39	.68	.71	.10	.16	.27	.19	.19	.24	.02	.10	.06	.38	.10	.11
South Carolina					.40	.50	.01	.02			.05	.06			.01	.07	.04	.01
Tennessee	1.29	2.76	1.51	2.42	1.23	1.43	.73	.81	1.54	1.97	.22	.28	.05	.21	.20	.20	.37	.42
Virginia	.28	.22	1.41	1.22	1.10	.87	.29	.35	.36	.47	.10	.07		.01	1.68	1.27	.33	.31
Southwest	.16	.57	.32	.61	2.03	2.88	.62	1.08	1.98	2.40	1.97	1.77	.22	.21	.53	2.05	.47	.56
Arizona	.04				.06	.14	.02	.06	.44	.32	.01	.01		.04		.01	.02	.01
New Mexico					.02	.05	.01	.01	.04	.38								.01
Oklahoma	.04	.45			.68	.86	.21	.24	.58	.47	.31	.28	.05	.04	.06	.23	.04	.07
Texas	.08	.12	.32	.61	1.27	1.83	.38	.77	.92	1.23	1.65	1.48	.17	.13	.47	1.81	.41	.47
Central	56.87	53.86	30.14	27.34	35.17	34.38	45.34	47.76	32.63	33.10	52.97	55.02	42.04	42.78	59.58	48.80	26.29	27.64
Illinois	2.57	1.68	7.79	7.57	7.53	7.26	10.59	11.07	10.65	9.89	14.14	13.83	13.87	15.99	2.35	3.67	11.37	11.32
Indiana	4.90	4.76	.64	.66	4.54	4.26	6.71	5.61	2.74	3.30	3.91	4.31	6.31	7.40	5.35	5.61	1.70	1.22
Iowa	.36	.47	.19	.24	1.06	.91	.46	.71	.12	.18	1.40	1.43	.20	.48	.13	.31	1.09	1.18
Michigan	8.07	7.36	1.73	1.47	2.41	2.52	6.51	10.80	6.32	5.59	9.62	10.27	3.15	3.08	42.34	27.59	2.83	4.41
Minnesota	.04	.34	.37	.43	1.61	1.92	.72	1.24	.40	.72	1.03	1.36	.66	.98	.20	.31	.66	.88
Missouri	.32	.53	8.54	7.92	2.81	2.95	1.39	1.43	1.23	2.21	1.29	1.55	2.12	2.48	1.36	1.39	1.50	1.34
Ohio	38.56	36.32	4.92	3.82	14.62	13.77	16.91	14.42	8.62	8.24	14.46	16.03	13.42	9.81	5.36	7.27	5.66	5.65
Wisconsin	2.05	2.40	5.96	5.23	.59	.79	2.05	2.48	2.55	2.97	7.12	6.24	2.31	2.56	2.49	2.65	1.48	1.64
Northwest	1.37	2.48	.29	.38	1.56	1.77	.90	1.10	2.69	1.89	.46	.71	.10	.52	.34	1.11	.67	.86
Colorado	1.33	1.98	.21	.27	.42	.46	.54	.52	.29	.29	.12	.24	.02	.03	.02	.11	.25	.45
Idaho		.01			.04	.04	.01	.02	.02	.09	.01	.04					.02	.04
Kansas		.32	.03	.05	.48	.56	.16	.22	.06	.04	.19	.23	.05	.28	.29	.89	.08	.11
Montana					.10	.09	.01	.02	1.25	.74	.01	.01					.02	.03
Nebraska	.04	.17	.05	.05	.21	.23	.07	.12	.15	.22	.12	.12	.03	.21		.10	.18	.13
North Dakota					.02	.03	.01		.02	.01		.01			.01	.01	.02	.01
South Dakota					.04	.06		.01		.04		.02					.02	.01
Utah				.01	.19	.22	.10	.19	.90	.44	.01	.04			.02		.08	.07
Wyoming					.06	.08				.02								.01
Far West	4.82	5.88	1.36	2.13	6.40	7.74	3.50	4.78	3.44	6.19	3.76	4.14	2.09	2.47	9.48	16.21	2.46	3.66
California	4.74	5.79	1.17	1.89	5.51	6.52	3.01	4.11	2.55	4.75	3.15	3.45	1.98	2.31	8.09	12.66	2.03	3.21
Nevada					.04	.08				.21								.01
Oregon	.04	.05	.11	.12	.19	.30	.21	.27	.06	.22	.21	.34	.06	.07	.10	.82	.25	.22
Washington	.04	.04	.08	.12	.66	.84	.28	.40	.83	1.01	.40	.35	.05	.09	1.29	2.73	.18	.22
Addendum: U. S. totals (millions of dollars)	249	758	376	838	526	1,151	2,113	4,511	521	1,335	1,454	3,928	635	1,947	1,593	3,715	488	1,348

Source: Office of Business Economics.

payments for 1929, 1940, and 1946. Correlative data included in the table are percentage distributions of private income payments and percentages of total income payments formed by government income payments. Table 8 furnishes separate data on income payments from the Federal Government, State and local governments, and social insurance funds. To assist in an evaluation of the relative importance of the three categories in contributing to changes in the shares of total government income payments received by the States, the percentages of total government income payments accounted for by each of these three in 1946 also are shown in the table. These data, moreover, are of considerable interest in themselves. For this type of analysis, changes in national totals—shown as an addendum in the table—also must be taken into account.

Government income payments comprise payments to individuals in such forms as civilian wages and salaries, military payments, interest, veterans' pensions and benefits, payments to farmers, relief, and social insurance benefits. It should be emphasized that the data measure only income payments flowing directly to individuals. They do not take account of income arising from government purchases from business, or the indirect, secondary effects of government spending on the general income stream.

For each of the years 1929, 1940, and 1946 the share of the national total of government income payments received by the States, relative to the share of private income payments received, tended to vary inversely with per capita income levels. In the low-income States of the South and Northwest the share of total government income payments received exceeded the share of private income payments. Conversely, in the States with high per capita incomes the share of government income payments received was generally smaller than the share of private income payments. A notable exception is the Far West, where higher-than-average incomes were associated with a relatively large share of government income payments.

Larger Role of Government in 1946

The share of all government income payments received by New England and the Middle East declined from 1929 to 1940, and from 1940 to 1946. Over this period increasing shares accrued to the Southeast, Southwest, and Far West. In each of these five regions, changes in the share of government income received were in the same direction—and indeed contributed to—changes in the share of total income payments. An interesting exception to pattern, however, is the Northwest. Whereas the region's share of total income payments rose sharply from 1940 to 1946 by virtue of a large expansion of farm income, its share of government income declined, mainly because of reduced Government payments to farmers.

For the country as a whole government income payments increased substantially from 1929 to 1940—from 6.1 billions to 10.1 billions. From 1940 to 1946, however, the volume of government income payments was tripled, whereas total private income payments were slightly more than doubled. Reflecting a generally higher rate of increase in government income payments than in private income payments, in all regions except the Northwest income payments by government formed a larger percentage of total income payments in 1946 than in 1940. As already noted, government provided a larger impetus to total income expansion in the South than in any other area of the country.

Table 7.—Percent Distribution of Private Income Payments and Total Government Income Payments, and Total Government Income Payments as Percent of Total Income Payments, by States and Regions, 1929, 1940, and 1946

State and region	Percent distribution: Private income payments [1]			Percent distribution: Total government income payments [2]			Total government income payments as a percent of total income payments		
	1929	1940	1946	1929	1940	1946	1929	1940	1946
Continental United States	100.00	100.00	100.00	100.00	100.00	100.00	7.3	13.4	17.4
New England	8.23	8.21	7.20	8.16	7.20	6.53	7.3	11.9	16.1
Connecticut	1.79	1.98	1.84	1.41	1.18	1.04	5.9	8.4	10.7
Maine	.54	.56	.53	.60	.62	.62	8.1	14.6	19.8
Massachusetts	4.58	4.39	3.67	4.75	4.17	3.78	7.6	12.8	17.8
New Hampshire	.36	.35	.33	.44	.38	.29	8.8	14.4	15.7
Rhode Island	.70	.68	.60	.67	.63	.59	7.0	12.5	17.2
Vermont	.26	.25	.23	.29	.22	.21	8.2	12.2	16.1
Middle East	33.89	32.33	28.58	31.22	30.28	27.28	6.8	12.6	16.8
Delaware	.27	.33	.27	.21	.19	.18	5.7	8.0	12.4
District of Columbia	.58	.80	.63	3.16	3.75	2.90	30.0	42.0	49.3
Maryland	1.34	1.63	1.54	1.38	1.46	1.88	7.6	12.1	20.5
New Jersey	3.96	4.28	3.68	3.92	3.22	3.42	7.3	10.4	16.4
New York	17.73	15.84	14.00	14.72	14.04	11.22	6.2	12.0	14.4
Pennsylvania	9.04	8.41	7.47	6.94	6.88	6.75	5.7	11.2	16.0
West Virginia	.97	1.04	.99	.89	.74	.93	6.8	9.9	16.6
Southeast	10.37	11.64	13.07	12.20	13.74	17.39	8.5	15.4	22.0
Alabama	.97	.98	1.15	1.04	1.16	1.59	7.8	15.4	22.7
Arkansas	.67	.62	.75	.77	.83	.96	8.3	17.1	21.4
Florida	.82	1.19	1.30	1.16	1.20	1.86	10.1	13.5	23.2
Georgia	1.15	1.27	1.45	1.24	1.47	1.83	7.8	15.1	21.0
Kentucky	1.16	1.15	1.24	1.21	1.22	1.47	7.6	14.1	20.1
Louisiana	1.03	1.08	1.11	1.16	1.36	1.48	8.2	16.2	22.0
Mississippi	.65	.53	.63	.77	.94	1.03	8.6	21.4	25.8
North Carolina	.116	1.51	1.77	1.32	1.36	1.87	8.3	12.2	18.2
South Carolina	.51	.68	.79	.74	.96	1.01	10.3	17.8	21.3
Tennessee	1.09	1.21	1.45	1.19	1.33	1.73	8.0	14.6	20.2
Virginia	1.16	1.42	1.43	1.60	1.91	2.56	9.9	17.1	27.5
Southwest	5.00	5.02	5.43	5.32	6.04	7.17	7.8	15.7	21.8
Arizona	.28	.29	.36	.49	.47	.44	12.0	20.2	20.6
New Mexico	.18	.24	.25	.33	.35	.46	12.5	18.6	27.6
Oklahoma	1.30	1.04	1.00	1.34	1.45	1.51	7.5	17.7	24.2
Texas	3.24	3.45	3.82	3.16	3.77	4.76	7.2	14.4	20.8
Central	29.52	29.10	29.21	26.92	25.07	23.68	6.7	11.7	14.6
Illinois	8.67	7.77	7.40	6.58	6.24	5.65	5.7	11.0	13.9
Indiana	2.27	2.50	2.69	2.35	2.15	2.13	7.6	11.8	14.3
Iowa	1.62	1.59	1.86	1.73	1.83	1.40	7.8	15.0	13.7
Michigan	4.26	4.65	4.48	4.66	3.62	3.76	8.0	10.7	15.0
Minnesota	1.73	1.81	1.82	2.01	2.30	1.80	8.4	16.4	17.2
Missouri	2.70	2.57	2.59	2.39	2.25	2.48	6.6	11.9	16.8
Ohio	6.03	6.06	6.04	5.03	4.60	4.62	6.2	10.5	13.9
Wisconsin	2.24	2.15	2.33	2.17	2.08	1.84	7.1	13.0	14.3
Northwest	4.63	4.10	4.90	6.27	6.61	5.40	9.7	19.9	18.9
Colorado	.75	.72	.76	1.03	1.12	1.05	9.9	19.2	22.5
Idaho	.27	.29	.35	.38	.41	.35	10.1	18.1	17.8
Kansas	1.17	.93	1.17	1.57	1.44	1.23	9.5	19.2	18.2
Montana	.38	.39	.40	.62	.61	.39	11.5	19.2	17.2
Nebraska	.91	.68	.89	.97	1.23	.84	7.7	21.9	16.7
North Dakota	.31	.28	.37	.48	.55	.37	11.0	23.7	17.3
South Dakota	.34	.28	.40	.51	.54	.37	10.7	22.7	16.4
Utah	.32	.34	.36	.42	.43	.62	9.4	16.5	26.4
Wyoming	.18	.19	.20	.29	.28	.18	11.4	18.9	16.0
Far West	8.36	9.60	11.61	9.91	11.06	12.55	8.6	15.1	18.6
California	6.26	7.26	8.70	7.07	8.21	9.16	8.2	14.8	18.2
Nevada	.09	.12	.14	.15	.15	.13	11.9	16.1	16.9
Oregon	.71	.83	1.04	.95	.87	.91	9.6	13.9	15.5
Washington	1.30	1.39	1.73	1.74	1.83	2.35	9.6	16.8	22.2

[1] Represents total income payments to individuals minus governmnt income payments to individuals.

[2] Consist of all income payments to individuals by the Federal Government, State and local governments, and social insurance programs. For specific composition see footnotes to table 8. Differ in definition from total government income payments shown in table 4 by the inclusion of Government payments to farmers. For the special purpose of this table Government payments to farmers are included in government income payments rather than in private income payments as part of agricultural income.

Source: Office of Business Economics.

Per Capita Income

State estimates of per capita income payments to individuals are shown in table 13 for the years 1929–40, 1945, and 1946. These are computed by dividing total income payments by total population.[2] Per capita income is thus a "per person," and not a "per family" or "per worker" average.

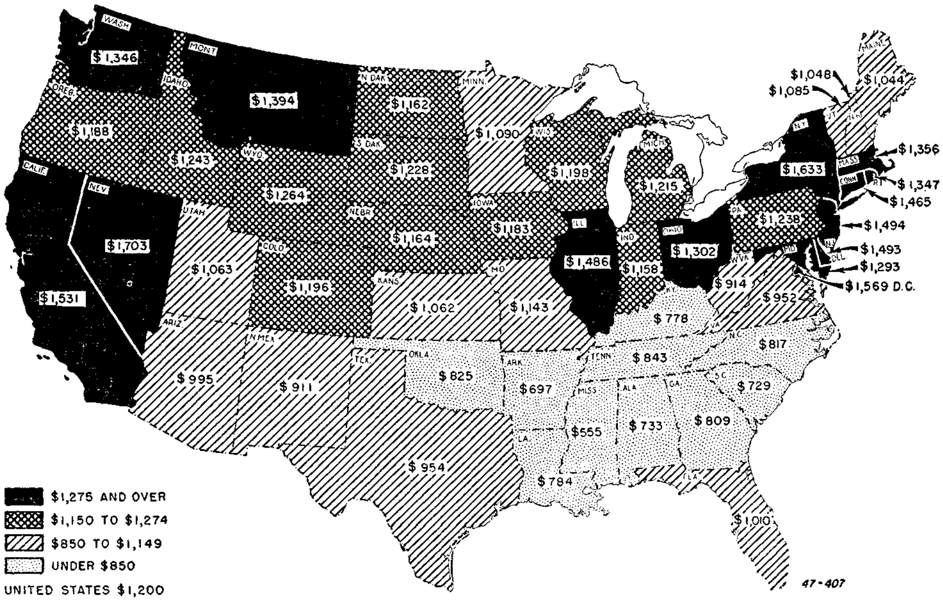
Since revised population data for 1941–44 are not yet available from the Bureau of the Census, per capita estimates for those years are omitted from the table. They will be published in a special table in the September issue of the SURVEY. The cooperation of the Census Bureau in furnishing advance tabulations of the State population data for 1945 and 1946 makes possible the presentation of per capita income for those years in the present report.

Per capita income, unlike total income payments, makes adjustment for geographic differences in size of population and population change. This adjustment assumes special significance for the period 1940–46 because of the extensive shifts in residence that occurred in the prosecution of the war effort and then in the reabsorption of servicemen into civilian pursuits and the relocation of migrant war workers. As these shifts, for the most part, had been completed by the middle of 1946, the per capita income estimates for that year are of primary interest.

The per capita income of the continental United States in 1946 was $1,200. This was 2 percent higher than the 1945

[2] See note 3 of the appended section on "Technical Notes."

Map 2.—Per Capita Income Payments to Individuals, 1946



Source of data: Office of Business Economics.

figure of $1,177. In this connection, it should be noted that the increase (7 percent) in the population of the Continental United States last year—due chiefly to the return of servicemen from overseas—was almost as large as the increase (9 percent) in total income payments.

This 7 percent Nation-wide increase in population by no means held uniformly throughout the States. Relative to Nation-wide developments, therefore, for some States the 1945–46 change in per capita income differed appreciably from that in total income.

State estimates of per capita income for 1946 are shown in map 2. For most States, per capita income last year was at a peak level. In every section of the country average incomes of individuals approached or bettered war-time highs.

For the country as a whole, per capita income payments to individuals in 1946 were 109 percent above the average of $575 for 1940. In 37 of the 49 States, the average income of individuals in 1946 was at least double the 1940 level. In a number of agricultural States of the South and Northwest, it was two-and-a-half to three times as large as the 1940 average.

Per capita incomes in 1946 ranged from $555 in Mississippi to $1,703 in Nevada. Others in the top rank included New York ($1,633), the District of Columbia ($1,569), California ($1,531), New Jersey ($1,494), Delaware ($1,493), Illinois ($1,486), and Connecticut $1,465).

Among the several regions, highest per capita incomes were received in the Far West ($1,465), Middle East ($1,432), and New England ($1,320). The Southeast's per capita income of $801 was one-third below the national average and two-fifths below the composite average for the other six regions. The per capita income of the Southwest was one-fourth below the Nation-wide average. This concentration of low-income States in the South is the most striking fact revealed by the map. An array of the States in respect to size of per capita income places all 15 Southern States among the 16 States in the Nation with the lowest averages.

Reduction of Inequality

Although the 1946 per capita income data reveal broad geographic differences in the levels of average income, these were relatively somewhat less than those prevailing before the war. Wartime developments had the effect of reducing the relative, if not the absolute, differences among the States in respect to size of per capita income.[3]

Table 9 shows that from 1940 to 1946 per capita income declined in relation to the national average in the three highest of the four "high-income" regions (those with per capita incomes above the Nation's) and rose in relation to the national average in the three "low-income" regions. This partial reduction of geographic inequality—which is an acceleration of prewar developments—is evident also on a State basis. Of the 32 States with per capita incomes below the national average in 1940, 29 scored 1940–46 percentage advances exceeding that for the country as a whole. Conversely, of the 17 States having above-average per capita incomes in 1940, 16 registered gains from 1940 to 1946 that fell short of the Nation-wide average.

Nearly all the low-income States, it is to be noted, place unusual, if not primary, dependence upon agriculture as a source of income. For most of them, maintenance of the relative income gains achieved since 1940 will depend on a continued high demand for farm products. In view of the sensitivity of farm prices and income to general business activity, this in turn will depend in large measure upon continued prosperity and full employment.

In table 10 are shown, for the United States and the several regions, total income payments, population, and per capita income payments in 1946 as a percentage of 1940. In order to facilitate comparison of the ratios of total income, population, and per capita income for each region with those for the country as a whole, the regional percentages are also expressed in terms of the percentage for the United States taken as 100.

Most striking is the very large increase in population (37 percent) that accompanied the upsurge of total income payments in the Far West between 1940 and 1946. Although the Far West experienced the largest growth in total income of any region, its rise in per capita was of less-than-average proportion—considerably below the gains scored by the Northwest, Southeast and Southwest.

Disposable Income by Regions

The Commerce Department's national estimates of "disposable income" (the income remaining to persons after deduction of personal tax and certain other payments to governments) have been used widely in market analysis. Because of several statistical incomparabilities between the State data on income payments and the available State data on taxes, it has not been possible to develop reliable measures of disposable income by States.

Study has shown, however, that the incomparabilities are minimized on a larger-than-State basis and that for the regions a satisfactory and reasonably comparable series on income-tax payments by individuals can be derived. In table 11 are presented, for the first time, regional estimates of income payments to individuals after deduction of income-tax payments to Federal and State governments. These data on disposable in-

[3] The average deviation of the per capita incomes of the individual States from the United States average (each State being weighted by its population) increased from $170 in 1940 to $234 in 1946. Relative to the United States per capita income, however, the average deviation declined from 30 percent in 1940 to 20 percent in 1946.

come[4] are shown on both a total and per capita basis.

As might be expected, the regional distribution of disposable income, as compared with that of income payments (see table 1), assigns larger shares to the regions where per capita income is relatively low and smaller shares to the regions where per capita income is relatively high. In the years 1929 and 1940 income taxes absorbed less than 2 percent of aggregate individual incomes, and the regional distributions of disposable income and income payments were very similar. Larger differences between the two distributions are found in 1944 and 1946, when rates of income taxation (particularly Federal) had increased sharply and, in general, individuals had moved into higher income brackets. In these years approximately one-seventh of all income payments were drawn off by Federal and State income taxes.

The differences between the two distributions for 1944 and 1946, however, should not be exaggerated. For each of five regions in 1946, the share of the Nation's disposable income received differed by 1.5 percent or less from the share of total income payments received. In the two other regions, the Northwest and Southeast, the differences in the shares received were only 2.0 percent and 2.5 percent, respectively.

Interest attaches also to a comparison of changes over time in the regional distributions of disposable income and income payments. As already indicated, from 1929 to 1940 the changes in the two distributions were much the same. From 1940 to 1946 income expansion was relatively larger in disposable income than in income payments for the low-income regions, and it was relatively smaller in disposable income than in income payments for the high income regions. With the exception of the Far West, then, the 1940–46 regional income shifts already noted for income payments are accentuated or sharpened on a disposable income basis. For the Far West the change in the income share from 1940 to 1946 is less in disposable income than in income payments.

As might be deduced, however, from the fact that the regional distributions of disposable income and income payments were very similar in 1940 and did not differ markedly in 1946, the 1940–46 shifts in income indicated by the two measures are not substantially different.

Technical Notes

1. Revised national income and national product series covering the period 1929–46 were published by the Department of Commerce in the special National Income Supplement to the July 1947 SURVEY OF CURRENT BUSINESS (available for 25 cents from the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C., or from any of the Department of Commerce field offices). The new series include a num-

[4] It should be noted that, although for convenience the term "disposable income" is used, these estimates represent income payments minus individual income taxes (less Federal income tax refunds), with no deduction being made, as in the Department's national series, for the relatively small amount of other personal taxes and of "nontax payments." The latter comprises items such as public tuition fees, public hospital fees, and fines and penalties.

Table 8.—Percent Distributions of Income Payments From Federal Government, State and Local Governments, and Social Insurance Funds, by States and Regions, 1929, 1940, and 1946

State and region	Percent distribution of income payments from—									Individual components as a percent of total government payments, 1946		
	Federal Government [1]			State and local governments [2]			Social insurance funds [3]					
	1929	1940	1946	1929	1940	1946	1929	1940	1946	Federal	State and local	Social insurance funds
Continental United States	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	67.7	24.1	8.2
New England	7.55	5.72	5.73	8.44	7.98	8.31	8.87	8.85	7.84	59.5	30.7	9.8
Connecticut	1.13	.71	.85	1.54	1.53	1.41	1.59	1.15	1.59	54.9	32.7	12.4
Maine	.74	.70	.63	.55	.57	.58	.31	.59	.62	69.3	22.6	8.1
Massachusetts	3.86	3.16	3.20	5.12	4.65	5.24	6.18	5.53	4.34	57.2	33.5	9.3
New Hampshire	.64	.38	.27	.36	.39	.33	.04	.36	.27	64.8	27.6	7.6
Rhode Island	.78	.53	.58	.61	.62	.52	.71	1.06	.85	66.7	21.5	11.8
Vermont	.40	.24	.20	.26	.22	.23	.04	.16	.17	66.7	26.6	6.7
Middle East	30.66	25.71	26.36	30.38	32.17	26.29	50.15	38.00	37.71	65.4	23.3	11.3
Delaware	.21	.15	.17	.21	.22	.20	.09	.19	.19	65.0	26.4	8.6
District of Columbia	8.35	8.57	3.83	.60	.62	.62	1.63	1.32	1.93	89.4	5.2	5.4
Maryland	1.80	1.85	2.09	1.15	1.15	1.24	1.50	1.56	2.04	75.3	15.9	8.8
New Jersey	2.38	1.82	3.15	4.59	4.11	3.41	5.92	4.03	5.69	62.3	24.1	13.6
New York	10.53	7.78	9.63	15.83	17.33	13.29	32.32	21.02	18.10	58.1	28.7	13.2
Pennsylvania	6.54	4.97	6.57	7.06	7.86	6.56	8.34	9.16	8.83	65.9	23.4	10.7
West Virginia	.85	.57	.92	.94	.88	.97	.35	.72	.93	66.7	25.2	8.1
Southeast	15.30	19.29	20.18	11.10	10.56	12.58	3.98	8.80	8.69	78.5	17.4	4.1
Alabama	1.22	1.70	1.83	.98	.83	1.13	.35	.79	1.05	77.5	17.1	5.4
Arkansas	1.12	1.37	1.15	.63	.49	.60	.18	.50	.44	81.3	15.0	3.7
Florida	1.18	1.39	2.09	1.20	1.08	1.50	.35	1.08	1.01	76.0	19.5	4.5
Georgia	1.76	2.19	2.14	1.02	1.07	1.31	.44	.80	.80	79.2	17.2	3.6
Kentucky	1.60	1.64	1.71	1.06	.99	1.02	.26	.84	.84	78.7	16.7	4.6
Louisiana	1.13	1.57	1.61	1.21	1.28	1.29	.49	.93	.90	73.9	21.1	5.0
Mississippi	1.05	1.58	1.26	.67	.58	.66	.13	.36	.28	82.3	15.5	2.2
North Carolina	1.33	1.48	2.17	1.38	1.41	1.45	.18	.68	.64	78.5	18.7	2.8
South Carolina	1.03	1.58	1.15	.63	.60	.86	.18	.40	.32	77.0	20.4	2.6
Tennessee	1.46	1.86	1.95	1.07	.96	1.30	.93	1.19	1.22	76.1	18.2	5.7
Virginia	2.42	2.93	3.12	1.25	1.27	1.46	.49	1.23	1.19	82.4	13.8	3.8
Southwest	6.32	8.29	8.03	5.07	5.03	6.25	1.06	2.65	2.74	75.8	21.1	3.1
Arizona	.69	.59	.47	.40	.44	.41	.09	.22	.22	73.6	22.4	4.0
New Mexico	.54	.49	.47	.24	.28	.55	.04	.17	.09	69.5	28.9	1.6
Oklahoma	1.48	1.89	1.64	1.34	1.29	1.40	.22	.57	.76	73.6	22.3	4.1
Texas	3.61	5.32	5.45	3.09	3.02	3.89	.71	1.69	1.67	77.3	19.8	2.9
Central	23.60	21.23	21.92	28.67	27.69	27.81	25.88	26.40	26.05	62.6	28.4	9.0
Illinois	5.61	4.81	5.28	6.92	6.90	6.11	9.23	8.38	7.43	63.2	26.1	10.7
Indiana	2.44	1.97	2.01	2.35	2.30	2.38	1.59	2.10	2.33	64.1	27.0	8.9
Iowa	1.75	2.23	1.37	1.79	1.68	1.66	.44	1.02	.89	66.2	28.6	5.2
Michigan	2.73	2.19	2.92	5.73	4.59	5.66	3.18	4.11	5.16	52.5	36.3	11.2
Minnesota	1.72	2.40	1.74	2.16	2.28	2.07	1.99	2.06	1.44	65.6	27.8	6.6
Missouri	2.85	2.45	2.61	2.25	2.22	2.25	.71	1.61	2.10	71.2	21.9	6.9
Ohio	4.62	3.56	4.29	5.15	5.17	5.32	6.62	5.59	5.29	62.9	27.8	9.3
Wisconsin	1.88	1.62	1.70	2.32	2.55	2.36	2.12	1.53	1.41	62.6	31.1	6.3
Northwest	7.13	9.02	5.60	6.09	5.44	5.74	1.89	3.44	2.77	70.1	25.7	4.2
Colorado	1.19	1.27	1.11	.98	1.06	1.09	.49	.80	.46	71.5	24.9	3.6
Idaho	.42	.51	.36	.39	.38	.42	.04	.25	.11	68.7	28.8	2.5
Kansas	1.78	1.89	1.23	1.54	1.25	1.31	.23	.65	.97	67.9	25.7	6.4
Montana	.82	.87	.39	.54	.45	.46	.26	.46	.20	67.3	28.5	4.2
Nebraska	1.11	1.91	.86	.93	.85	.92	.44	.55	.45	69.1	26.5	4.4
North Dakota	.44	.91	.37	.52	.36	.45	.13	.15	.08	68.1	30.0	1.9
South Dakota	.55	.83	.40	.51	.41	.39	.04	.11	.12	72.6	24.9	2.5
Utah	.42	.44	.70	.43	.45	.48	.26	.31	.31	76.9	18.9	4.2
Wyoming	.40	.39	.18	.25	.23	.22	------	.16	.07	67.5	29.5	3.0
Far West	9.44	10.74	12.18	10.25	11.13	13.02	8.17	11.86	14.20	65.7	25.1	9.2
California	6.30	7.39	8.96	7.49	8.58	9.36	6.58	9.45	10.17	66.3	24.7	9.0
Nevada	.18	.18	.14	.14	.13	.16	------	.11	.05	68.0	28.7	3.3
Oregon	1.01	.97	.81	.96	.84	1.10	.31	.64	1.14	60.5	29.3	10.2
Washington	1.95	2.20	2.27	1.66	1.58	2.40	1.28	1.66	2.84	65.5	24.7	9.8
Addendum: U. S. totals (millions of dollars)	1,968	3,898	19,989	3,868	5,194	7,132	226	1,043	2,404	------	------	------

[1] Comprises pay of civilian employees, net pay of armed forces, family-allowance payments to dependents of enlisted military personnel, voluntary allotments of military pay to individuals, mustering-out payments to discharged servicemen, enlisted men's cash terminal leave payments, interest payments to individuals, public assistance and other direct relief (including grants to States for special types of public assistance), work relief, veterans' pensions and benefits, and Government payments to farmers.

[2] Comprises wages and salaries, interest payments to individuals, public assistance and other direct relief (excluding Federal grants for special types of public assistance), work relief, and State government bonuses to World War II veterans.

[3] Consists of old age and survivors insurance benefits, State unemployment insurance benefits, railroad retirement insurance benefits, railroad unemployment insurance benefits, Federal civilian pensions, and State and local government pensions.

Source: Office of Business Economics.

Table 9.—Differentials and Relative Changes in Per Capita Income Payments, by States and Regions [1]

State and region	Percent of national per capita income				Percent change		
	1929	1940	1945	1946	1929 to 1940	1940 to 1946	1945 to 1946
Continental United States	100	100	100	100	−15	+109	+2
New England	123	126	111	110	−13	+82	+1
Connecticut	135	144	125	122	−10	+77	(2)
Maine	83	89	89	87	−10	+105	(2)
Massachusetts	132	133	114	113	−15	+77	+1
New Hampshire	96	95	83	87	−16	+92	+7
Rhode Island	125	124	113	112	−16	+88	+1
Vermont	88	91	86	90	−13	+108	+8
Middle East	136	131	119	119	−19	+90	+2
Delaware	135	156	121	124	−2	+67	+4
District of Columbia	175	188	117	131	−9	+45	+14
Maryland	103	124	111	108	+1	+81	−1
New Jersey	139	140	129	125	−15	+86	−1
New York	165	150	135	136	−23	+89	+3
Pennsylvania	113	109	104	103	−18	+97	+1
West Virginia	68	69	74	76	−14	+130	+5
Southeast	51	56	88	67	−6	+149	(2)
Alabama	45	47	63	61	−12	+174	−2
Arkansas	45	44	56	58	−12	+177	+6
Florida	71	82	89	84	−3	+114	−4
Georgia	48	55	69	67	−4	+157	(2)
Kentucky	55	54	64	65	−17	+153	+4
Louisiana	61	62	71	65	−14	+120	−6
Mississippi	40	35	48	46	−26	+175	−3
North Carolina	45	55	64	68	+2	+159	+9
South Carolina	37	50	58	61	+13	+155	+6
Tennessee	51	55	74	70	−9	+166	−3
Virginia	62	78	83	79	+7	+112	−2
Southwest	68	69	80	77	−14	+132	−2
Arizona	84	82	87	83	−17	+110	−3
New Mexico	56	62	72	76	−8	+156	+7
Oklahoma	67	62	72	69	−22	+132	−3
Texas	68	72	83	80	−11	+131	−2
Central	106	105	104	105	−16	+109	+3
Illinois	137	126	121	124	−22	+105	+4
Indiana	86	94	99	97	−7	+114	−1
Iowa	80	84	85	99	−11	+144	+19
Michigan	110	113	103	101	−13	+87	(2)
Minnesota	83	89	85	91	−10	+114	+10
Missouri	90	88	90	95	−17	+126	+8
Ohio	110	112	113	109	−14	+102	−2
Wisconsin	93	90	98	100	−19	+132	+3
Northwest	79	79	95	97	−15	+156	+4
Colorado	91	91	101	100	−15	+128	+1
Idaho	76	77	94	101	−15	+182	+12
Kansas	78	73	91	89	−21	+152	−1
Montana	89	100	104	116	−5	+143	+14
Nebraska	82	75	92	97	−22	+169	+7
North Dakota	57	64	93	97	−5	+216	+6
South Dakota	61	65	94	102	−10	+227	+10
Utah	79	83	91	89	−11	+121	−1
Wyoming	101	105	98	105	−12	+109	+10
Far West	127	130	124	122	−13	+95	(2)
California	139	140	128	128	−15	+90	+2
Nevada	120	145	128	142	+2	+104	+13
Oregon	94	101	105	99	−10	+105	−3
Washington	105	110	119	112	−11	+113	−4

[1] Computed from data shown in table 13.
[2] Less than five-tenths of 1 percent.

Source: Office of Business Economics.

Table 10.—Regional Comparisons of Total Income Payments, Population, and Per Capita Income in 1946 With Those in 1940

Region	1946 as percent of 1940			1946 as percent of 1940, expressed on base of U. S. percentage as 100		
	Income payments [1]	Population	Per capita income	Income payments	Population	Per capita income
Continental United States	223	107	209	100	100	100
New England	196	108	182	88	101	87
Middle East	197	104	190	88	97	91
Southeast	258	104	249	116	97	119
Southwest	249	107	232	112	100	111
Central	221	106	209	99	99	100
Northwest	251	98	256	113	92	122
Far West	269	137	195	121	128	93

[1] To obtain comparability with the population data, the residence adjustments used in the computation of per capita income (see note 3 of "Technical Notes") were applied to total income payments.

Source: Income payments, Office of Business Economics; population, computed from data supplied by Bureau of the Census and War and Navy Departments.

ber of changes in definition. Also, they embody a complete statistical revision of former series that was designed to utilize improved estimating procedures and to base the estimates on the latest source data. Of particular note is that the name of the series on "income payments to individuals" has been changed to "personal income."

It has not as yet been possible to incorporate the revisions into the State income series. The estimates contained in this report conform to the "income payments to individuals" concept. The considerable job of preparing State distributions of personal income and its components for the years 1929–47 cannot be completed before the late summer of 1948.

The State income estimates presented in this report include revisions of estimates previously published for the years 1942–45. These revisions represent partly the incorporation of better and more complete statistical information by States than was available previously, but they stem also from the comprehensive revision of the national series noted above. Beginning with 1942, the State estimates of each of the components of nonagricultural proprietors' income and of property income were adjusted statistically in conformity with the new national totals. Moreover, one conceptual change—generally of some magnitude for the important farm States—was introduced into the 1942–46 estimates. This was the inclusion of the change in all farm inventories in the computation of the net income of farm proprietors. Formerly the change in farm inventories of crops not held for sales was excluded, the definition of the change in farm inventories being restricted to total livestock and to crops held for sale. The estimates of farm inventory change on the revised basis were made available by the Bureau of Agricultural Economics. The value of change in inventories, it may be noted, is included in farm proprietors' net income in order to secure a measure of income from current production.

2. "Income payments to individuals" is a measure of the income received by residents of each State from business establishments and governmental agencies. It comprises income received by individuals in the form of (1) wages and salaries, after deduction of employees' contributions to social security, railroad retirement, railroad unemployment insurance, and government retirement programs; (2) proprietors' incomes, representing the net income of unincorporated establishments, including farms, before owners' withdrawals; (3) property income, consisting of dividends, interest, and net rents and royalties; and (4) "other" income, which includes public assistance and other direct relief; labor income items such as work relief, government retirement payments, veterans' pensions and benefits, workmen's compensation, and social insurance benefits; mustering-out payments to discharged servicemen; family-allowance payments and voluntary allotments of pay to dependents of military personnel; enlisted men's cash terminal leave payments; and State government bonuses to veterans of World War II. Income payments are distributed among the States on a where-received basis (with the exception of wages and salaries, as noted below). Only payments made to residents are included in the estimates for the continental United States and the individual States.

3. Per capita income payments are derived by division of total income payments by total population excluding Federal civilian and military personnel stationed outside the continental United States. In five instances, however, income was transferred from the place of recipients' employment to place of

residence before computation of per capita income. These are New York and New Jersey and the District of Columbia, Maryland, and Virginia. In this connection, it should be noted that the wage-and-salary component of total income payments is allocated by States on the basis of State of employment, rather than of residence. For all States, except the five listed above, it is assumed that State of employment is identical with State of residence.

For the years 1929–43 population data used in the derivation of per capita income are the midyear estimates of the Bureau of the Census of the Department of Commerce. For the years 1944–46 population totals used are the sum of the civilian population from the Bureau of the Census and military personnel, as compiled from monthly or quarterly data, from the War and Navy Departments.

4. The regional classifications used in the presentation of income payments by States

Table 11.—Total and Per Capita Disposable Income, by Regions, Selected Years, 1929–46

Region	Total disposable income [1]								Per capita disposable income (dollars)		
	Amount (millions)				Percent distribution						
	1929	1940	1944	1946	1929	1940	1944	1946	1929	1940	1946
Continental United States	81,289	74,627	134,195	152,713	100.0	100.0	100.0	100.0	669	566	1,082
New England	6,663	6,014	9,392	10,695	8.2	8.1	7.0	7.0	822	712	1,177
Middle East	27,072	23,666	36,524	42,516	33.4	31.6	27.2	27.7	902	734	1,272
Southeast	8,657	9,025	20,007	21,787	10.6	12.1	14.9	14.3	341	318	740
Southwest	4,127	3,867	8,466	8,838	5.1	5.2	6.3	5.8	461	395	843
Central	23,937	21,390	36,878	43,289	29.4	28.7	27.5	28.4	711	597	1,144
Northwest	3,913	3,337	6,917	7,751	4.8	4.5	5.2	5.1	532	451	1,068
Farwest	6,920	7,328	16,011	17,837	8.5	9.8	11.9	11.7	855	739	1,309

[1] Equals total income payments to individuals minus Federal and State individual income taxes (less Federal income tax refunds). To obtain comparability with the income tax data, the residence adjustments used in the computation of per capita income (see note 3 of "Technical Notes") were applied to total income payments prior to the deduction of income taxes.

Source: Office of Business Economics.

Table 12.—Total Income Payments to Individuals, by States and Regions, 1929–46 [1]

[Millions of dollars]

State and region	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946
Continental United States	82,617	73,325	61,971	47,432	46,273	53,038	58,558	68,000	72,211	66,045	70,601	75,852	92,269	116,433	140,021	151,217	155,201	169,373
New England	6,792	6,282	5,623	4,481	4,264	4,678	5,031	5,673	5,900	5,372	5,729	6,124	7,367	8,971	10,235	10,711	10,860	11,995
Connecticut	1,459	1,337	1,178	911	888	1,000	1,096	1,267	1,356	1,199	1,301	1,417	1,837	2,341	2,648	2,713	2,635	2,877
Maine	449	432	381	298	297	323	353	398	408	377	400	431	505	673	857	864	847	917
Massachusetts	3,787	3,512	3,156	2,555	2,386	2,593	2,757	3,093	3,193	2,928	3,106	3,309	3,846	4,528	5,141	5,447	5,631	6,269
New Hampshire	302	279	259	199	200	228	241	262	272	258	268	269	309	350	378	419	460	543
Rhode Island	579	527	477	385	366	391	426	473	494	447	480	511	651	826	925	963	956	1,006
Vermont	216	195	172	133	127	143	158	180	177	163	174	187	219	253	286	305	331	383
Middle East	27,840	25,609	22,031	17,045	16,337	18,299	19,577	22,448	23,481	21,503	22,783	24,319	28,203	33,277	38,735	41,994	43,577	48,031
Delaware	218	182	167	128	127	147	161	192	205	178	203	239	278	315	374	402	393	430
District of Columbia	638	644	619	549	495	556	631	763	792	781	813	905	1,040	1,254	1,448	1,508	1,607	1,736
Maryland	1,106	1,036	927	743	720	815	871	1,000	1,067	1,000	1,074	1,222	1,516	2,008	2,409	2,536	2,501	2,716
New Jersey	3,268	3,081	2,713	2,151	1,985	2,197	2,361	2,690	2,835	2,658	2,859	3,138	3,676	4,552	5,381	5,794	5,774	6,1 6
New York	14,479	13,346	11,435	8,840	8,509	9,369	9,941	11,246	11,635	10,759	11,301	11,830	13,384	15,215	17,614	19,304	20,454	22,895
Pennsylvania	7,338	6,638	5,580	4,172	4,027	4,627	4,989	5,818	6,174	5,438	5,819	6,225	7,404	8,847	10,270	11,085	11,376	12,437
West Virginia	793	682	590	462	474	588	623	739	773	689	714	760	905	1,086	1,239	1,365	1,472	1,656
Southeast	8,681	7,127	6,064	4,979	5,136	6,354	6,976	8,132	8,457	7,904	8,414	9,043	11,580	15,509	19,433	21,476	22,267	23,395
Alabama	802	617	512	419	419	537	585	699	711	652	681	763	1,037	1,428	1,780	1,943	2,021	2,073
Arkansas	562	393	332	287	288	342	389	470	479	456	478	493	658	896	977	1,122	1,218	1,328
Florida	695	635	546	439	425	516	584	711	773	751	819	900	1,062	1,452	2,105	2,369	2,420	2,372
Georgia	956	798	667	560	596	735	800	907	920	863	901	986	1,241	1,642	2,143	2,373	2,445	2,567
Kentucky	964	794	679	530	534	636	713	847	902	793	839	880	1,042	1,335	1,685	1,825	1,957	2,163
Louisiana	862	725	640	499	487	595	641	748	792	789	828	847	1,066	1,411	1,874	2,001	1,986	1,982
Mississippi	544	385	292	256	256	339	373	463	442	399	436	444	630	883	1,084	1,188	1,205	1,182
North Carolina	966	812	690	576	677	845	915	1,006	1,077	1,011	1,090	1,131	1,436	1,864	2,244	2,514	2,621	3,031
South Carolina	438	365	314	261	299	378	406	468	485	451	493	545	703	959	1,140	1,268	1,303	1,407
Tennessee	905	743	622	498	516	661	721	846	880	801	853	927	1,221	1,528	1,983	2,276	2,443	2,535
Virginia	987	860	770	654	639	770	849	967	996	938	996	1,127	1,484	2,111	2,418	2,597	2,648	2,755
Southwest	4,153	3,428	2,788	2,199	2,299	2,623	2,924	3,402	3,804	3,583	3,756	3,908	4,734	6,517	8,528	9,246	9,370	9,714
Arizona	245	208	170	122	120	149	167	202	232	213	227	237	287	445	598	582	594	627
New Mexico	161	137	116	86	90	113	131	162	177	165	179	190	222	299	375	420	448	491
Oklahoma	1,079	844	659	507	537	583	666	753	841	767	796	829	956	1,322	1,593	1,808	1,801	1,848
Texas	2,668	2,239	1,843	1,484	1,552	1,778	1,960	2,285	2,554	2,438	2,554	2,652	3,269	4,451	5,962	6,436	6,527	6,748
Central	24,226	20,833	17,185	12,630	12,193	14,139	16,220	18,986	20,620	18,378	20,090	21,664	26,800	33,147	39,165	41,789	42,893	47,838
Illinois	7,036	5,903	4,813	3,517	3,335	3,787	4,222	4,909	5,395	4,833	5,285	5,740	6,889	8,087	9,358	10,276	10,695	12,019
Indiana	1,877	1,595	1,325	974	978	1,167	1,312	1,571	1,713	1,522	1,688	1,858	2,437	3,092	3,725	3,928	4,102	4,386
Iowa	1,348	1,248	965	619	644	606	896	982	1,092	1,068	1,185	1,233	1,527	1,994	2,260	2,188	2,375	3,012
Michigan	3,543	2,940	2,413	1,816	1,641	2,131	2,469	2,926	3,257	2,705	3,054	3,425	4,271	5,482	6,856	7,162	6,799	7,379
Minnesota	1,443	1,325	1,125	839	812	921	1,083	1,281	1,362	1,304	1,378	1,424	1,626	2,040	2,271	2,411	2,614	3,082
Missouri	2,210	1,984	1,688	1,284	1,244	1,380	1,533	1,763	1,824	1,709	1,832	1,914	2,363	2,920	3,356	3,612	3,776	4,349
Ohio	4,920	4,251	3,564	2,610	2,601	3,066	3,447	4,072	4,406	3,794	4,154	4,448	5,646	6,973	8,349	8,917	9,114	9,808
Wisconsin	1,849	1,587	1,292	971	938	1,081	1,258	1,482	1,571	1,443	1,514	1,622	2,041	2,559	2,990	3,295	3,418	3,803
Northwest	3,927	3,592	2,824	1,931	1,953	2,250	2,627	3,029	3,238	2,974	3,099	3,363	4,109	6,086	6,946	7,484	7,692	8,439
Colorado	633	580	478	362	358	404	446	538	584	526	563	589	695	990	1,137	1,146	1,271	1,380
Idaho	230	204	153	112	115	146	165	201	223	207	213	232	278	419	477	527	525	588
Kansas	997	928	730	487	474	549	622	724	781	690	692	757	974	1,508	1,768	1,979	1,908	1,992
Montana	325	264	213	158	158	212	250	283	299	271	288	321	372	475	517	528	555	669
Nebraska	764	749	578	344	374	378	476	534	549	509	523	569	655	1,039	1,162	1,298	1,333	1,489
North Dakota	264	224	160	122	126	136	178	197	217	196	209	237	331	440	505	556	566	624
South Dakota	288	264	199	117	118	157	184	196	202	208	227	242	301	472	448	547	598	673
Utah	272	239	195	143	143	165	192	224	247	235	243	265	329	527	687	635	649	689
Wyoming	154	140	118	86	87	103	114	132	136	132	141	151	174	216	245	268	287	335
Far West	6,998	6,454	5,456	4,167	4,091	4,695	5,203	6,330	6,711	6,331	6,730	7,431	9,476	12,926	16,979	18,517	18,542	19,961
California	5,217	4,878	4,151	3,182	3,113	3,530	3,904	4,730	5,047	4,772	5,047	5,606	7,044	9,315	12,302	13,472	13,649	14,879
Nevada	74	70	62	46	43	53	62	72	77	69	84	92	107	207	211	206	210	235
Oregon	603	524	443	338	337	404	459	560	580	540	587	633	824	1,193	1,572	1,636	1,631	1,729
Washington	1,104	982	800	601	598	708	778	968	1,007	950	1,012	1,100	1,501	2,211	2,894	3,203	3,052	3,118

[1] For definition and description see section on "Technical Notes."

Source: Office of Business Economics.

are adapted from those proposed by Howard W. Odum in *Southern Regions of the United States* (University of North Carolina Press, Chapel Hill, 1936).

5. Estimates of total income payments to individuals for each State are derived as the summation of a very large number of separately estimated components. The following statement, which necessarily omits considerable detail, affords a brief description of the principal sources of data used in the derivation of State estimates for each of the four broad types of income payments defined above. Uniform sources and methods are utilized for all States.

Wages and salaries, which for the Nation are more than three-fifths of all income, are among the types of income for which data are most complete and reliable. They are estimated by States in considerable industrial detail. For most industries they are derived from reports of the Bureau of the Census and of the Social Security Administration. In the preparation of estimates for 1939 and subsequent years, heavy reliance was placed on wage data compiled by the Social Security Administration from tabulations by the State unemployment compensation agencies of reports received from all covered employers. For each State these tabulations include a summary of the total amount of wages, classified by detailed industry groups, actually paid out by establishments located in the State. The unemployment compensation wage data were supplemented by special tabulations of the Social Security Administration furnishing data on wages in the very small-sized firms excluded from unemployment insurance coverage by the varying size-of-firm provisions of the State laws. These tabulations were compiled from wage data filed by employers under the old age and survivors insurance program, which includes all-sized establishments within "covered" employment. Supplementation of the unemployment compensation wage data by the old age and survivors insurance wage data yields a complete measure of wages and salaries paid out by all establishments in "covered" industries. On a Nation-wide basis, wages and salaries in covered industries in 1946 constituted three-fourths of all civilian wages and salaries and nearly one-half of all income payments to individuals.

State estimates of wages and salaries are prepared for each of the several industries, or types of employment, not covered by Social Security laws. These include agriculture; Federal, State, and local government agencies; railroads; domestic service; maritime industries; and nonprofit religious, charitable, scientific, and educational agencies. Data used in the formulation of estimates for these categories are obtained, for the most part, from Federal agencies. For example, estimates of wages paid to hired farm laborers are secured from the Bureau of Agricultural Economics of the Department of Agriculture. Wage-and-salary payments by governmental agencies are based on data supplied by the Civil Service Commission, Bureau of Labor Statistics of the Department of Labor, Bureau of the Census, Office of Education of the Federal Security Agency, and the War and Navy Departments.

Estimates of government wages and salaries are made separately for the executive, judicial, legislative, and military branches of the Federal Government, and for the school and nonschool groups of employees of State and local governments. Pay of the armed forces, net of their contributions to allowances and allotments going to their dependents, is allocated by States in terms of their State of duty. This allocation is made separately for each of the four military services and is based on monthly or quarterly data by States on numbers of officers and of enlisted personnel stationed in each State and on average rates of pay for the two groups of personnel.

Table 13.—Per Capita Income Payments by States and Regions, 1929–40 and 1945–46 [1]

[Dollars]

State and region	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1945	1946
Continental United States	680	596	500	380	368	420	460	531	561	509	539	575	1,177	1,200
New England	838	768	684	542	514	561	602	678	704	640	680	725	1,305	1,320
Connecticut	918	830	725	558	540	605	659	758	808	710	764	827	1,468	1,465
Maine	566	540	473	367	364	394	428	480	490	450	474	509	1,048	1,044
Massachusetts	897	825	738	594	553	597	634	713	737	677	719	766	1,340	1,356
New Hampshire	652	599	551	422	420	478	502	544	562	531	548	546	977	1,048
Rhode Island	851	767	695	562	533	573	626	691	714	639	678	715	1,333	1,347
Vermont	601	542	476	369	351	397	439	501	493	454	483	521	1,009	1,085
Middle East	926	841	717	552	526	586	623	711	740	674	709	752	1,402	1,432
Delaware	919	762	687	522	513	586	634	750	795	682	771	896	1,429	1,493
District of Columbia	1,191	1,179	1,088	926	806	876	955	1,124	1,107	1,044	1,031	1,080	1,377	1,569
Maryland	703	651	577	460	441	493	524	597	635	594	634	713	1,303	1,293
New Jersey	947	869	751	586	535	589	630	712	750	699	746	803	1,516	1,494
New York	1,125	1,023	871	671	644	705	743	837	861	791	825	863	1,588	1,633
Pennsylvania	767	688	576	429	414	474	510	594	629	553	589	628	1,220	1,238
West Virginia	464	393	336	261	265	326	342	402	417	369	378	398	869	914
Southeast	344	279	235	191	195	239	260	301	310	287	303	322	799	801
Alabama	305	232	191	155	154	197	213	253	256	233	242	268	747	733
Arkansas	305	211	177	153	152	180	204	246	249	236	246	252	659	697
Florida	484	431	363	287	272	325	360	423	445	418	442	471	1,049	1,010
Georgia	329	274	227	189	200	245	264	298	301	280	290	315	813	809
Kentucky	371	303	256	198	199	234	260	307	325	283	297	308	751	778
Louisiana	415	344	299	230	222	269	286	330	346	341	354	357	832	784
Mississippi	273	191	143	125	123	162	177	218	207	185	201	202	570	555
North Carolina	309	255	214	176	205	253	270	294	312	289	308	316	749	817
South Carolina	252	209	178	147	167	209	222	254	262	241	261	286	686	729
Tennesse	349	283	234	185	190	241	260	302	311	280	295	317	866	843
Virginia	422	367	326	276	266	316	347	393	405	380	402	450	971	952
Southwest	464	376	303	237	247	279	309	357	397	371	386	399	945	927
Arizona	573	475	382	271	263	322	355	425	482	436	461	473	1,026	995
New Mexico	383	322	265	192	196	240	272	330	353	322	341	356	850	911
Oklahoma	455	352	275	212	226	246	281	319	358	327	340	356	849	825
Texas	465	383	312	248	257	292	319	369	409	387	401	413	975	954
Central	720	612	503	369	355	411	469	546	589	521	565	605	1,227	1,264
Illinois	932	772	626	456	431	488	543	630	691	616	671	726	1,427	1,486
Indiana	583	491	405	296	296	351	392	468	508	449	495	541	1,168	1,158
Iowa	546	504	388	248	258	242	357	391	434	423	468	485	996	1,183
Michigan	745	608	503	382	348	455	524	606	659	535	591	649	1,218	1,215
Minnesota	566	515	433	320	307	346	403	473	500	474	497	509	995	1,090
Missouri	612	546	461	349	337	373	413	473	488	455	486	505	1,063	1,143
Ohio	748	638	532	388	386	453	507	598	646	554	603	643	1,329	1,302
Wisconsin	634	539	435	325	312	357	413	484	510	466	485	516	1,159	1,198
Northwest	534	487	384	262	265	304	354	409	438	402	418	454	1,114	1,162
Colorado	616	558	455	342	336	376	412	493	532	475	505	524	1,185	1,196
Idaho	518	455	336	241	242	304	338	406	444	406	411	440	1,112	1,243
Kansas	532	498	402	267	258	298	337	395	430	382	383	422	1,076	1,062
Montana	602	490	393	290	290	387	455	514	541	488	515	574	1,228	1,394
Nebraska	557	544	421	251	275	279	353	399	412	384	397	433	1,086	1,164
North Dakota	389	329	236	181	190	205	269	300	333	302	325	368	1,097	1,162
South Dakota	417	382	289	171	172	232	273	294	306	318	351	376	1,112	1,228
Utah	537	470	379	276	275	313	362	419	459	434	443	480	1,073	1,063
Wyoming	687	619	515	371	369	435	477	548	560	537	567	605	1,153	1,264
Far West	865	775	642	481	465	524	571	684	714	662	692	750	1,458	1,465
California	946	854	710	533	511	568	617	734	769	714	741	805	1,503	1,531
Nevada	817	761	660	479	447	535	614	699	733	645	767	836	1,511	1,703
Oregon	640	547	455	342	337	399	447	539	552	507	544	579	1,231	1,188
Washington	713	626	503	374	369	432	470	579	597	558	588	632	1,406	1,346

[1] See note 3 of section on "Technical Notes."

Source: Office of Business Economics.

Proprietors' income may be divided for purposes of this discussion into net income of farm operators and net income of nonfarm proprietors. State estimates of the net income of farm operators are derived by deducting from farmers' gross income during the calendar year their total expenses of production. Gross income includes cash income from marketings of crops and livestock, Government payments, the value of products consumed on the farm, and the value (positive or negative) of the change in inventories of crops and livestock. The total of production expenses is a summation of 34 separately estimated items. Data on which the income and expenditures data are based are those of the Bureau of Agricultural Economics. It should be noted that products consumed on farms are valued at farm prices. For some purposes, particularly those related to "welfare" comparisons, valuation at retail prices might be preferable.

The total net income of proprietors in nonagricultural industries is prepared by States for each major industry division. The geographic distribution of these components of total income payments is based mainly on reports of the Bureau of the Census, including reports of both the industrial and population censuses. Pending the availability of more complete information from Census enumerations, year-to-year alterations of the State distributions derived for the census-year 1939 were based for each industry on a relevant measure such as volume of sales or wage-and-salary payments.

National estimates of dividends, interest, and net rents and royalties are distributed by States primarily on the basis of tabulations by the Bureau of Internal Revenue of the amounts of those items reported by individuals on Federal income tax returns. Exceptions to this general procedure are the separate estimation of net rents received by farmer landlords (from data of the Bureau of Agricultural Economics) and, for 1942–46, of Federal interest payments to individuals.

For most of the numerous individual components of the category of "other" income payments, State and national data represent actual disbursements, as reported by Federal agencies. Types of income for which data on disbursements by States are available from official reports include public assistance and other relief, retirement and unemployment insurance benefits under the Social Security and Railroad Retirement and Railroad Unemployment Insurance programs, and veterans' pensions and benefits. For two other items of this category—workmen's compensation and retirement payments by State and local governments—estimates are supplied by the Social Security Administration as a product of its studies of social insurance and related payments. Data on State bonus payments to veterans of World War II were furnished by the individual State governments.

The War and Navy Departments report disbursements for the country as a whole for mustering-out payments, military allowances, and enlisted men's cash terminal leave payments. Additionally, they supply requisite data for estimating the amounts of these disbursements received by residents of the various States. Such data include a tabulation by the War Department of the actual amount of family-allowance payments received in each State during June 1944, annual data on military separations by State of residence, and annual data on the number of military personnel according to State of residence.

Table 14.—State Income Payments, by Type of Payment, 1942–46 [1]

[Millions of dollars]

State	1942	1943	1944	1945	1946
United States, total	116, 433	140, 021	151, 217	155, 201	169, 373
Wages and salaries	77, 945	96, 394	101, 548	99, 158	105, 215
Proprietors' income	21, 410	24, 231	25.848	27, 694	34, 166
Property income	12, 887	13, 595	14, 544	15, 476	17, 308
Other income	4, 191	5, 801	9, 277	12, 873	12, 684
Alabama, total	1, 428	1, 780	1, 943	2, 021	2, 073
Wages and salaries	963	1, 179	1, 216	1, 177	1, 156
Proprietors' income	328	397	431	460	541
Property income	89	104	112	122	140
Other income	48	100	184	262	236
Arizona, total	445	598	582	594	627
Wages and salaries	287	410	380	368	365
Proprietors' income	102	126	117	122	159
Property income	36	36	41	44	50
Other income	20	26	44	60	53
Arkansas, total	896	977	1, 122	1, 218	1, 328
Wages and salaries	456	513	534	571	564
Proprietors' income	344	331	389	396	515
Property income	56	58	67	73	88
Other income	40	75	132	178	161
California, total	9, 315	12, 302	13, 472	13, 649	14, 879
Wages and salaries	6, 282	8, 575	9, 204	8, 919	9, 269
Proprietors' income	1, 548	2, 079	2, 320	2, 472	3, 130
Property income	1, 151	1, 219	1, 310	1, 393	1, 546
Other income	334	429	638	865	934
Colorado, total	990	1, 137	1, 146	1, 271	1, 380
Wages and salaries	582	679	662	702	776
Proprietors' income	228	258	247	300	324
Property income	127	134	142	151	168
Other income	53	66	95	118	112
Connecticut, total	2, 341	2, 648	2. 713	2, 635	2, 877
Wages and salaries	1, 743	1, 987	1, 966	1, 796	1, 933
Proprietors' income	181	206	223	236	307
Property income	370	385	409	428	476
Other income	47	70	115	175	161
Delaware, total	315	374	402	393	430
Wages and salaries	208	255	267	251	271
Proprietors' income	44	50	55	53	62
Property income	57	59	63	65	72
Other income	6	10	17	24	25
District of Columbia, total	1, 254	1, 448	1, 508	1, 607	1, 736
Wages and salaries	996	1, 174	1, 195	1, 255	1, 320
Proprietors' income	95	90	92	99	122
Property income	127	134	143	150	170
Other income	36	50	78	103	124
Florida, total	1, 452	2, 105	2, 369	2, 420	2, 372
Wages and salaries	972	1, 455	1, 596	1, 533	1, 415
Proprietors' income	248	376	427	472	532
Property income	169	182	191	205	234
Other income	63	92	155	210	191
Georgia, total	1, 642	2, 143	2, 373	2, 445	2, 567
Wages and salaries	1, 093	1, 440	1, 555	1, 477	1, 529
Proprietors' income	366	444	460	519	613
Property income	123	143	154	167	192
Other income	60	116	204	282	233
Idaho, total	419	477	527	525	588
Wages and salaries	224	260	282	264	298
Proprietors' income	150	167	181	182	208
Property income	30	32	34	38	42
Other income	15	18	30	41	40
Illinois, total	8, 087	9, 358	10, 276	10, 695	12, 019
Wages and salaries	5, 525	6, 526	7, 136	7, 126	7, 881
Proprietors' income	1, 297	1, 439	1, 499	1, 650	2, 121
Property income	964	1, 020	1, 078	1, 149	1, 282
Other income	301	373	563	770	735
Indiana, total	3, 092	3, 725	3, 928	4, 102	4, 386
Wages and salaries	2, 060	2, 572	2, 675	2, 547	2, 674
Proprietors' income	651	715	715	905	1, 050
Property income	279	293	311	338	375
Other income	102	145	227	312	287
Iowa, total	1, 994	2, 260	2, 188	2, 375	3, 012
Wages and salaries	809	950	1, 019	1, 044	1, 190
Proprietors' income	937	1, 022	814	915	1, 384
Property income	185	197	208	221	252
Other income	63	91	147	195	186
Kansas, total	1, 508	1, 768	1, 979	1, 908	1, 992
Wages and salaries	763	1, 031	1, 102	1, 007	967
Proprietors' income	555	516	595	569	686
Property income	141	148	164	175	195
Other income	49	73	118	157	144
Kentucky, total	1, 335	1, 685	1, 825	1, 957	2, 163
Wages and salaries	763	975	1, 010	1, 016	1, 112
Proprietors' income	372	460	478	525	631
Property income	139	150	162	175	198
Other income	61	100	175	241	222
Louisiana, total	1, 411	1, 874	2, 001	1, 986	1, 982
Wages and salaries	961	1, 287	1, 355	1, 249	1, 227
Proprietors' income	264	350	330	348	379
Property income	126	137	146	157	176
Other income	60	100	170	232	200
Maine, total	673	857	864	847	917
Wages and salaries	483	610	604	550	565
Proprietors' income	100	144	130	141	183
Property income	67	70	75	80	90
Other income	23	33	55	76	79
Maryland, total	2, 008	2, 409	2, 536	2, 501	2, 716
Wages and salaries	1, 481	1, 802	1, 829	1, 704	1, 771
Proprietors' income	252	290	324	344	455
Property income	226	237	252	268	297
Other income	49	80	131	185	193
Massachusetts, total	4, 528	5, 141	5, 447	5, 631	6, 269
Wages and salaries	3, 279	3, 798	3, 927	3, 898	4, 215
Proprietors' income	443	470	493	536	656
Property income	624	647	689	724	803
Other income	182	226	338	473	595
Michigan, total	5, 482	6, 856	7, 162	6, 799	7, 379
Wages and salaries	4, 163	5, 400	5, 448	4, 788	5, 114
Proprietors' income	688	771	868	923	1, 110
Property income	450	478	510	555	624
Other income	181	207	336	533	531
Minnesota, total	2, 040	2, 271	2, 411	2, 614	3, 082
Wages and salaries	1, 090	1, 266	1, 361	1, 419	1, 610
Proprietors' income	661	692	667	737	959
Property income	192	201	215	232	263
Other income	97	112	168	226	250
Mississippi, total	883	1, 084	1, 188	1, 205	1, 182
Wages and salaries	440	588	562	518	531
Proprietors' income	353	359	417	421	410
Property income	54	64	72	74	83
Other income	36	73	137	192	158
Missouri, total	2, 920	3, 356	3, 612	3, 776	4, 349
Wages and salaries	1, 815	2, 138	2, 247	2, 300	2, 489
Proprietors' income	691	735	759	758	1, 077
Property income	302	317	339	359	410
Other income	112	166	267	359	373
Montana, total	475	517	528	555	669
Wages and salaries	239	265	272	274	321
Proprietors' income	179	192	182	192	254
Property income	36	38	41	44	50
Other income	21	22	33	45	44
Nebraska, total	1, 039	1, 162	1, 298	1, 333	1, 489
Wages and salaries	460	593	653	645	655
Proprietors' income	448	422	464	473	608
Property income	96	101	109	118	134
Other income	35	46	72	97	92

Table 14.—State Income Payments, by Type of Payment, 1942–46 [1]—Continued

[Millions of dollars]

State	1942	1943	1944	1945	1946
Nevada, total	207	211	206	210	235
Wages and salaries	140	146	140	133	143
Proprietors' income	45	41	38	44	57
Property income	17	18	19	20	23
Other income	5	6	9	13	12
New Hampshire, total	350	378	419	460	543
Wages and salaries	243	255	274	290	348
Proprietors' income	43	51	58	66	87
Property income	50	52	55	58	65
Other income	14	20	32	46	43
New Jersey, total	4,552	5,381	5,794	5,774	6,161
Wages and salaries	3,467	4,182	4,403	4,162	4,310
Proprietors' income	478	518	565	612	779
Property income	464	485	518	555	620
Other income	143	196	308	445	452
New Mexico, total	299	375	420	448	491
Wages and salaries	173	235	254	261	271
Proprietors' income	84	90	99	105	135
Property income	27	29	31	33	38
Other income	15	21	36	49	47
New York, total	15,215	17,614	19,304	20,454	22,895
Wages and salaries	10,329	12,300	13,286	13,691	15,208
Proprietors' income	1,999	2,238	2,429	2,643	3,254
Property income	2,297	2,373	2,528	2,653	2,940
Other income	590	703	1,061	1,467	1,493
North Carolina, total	1,864	2,244	2,514	2,621	3,031
Wages and salaries	1,135	1,425	1,453	1,445	1,672
Proprietors' income	520	544	671	695	900
Property income	153	167	191	201	235
Other income	56	108	199	280	224
North Dakota, total	440	505	556	566	624
Wages and salaries	141	161	179	193	235
Proprietors' income	255	296	316	295	309
Property income	30	31	34	38	44
Other income	14	17	27	40	36
Ohio, total	6,973	8,349	8,917	9,114	9,808
Wages and salaries	4,950	6,114	6,408	6,183	6,566
Proprietors' income	963	1,054	1,091	1,271	1,525
Property income	828	868	923	982	1,086
Other income	232	313	495	678	631
Oklahoma, total	1,322	1,593	1,808	1,801	1,848
Wages and salaries	720	969	1,022	992	945
Proprietors' income	412	395	474	428	506
Property income	119	126	141	150	169
Other income	71	103	171	231	228
Oregon, total	1,193	1,572	1,636	1,631	1,729
Wages and salaries	821	1,109	1,121	1,032	1,058
Proprietors' income	249	316	330	374	426
Property income	86	93	100	110	124
Other income	37	54	85	115	121
Pennsylvania, total	8,847	10,270	11,085	11,376	12,437
Wages and salaries	6,422	7,501	7,870	7,715	8,222
Proprietors' income	1,054	1,239	1,362	1,465	1,810
Property income	1,068	1,117	1,189	1,261	1,402
Other income	303	413	664	935	1,003
Rhode Island, total	826	925	963	956	1,006
Wages and salaries	612	700	704	667	688
Proprietors' income	80	78	84	84	100
Property income	107	111	119	125	138
Other income	27	36	56	80	80
South Carolina Total	959	1,140	1,268	1,303	1,407
Wages and salaries	669	793	817	794	835
Proprietors' income	201	217	259	269	359
Property income	53	64	72	76	90
Other income	36	66	120	164	123
South Dakota, total	472	448	547	598	673
Wages and salaries	162	191	199	213	227
Proprietors' income	263	208	283	304	359
Property income	31	30	35	40	46
Other income	16	19	30	41	41
Tennessee, total	1,528	1,983	2,276	2,443	2,535
Wages and salaries	947	1,262	1,397	1,428	1,443
Proprietors' income	377	453	514	558	631
Property income	141	153	165	180	206
Other income	63	115	200	277	255
Texas, total	4,451	5,962	6,436	6,527	6,748
Wages and salaries	2,755	3,863	4,078	3,944	3,915
Proprietors' income	1,122	1,365	1,395	1,407	1,649
Property income	407	449	486	514	579
Other income	167	285	477	662	605
Utah, total	527	687	635	649	689
Wages and salaries	352	467	417	412	423
Proprietors' income	122	159	139	140	158
Property income	33	35	37	41	46
Other income	20	26	42	56	62
Vermont, total	253	286	305	331	383
Wages and salaries	155	175	180	184	221
Proprietors' income	51	59	63	73	86
Property income	39	40	43	45	49
Other income	8	12	19	29	27
Virginia, total	2,111	2,418	2,597	2,648	2,755
Wages and salaries	1,555	1,774	1,804	1,746	1,779
Proprietors' income	344	371	439	470	552
Property income	161	177	185	200	226
Other income	51	96	169	232	198
Washington, total	2,211	2,894	3,203	3,052	3,118
Wages and salaries	1,544	2,097	2,268	2,058	1,944
Proprietors' income	413	511	589	574	686
Property income	175	185	200	220	247
Other income	79	101	146	200	241
West Virginia, total	1,086	1,239	1,365	1,472	1,656
Wages and salaries	796	900	965	999	1,119
Proprietors' income	156	179	183	199	258
Property income	79	84	90	99	114
Other income	55	76	127	175	165
Wisconsin, total	2,559	2,990	3,295	3,418	3,803
Wages and salaries	1,592	1,902	2,089	2,053	2,238
Proprietors' income	589	675	718	790	958
Property income	290	306	327	349	387
Other income	88	107	161	226	220
Wyoming, total	216	245	268	287	335
Wages and salaries	128	145	163	165	187
Proprietors' income	65	73	72	80	106
Property income	16	18	19	21	24
Other income	7	9	14	21	18

[1] For definitions see section on "Technical Notes." Comparable estimates for the years 1929, 1933, and 1939–41 were published in the August 1945 issue of the SURVEY OF CURRENT BUSINESS.

Source: Office of Business Economics.

The Business Situation

(Continued from p. 8)

total retail sales the bulge is not readily apparent.

The year 1936 was the period of greatest expansion in economic activity in the 1933–37 recovery from the depression low. While the bonus was one of the lesser expansionary forces, its contribution to the level of production and prices was undoubtedly important. The seasonally adjusted annual rate of personal income rose from 68.0 billion dollars in May to 78.9 billion in June and declined to 71.2 billion in September. The rise in income in 1936, the large average size of the bonds, and the age range of the veterans suggest that a significant proportion of the bonds was used to liquidate debt, to invest in houses and other capital goods, and to add to liquid assets.

Spending Stimulus

In comparison with 1936, the factors that may lead to a higher propensity to spend the proceeds of bond redemptions are the relatively small average size of the bonds, the young age distribution, the number of veterans in college, and the need to finance the setting up of new households. On the other hand, unemployment is now lower and wages higher than 11 years ago, and durable goods are not now so readily available.

The increase in personal consumption expenditures arising from this source will have some expansionary effect in the economy. Concerning the types of goods and services most likely to be affected, it might seem that nonrecurrent lump payments such as the present one would tend to favor expenditures for durable goods. In view of the still limited output of many durable goods, however, the effect may be to limit borrowing through increasing the size of down payments. Also to some extent it could be expected to reduce commercial borrowing at higher rates. As in 1936, the bulge in personal consumption expenditures may not be obvious, but there can hardly be any doubt that expenditures in late 1947 will be higher than they would have been without the cashing of leave bonds. It follows that appraisal of current market tendencies should take account of this nonrecurring item, though obviously such appraisals would include the relative magnitude in what is at present a consumer spending market of 159 billion dollars.

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 asterik(*) 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 June 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	1947 June	1946 June	1946 July	1946 August	1946 September	1946 October	1946 November	1946 December	1947 January	1947 February	1947 March	1947 April	1947 May
BUSINESS INDEXES													
PERSONAL INCOME*													
Seasonally adjusted, at annual rates:													
Total personal income .... bil. of dol.	193.0	173.2	179.0	180.9	178.5	184.0	188.4	189.9	190.3	190.7	191.8	190.2	r 191.5
Wage and salary receipts, total .... do	119.3	107.9	109.9	112.3	113.0	113.6	115.4	117.0	117.1	117.5	117.5	116.7	r 118.3
Total employer disbursements .... do	121.4	109.8	111.8	114.2	114.8	115.4	117.2	118.8	r 119.2	r 119.6	r 119.6	r 118.9	r 120.4
Commodity-producing industries .... do	54.8	45.8	46.4	48.5	49.4	49.5	50.6	52.3	53.1	53.2	53.7	53.2	r 54.1
Distributive industries .... do	34.5	30.6	31.3	31.9	31.8	32.0	33.0	33.5	33.5	33.7	33.7	33.4	r 34.2
Service industries .... do	15.0	13.6	14.0	14.0	14.1	14.2	14.4	14.4	14.6	14.6	14.6	14.8	14.9
Government .... do	17.1	19.8	20.1	19.8	19.5	19.7	19.2	18.6	18.0	18.1	17.6	17.5	r 17.2
Less employee contributions for social insurance bil. of dol.	2.1	1.9	1.9	1.9	1.8	1.8	1.8	1.8	2.1	2.1	2.1	2.2	2.1
Other labor income .... do	1.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.8
Proprietors' and rental income .... do	47.3	39.3	43.3	42.9	39.5	45.3	47.6	47.2	46.6	46.8	47.7	46.9	r 46.9
Personal interest income and dividends .... do	14.0	13.2	13.3	13.3	13.3	13.3	13.5	13.7	13.9	14.0	14.0	14.0	14.0
Total transfer payments .... do	10.6	11.2	10.9	10.8	11.1	10.2	10.3	10.4	11.1	10.7	10.9	10.9	r 10.5
Total nonagricultural income .... do	169.9	155.3	157.5	160.5	162.0	162.7	165.6	167.3	168.2	168.5	168.8	167.8	r 169.2
FARM MARKETINGS AND INCOME													
Farm marketings, volume:*													
Indexes, unadjusted:													
Total farm marketings .... 1935–39=100	138	111	154	145	130	188	168	150	144	112	118	119	127
Crops .... do	106	94	150	156	162	231	169	153	149	93	91	85	86
Livestock and products .... do	163	125	158	136	106	155	166	148	140	127	138	144	158
Indexes, adjusted:													
Total farm marketings .... do	(1)	131	155	139	111	142	156	154	166	148	145	141	(1)
Crops .... do	(1)	150	142	130	117	142	155	155	191	148	148	141	(1)
Livestock and products .... do	(1)	118	164	146	107	142	157	154	148	148	143	141	(1)
Cash farm income, total, including Government payments* .... mil. of dol.	....	r 1,573	r 2,623	r 2,388	r 2,123	r 3,401	r 2,999	r 2,438	2,180	1,745	1,996	1,972	2,025
Income from marketings* .... do	2,192	r 1,520	r 2,489	r 2,325	r 2,110	r 3,386	r 2,986	r 2,420	2,144	1,701	1,930	1,912	r 1,996
Crops* .... do	743	r 598	r 1,140	r 1,108	r 1,211	r 1,862	r 1,450	r 999	834	522	608	582	r 614
Livestock and products* .... do	1,449	r 922	r 1,349	r 1,217	r 899	r 1,524	r 1,536	r 1,421	1,310	1,179	1,322	1,330	r 1,382
Dairy products* .... do	387	r 350	r 391	r 370	r 342	r 343	r 315	r 317	320	314	337	347	r 383
Meat animals* .... do	794	r 328	r 693	r 612	r 302	r 875	r 933	r 829	811	686	754	736	716
Poultry and eggs* .... do	234	r 206	r 227	r 211	r 236	r 288	r 274	r 266	174	174	225	233	r 260
Indexes of cash income from marketings:†													
Crops and livestock, combined index:													
Unadjusted .... 1935–39=100	332	r 229	r 375	r 350	r 318	r 510	r 449	r 364	323	256	r 291	288	r 300
Adjusted .... do	(1)	271	335	313	249	348	367	363	366	352	364	367	(1)
Crops .... do	(1)	332	311	294	279	346	347	349	370	310	338	364	(1)
Livestock and products .... do	(1)	226	354	327	227	349	382	374	364	384	383	369	(1)
INDUSTRIAL PRODUCTION													
Federal Reserve Index													
Unadjusted, combined index† .... 1935–39=100	p 184	171	174	180	184	184	183	180	185	185	187	r 185	r 185
Manufactures† .... do	p 190	176	178	186	191	191	192	188	192	193	195	193	r 191
Durable manufactures† .... do	p 218	194	203	210	214	215	214	209	218	220	223	r 222	r 218
Iron and steel† .... do	193	154	180	184	185	184	178	159	192	191	196	195	197
Lumber and products† .... do	r 145	141	137	144	147	142	139	129	126	135	140	143	r 143
Furniture† .... do	r 159	146	144	152	152	155	157	160	161	167	166	161	r 158
Lumber† .... do	r 139	138	133	140	144	136	131	114	107	118	126	134	136
Machinery† .... do	r 273	241	243	254	261	268	271	276	277	277	281	r 276	273
Nonferrous metals and products† .... do	r 182	137	150	159	172	184	192	197	204	205	199	r 195	r 187
Fabricating* .... do	r 180	147	155	163	176	191	198	203	212	211	200	r 193	r 182
Smelting and refining* .... do	r 186	110	139	150	161	167	176	182	184	190	196	203	r 198
Stone, clay, and glass products† .... do	r 207	191	193	204	212	209	207	203	208	205	209	208	r 206
Cement .... do	....	166	171	179	188	181	175	161	148	154	157	166	148
Clay products* .... do	p 162	147	147	154	155	158	155	158	156	156	159	160	r 162
Glass containers† .... do	254	237	239	261	270	258	254	247	273	255	269	263	269
Transportation equipment .... do	p 229	238	241	242	240	237	235	235	229	233	r 239	237	r 224
Automobiles†§ .... do	p 186	167	176	182	188	185	187	187	181	190	197	193	r 178
Nondurable manufactures† .... do	p 168	162	159	166	172	172	174	172	172	171	171	169	r 169
Alcoholic beverages† .... do	178	174	187	174	237	221	196	210	206	195	187	182	167
Chemicals† .... do	p 245	231	232	233	235	240	244	250	252	253	254	r 253	r 252
Industrial chemicals* .... do	p 434	389	396	395	395	402	411	422	430	429	r 431	r 433	r 434

p Preliminary. r Revised. § Index is being revised; see note for automobile index at the bottom of p. S-2 of the February 1947 Survey. 1 Discontinued.

*New series. The new series on personal income replace the series designated "income payments" shown in the Survey through the June 1947 issue; personal income is current income received by persons from all sources, exclusive of transfers among persons; data for 1929–46 and a description of the series are published in "The National Income Supplement to the July 1947 Survey of Current Business" which can be purchased from the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C., for 25 cents. Data to continue through May the series on income payments are given on p. 2, July, 1947 Survey. For a description of the indexes of the volume of farm marketings and figures for 1929–42, see pp. 23–32 of the April 1943 Survey; indexes since 1942 are from the Department of Agriculture. Data for 1913–41 for the dollar figures for total cash farm income and total income from marketings are shown on p. 28 of the May 1943 Survey; data for 1940–44 published in that and later issues are subject to revision; data beginning 1945 have been revised and revisions for January 1945–May 1946 for the totals and the breakdown of cash farm income will be published later. Data beginning 1939 for the new series under industrial production are shown on p. 18 of the December 1943 issue.

†Revised series. For revisions for the indicated series on industrial production, see pp. 18–20 of the December 1943 issue. Revised data for 1913–40 for the unadjusted index of cash income from farm marketings are available on p. 28 of the May 1943 Survey; 1941-May 1946 data are subject to revision; the adjusted index has been discontinued.

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

BUSINESS INDEXES—Continued

	1947 June	1946 June	July	August	September	October	November	December	1947 January	February	March	April	May
INDUSTRIAL PRODUCTION—Continued													
Federal Reserve Index—Continued													
Unadjusted—Continued.													
Manufactures—Continued.													
Nondurable manufactures—Continued.													
Leather and products† ....1935-39=100	----	127	101	119	118	117	123	114	116	123	121	115	113
Leather tanning* ....do	----	104	94	100	99	98	114	110	113	127	121	118	119
Shoes ....do	----	142	106	133	131	130	129	117	118	121	121	113	r 110
Manufactured food products† ....do	p 154	137	161	164	164	158	158	157	149	140	140	144	r 149
Dairy products† ....do	p 229	p 189	p 197	p 175	p 151	p 120	p 96	p 95	p 95	p 107	p 127	p 161	p 202
Meat packing ....do	150	84	154	122	37	117	181	175	191	152	138	139	151
Processed fruits and vegetables* ....do	p 101	125	228	255	315	216	147	132	102	86	83	88	88
Paper and products† ....do	p 160	147	136	147	150	152	153	150	156	157	r 159	156	161
Paper and pulp† ....do	p 155	142	131	142	144	146	147	146	150	151	154	150	r 155
Petroleum and coal products† ....do	----	p 174	p 178	p 182	p 181	p 179	p 177	p 178	p 180	p 185	p 185	p 179	p 186
Coke ....do	----	137	160	165	166	167	152	143	171	172	172	166	169
Petroleum refining† ....do	----	----	----	----	----	----	----	----	----	----	----	----	----
Printing and publishing† ....do	146	129	115	123	128	135	135	141	133	138	145	144	145
Rubber products† ....do	p 213	218	211	221	234	234	243	252	247	246	239	234	r 220
Textiles and products† ....do	p 154	165	145	163	168	169	174	164	172	173	172	166	r 164
Cotton consumption ....do	133	152	127	149	153	155	164	141	161	161	160	154	148
Rayon deliveries ....do	261	245	239	240	242	248	256	254	263	262	270	270	r 271
Wool textile production ....do	----	174	144	173	181	178	181	180	171	178	172	r 159	161
Tobacco products ....do	p 165	159	145	161	166	179	172	138	157	160	149	151	142
Minerals† ....do	p 153	141	150	147	149	147	135	132	141	141	143	139	154
Fuels† ....do	p 153	149	153	150	151	150	140	141	151	150	153	144	156
Anthracite† ....do	p 109	86	128	120	125	124	123	121	118	107	113	102	104
Bituminous coal† ....do	p 147	156	159	156	163	160	116	130	173	162	163	127	168
Crude petroleum ....do	p 159	153	154	151	149	149	150	147	146	150	153	155	157
Metals ....do	p 153	95	126	132	136	126	105	76	81	84	83	r 112	139
Adjusted, combined index† ....do	p 183	170	172	178	180	182	183	182	189	189	190	r 187	r 185
Manufactures ....do	p 189	176	177	184	186	188	191	190	196	197	198	194	r 191
Durable manufactures ....do	p 217	193	202	208	212	214	214	211	221	222	225	222	r 218
Lumber and products ....do	p 148	133	129	135	137	136	142	141	142	147	147	144	141
Lumber ....do	p 128	127	121	126	129	127	135	132	131	137	138	135	132
Nonferrous metals ....do	p 182	137	151	159	172	184	192	197	204	205	199	r 195	r 187
Smelting and refining* ....do	p 188	110	140	150	161	168	175	181	184	190	195	203	r 198
Stone, clay, and glass products ....do	p 206	190	192	197	204	200	202	210	219	219	218	211	r 200
Cement ....do	----	155	155	159	162	156	162	177	182	203	192	175	141
Clay products* ....do	p 164	148	147	150	150	149	150	152	168	164	165	r 164	r 162
Glass containers ....do	257	240	249	251	265	250	251	265	278	263	269	263	r 251
Nondurable manufactures ....do	p 167	162	157	164	165	168	173	174	177	176	176	172	r 170
Alcoholic beverages ....do	159	161	176	174	227	206	213	234	241	223	208	189	162
Chemicals ....do	p 248	233	235	237	235	238	243	249	253	252	252	251	r 253
Leather and products ....do	----	128	103	120	119	117	121	115	116	120	122	115	113
Leather tanning* ....do	----	107	99	101	101	97	110	110	113	118	122	119	119
Manufactured food products ....do	p 154	139	150	147	136	146	156	162	161	156	157	158	r 155
Dairy products ....do	p 153	p 129	p 136	p 137	p 143	p 146	p 146	p 147	p 148	p 149	153	p 154	152
Meat packing ....do	152	85	165	138	38	115	163	151	163	159	149	150	151
Processed fruits and vegetables* ....do	p 131	162	175	155	143	167	160	170	157	137	151	144	r 137
Paper and products ....do	p 159	146	136	147	150	152	153	150	156	157	159	156	r 161
Paper and pulp ....do	p 154	142	131	142	144	146	147	146	150	151	154	150	r 155
Petroleum and coal products ....do	----	p 174	p 178	p 182	p 181	p 179	p 177	p 178	p 180	p 185	p 186	p 179	p 186
Petroleum refining† ....do	----	----	----	----	----	----	----	----	----	----	----	----	----
Printing and publishing ....do	146	129	124	129	128	132	130	138	138	140	142	141	142
Textiles and products ....do	p 154	165	145	163	168	169	174	164	172	173	172	166	r 164
Tobacco products ....do	159	153	140	155	157	173	169	148	158	168	158	160	142
Minerals ....do	p 149	139	146	144	146	145	136	137	146	146	148	r 143	152
Metals ....do	p 127	78	103	107	111	111	117	111	117	122	117	r 136	124
MANUFACTURERS' ORDERS, SHIPMENTS, AND INVENTORIES (VALUE)													
New orders, index, total† ....avg. month 1939=100	----	214	204	211	228	228	233	241	240	254	249	r 241	236
Durable goods industries ....do	----	231	229	232	254	248	254	271	270	295	288	279	256
Iron and steel and their products ....do	----	223	252	250	281	267	274	294	295	327	319	r 308	273
Machinery, including electrical ....do	----	331	295	292	321	318	314	326	308	344	336	r 316	293
Other durable goods ....do	----	161	153	166	173	173	186	204	215	224	217	219	209
Nondurable goods industries ....do	----	203	188	198	212	215	221	223	222	229	226	219	223
Shipments, index, total† ....do	----	209	206	222	240	244	267	276	274	290	288	r 288	283
Durable goods industries ....do	----	212	216	233	259	262	278	292	292	311	312	320	313
Automobiles and equipment ....do	----	126	169	188	216	217	235	255	246	267	268	r 276	258
Iron and steel and their products ....do	----	187	197	212	229	228	237	232	246	256	263	268	265
Machinery, including electrical ....do	----	255	240	257	289	287	315	346	326	364	364	r 366	368
Nonferrous metals and products ....do	----	210	206	241	276	289	319	340	335	366	366	371	365
Transportation equipment (exc. autos) ....do	----	535	497	457	531	506	503	561	572	567	547	597	600
Other durable goods industries ....do	----	220	211	230	247	263	270	271	283	290	290	r 300	286
Nondurable goods industries ....do	----	206	199	215	227	231	260	266	260	275	272	265	262
Chemicals and allied products ....do	----	208	198	206	223	224	250	255	264	277	278	r 278	264
Food and kindred products ....do	----	209	220	253	244	248	306	306	291	309	301	r 282	281
Paper and allied products ....do	----	208	185	198	222	225	242	248	255	273	268	r 276	274
Products of petroleum and coal ....do	----	185	193	196	209	203	219	232	224	229	236	244	252
Rubber products ....do	----	293	268	282	311	333	313	352	290	315	322	311	----
Textile-mill products ....do	----	208	174	180	207	217	221	219	213	228	222	209	201
Other nondurable goods industries ....do	----	199	186	193	218	r 221	240	251	254	267	263	265	263
Inventories:													
Index, total ....do	----	173	181	186	190	197	200	204	209	213	217	222	225
Durable goods industries ....do	----	189	195	200	206	211	215	220	226	232	238	244	251
Automobiles and equipment ....do	----	234	245	252	258	263	259	256	269	284	298	300	314
Iron and steel and their products ....do	----	124	128	131	134	137	137	138	140	142	143	145	150
Machinery, including electrical† ....do	----	251	256	261	268	276	284	290	299	306	316	r 326	334
Nonferrous metals and products* ....do	----	152	157	161	163	167	167	166	179	182	184	184	186
Transportation equipment (exc. autos) ....do	----	626	642	684	708	739	781	819	816	860	897	928	959
Other durable goods industries† ....do	----	128	132	136	141	144	147	153	156	159	165	170	172

r Revised. p 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 1938–45 data for the index of inventories for nonferrous metals and their products, see p. 22 of the August 1946 Survey.

† Revised series. For revisions for the indicated unadjusted indexes and all seasonally adjusted indexes shown above for the industrial production series, see pp. 18–20 of the December 1943 Survey. Seasonal adjustment factors for a number of industries included in the industrial production series shown in the Survey were fixed at 100 beginning various months from January 1939 to July 1942; data for these industries are shown only in the unadjusted series as the "adjusted" indexes are the same as the unadjusted. Data for 1939–44 for the revised indexes of new orders and shipments, except combined indexes for machinery, are shown on p. 23 of the July 1946 Survey, and combined indexes for machinery for these series and for inventories for 1938–45 are on p. 22 of the August 1946 issue; revised figures through August 1945 for inventories of "other durable goods industries," superseding figures in the August 1946 Survey, will be published later.

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

BUSINESS INDEXES—Continued

	June 1947	June	July	August	September	October	November	December	January	February	March	April	May
MANUFACTURERS' ORDERS, SHIPMENTS, AND INVENTORIES, (VALUE)—Continued													
Inventories—Continued.													
Index—Continued.													
Nondurable goods ... avg. month 1939=100		158	169	173	176	184	187	190	195	197	199	r 203	203
Chemicals and allied products ... do		166	170	171	174	180	185	195	199	204	211	222	228
Food and kindred products ... do		150	180	183	184	195	199	202	206	203	202	201	199
Paper and allied products ... do		164	171	178	181	183	183	185	187	192	196	r 201	206
Petroleum refining ... do		118	120	124	129	132	134	133	134	133	136	139	142
Rubber products ... do		192	195	198	204	212	215	216	238	250	262	273	
Textile-mill products ... do		156	164	168	171	174	173	174	177	178	183	r 188	188
Other nondurable goods industries† ... do		176	182	186	189	200	207	208	217	221	222	223	222
Estimated value of manufacturers' inventories* ... mil. of dol.		17,175	18,010	18,466	18,886	19,533	19,896	20,259	20,805	21,176	21,612	22,061	22,408
NEW PLANT AND EQUIPMENT EXPENDITURES*													
All industries, total ... mil. of dol.	3,670	2,790			3,310			3,730			3,160		
Electric and gas utilities ... do	410	230			280			360			330		
Manufacturing and mining ... do	1,850	1,530			1,810			1,920			1,600		
Railroad ... do	240	130			160			180			160		
Commercial and miscellaneous ... do	1,160	910			1,070			1,280			1,080		

BUSINESS POPULATION

	June 1947	June	July	August	September	October	November	December	January	February	March	April	May
OPERATING BUSINESSES AND BUSINESS TURN-OVER*													
(U. S. Department of Commerce)													
Operating businesses, total, end of quarter ... thousands		3,494.7			3,595.3			p 3,644.6					
Contract construction ... do		232.2			241.9			p 247.9					
Manufacturing ... do		287.8			298.8			p 307.8					
Retail trade ... do		1,614.5			1,661.8			p 1,674.1					
Wholesale trade ... do		160.1			165.7			p 169.0					
Service industries ... do		661.2			681.9			p 696.6					
All other ... do		538.8			545.1			p 549.2					
New businesses, quarterly ... do		168.7			146.8			p 103.5					
Discontinued businesses, quarterly ... do		43.1			46.3			p 54.2					
Business transfers, quarterly ... do		103.3			108.3			88.5					
INDUSTRIAL AND COMMERCIAL FAILURES													
(Dun and Bradstreet)													
Grand total ... number		69	74	92	96	123	104	141	202	238	254	277	378
Commercial service ... do		3	7	12	11	11	13	14	17	22	21	23	33
Construction ... do		13	9	12	17	14	9	18	15	20	13	16	20
Manufacturing and mining ... do		25	36	37	32	60	38	58	67	92	108	117	155
Retail trade ... do		24	17	26	28	21	36	35	76	70	88	84	119
Wholesale trade ... do		4	5	5	8	17	8	16	27	34	24	37	51
Liabilities, grand total ... thous. of dol.		3,006	3,434	3,799	4,877	6,400	12,511	17,105	15,193	12,976	15,251	16,080	17,326
Commercial service ... do		7	413	459	311	147	3,202	801	582	651	758	1,015	739
Construction ... do		262	162	516	1,368	500	136	266	575	766	341	247	321
Manufacturing and mining ... do		1,996	1,948	2,113	2,510	4,975	8,492	7,217	11,020	7,654	11,336	11,822	10,971
Retail trade ... do		661	835	297	367	352	392	1,025	1,674	1,396	1,169	1,503	3,037
Wholesale trade ... do		80	76	414	321	426	289	7,796	1,342	2,509	1,647	1,493	2,258
BUSINESS INCORPORATIONS													
New incorporations (4 states) ... number	2,893	4,388	3,946	3,550	3,399	3,771	3,068	3,561	4,202	3,018	3,299	2,996	2,870

COMMODITY PRICES

	June 1947	June	July	August	September	October	November	December	January	February	March	April	May
PRICES RECEIVED AND PAID BY FARMERS													
U. S. Department of Agriculture													
Prices received, all farm products† ... 1909–14=100	271	218	244	249	243	273	263	264	260	262	280	276	272
Crops ... do	262	223	240	233	236	244	230	232	236	245	266	269	268
Food grain ... do	253	200	215	203	207	218	220	224	223	235	283	277	276
Feed grain and hay ... do	240	195	244	225	221	222	187	186	184	185	212	223	218
Tobacco ... do	390	370	369	388	396	410	399	406	399	390	390	387	390
Cotton ... do	275	210	249	271	285	304	236	242	240	246	257	260	270
Fruit ... do	228	261	249	203	210	208	186	211	196	203	215	223	222
Truck crops ... do	215	185	163	162	154	151	207	166	238	275	299	295	286
Oil-bearing crops ... do	318	219	242	242	236	255	342	334	336	334	360	358	326
Livestock and products ... do	278	213	247	263	250	299	294	294	281	278	292	282	275
Meat animals ... do	338	230	268	294	249	318	313	311	306	319	345	331	327
Dairy products ... do	233	207	245	257	271	300	307	312	292	270	269	257	241
Poultry and eggs ... do	205	178	196	199	221	257	230	226	201	192	199	204	203
Prices paid:*													
All commodities ... 1910–14=100	244	196	209	214	210	218	224	225	227	234	240	243	242
Commodities used in living ... do	252	201	214	221	217	231	239	239	242	248	252	255	254
Commodities used in production ... do	233	190	202	204	200	202	204	207	207	215	224	227	226
All commodities, interest and taxes ... do	231	188	199	204	200	207	212	213	215	221	227	230	229
Parity ratio* ... do	117	116	123	123	122	132	124	124	121	119	123	120	119

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*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 prior to 1945 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. The series on new plant and equipment expenditures are compiled by the *Securities and Exchange Commission* and the *U. S. Department of Commerce* and are estimated quarterly totals for all private industry, excluding agriculture, based on reports from a sample including most of the corporations registered with the Commission and a large sample of unregistered manufacturing companies; data are reported actual expenditures. The series on prices paid by farmers and the parity ratio are from the U. S. Department of Agriculture; the latter is the ratio of prices received by farmers to prices paid, interest and taxes; data for 1913-45 will be shown later.

†Revised series. Revised figures for 1938-August 1945 for inventories of "other nondurable goods industries" will be shown later. Indexes of prices received by farmers for 1913-45 are shown on pp. 17-19 of the April 1947 Survey; data for July 15, 1947, are as follows: Total 276; crops, 263; food grain, 251; feed grain and hay, 253; tobacco, 390; cotton, 289; fruit, 215; truck crops, 189; oil-bearing crops, 314; livestock and products, 286; meat animals, 343; dairy, 244; poultry and eggs, 220.

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

COMMODITY PRICES—Continued

RETAIL PRICES													
Consumers' price index:§													
National Industrial Conference Board:‡													
Combined index.....1923=100		108.2			114.7			123.2			124.9		
Clothing.....do		96.4			99.7			105.8			108.3		
Food.....do		116.2			131.4			149.3			152.3		
Fuel and light.....do		97.3			99.9			100.3			101.5		
Housing.....do		91.0			91.0			91.0			91.0		
Sundries.....do		117.6			120.2			125.9			126.9		
U. S. Department of Labor:													
Combined index.....1935-39=100	p 157.0	133.3	141.2	144.1	145.9	148.6	152.2	153.3	153.3	153.2	156.3	156.1	155.8
Clothing.....do		157.2	158.7	161.2	165.9	168.1	171.0	176.5	179.0	181.5	184.3	184.6	184.4
Food.....do	190.5	145.6	165.7	171.2	174.1	180.0	187.7	185.9	183.8	182.3	189.5	188.0	187.6
Cereals and bakery products*.....do	154.6	122.1	126.1	135.4	137.3	138.5	140.6	141.6	143.4	144.1	148.1	153.4	154.2
Dairy products*.....do	171.5	147.8	179.1	180.1	186.6	202.4	198.5	200.9	190.1	183.2	187.5	178.9	171.5
Fruits and vegetables*.....do	205.0	183.5	188.4	178.3	176.4	176.5	184.5	185.0	187.9	191.7	199.6	200.4	207.0
Meats* ●.....do	216.9	134.0	173.7	186.6	188.5	190.7	203.6	197.8	199.0	196.7	207.6	202.6	203.9
Fuel, electricity, and ice.....do		110.5	113.3	113.7	114.4	114.4	114.8	115.5	117.3	117.5	117.6	118.4	117.6
Gas and electricity*.....do		92.1	92.1	91.8	91.7	91.6	91.8	92.0	91.9	92.2	92.2	92.5	92.4
Other fuels and ice*.....do		128.4	133.8	135.0	136.5	136.6	137.2	138.3	142.1	142.3	142.5	143.7	142.2
Housefurnishings.....do		156.1	157.9	160.0	165.6	168.5	171.0	177.1	179.1	180.8	182.3	182.4	181.6
Rent ¶.....do		108.5		108.7	108.8				108.8	108.9	109.0	109.0	109.2
Miscellaneous.....do		127.9	128.2	129.8	129.9	131.0	132.5	136.1	137.1	137.4	138.2	139.1	138.7
U. S. Department of Commerce index:													
All commodities*.....1935-39=100	178.8	147.7	156.3	159.8	164.3	167.2	171.5	172.7	172.7	172.7	177.2	177.2	177.1
U. S. Department of Labor indexes:													
Anthracite.....1923-25=100	116.8	108.8	117.9	118.0	119.8	119.6	119.6	119.6	121.6	121.6	121.6	121.5	116.8
Bituminous coal.....do	123.6	111.0	114.3	114.4	116.2	116.4	116.5	117.6	121.9	122.2	122.3	122.5	123.4
Fairchild's index:													
Combined index.....Dec. 31, 1930=100	123.7	114.7	115.1	116.0	116.7	117.8	119.0	120.7	122.1	122.9	123.5	123.9	123.8
Apparel:													
Infants'.....do	121.7	108.1	108.2	109.1	110.3	110.4	111.3	117.2	118.4	120.0	120.9	121.2	121.8
Men's.....do	121.4	106.2	106.6	108.0	109.1	110.0	111.5	114.8	117.7	119.3	121.1	121.5	121.5
Women's.....do	120.4	115.0	115.7	116.6	117.5	118.2	118.3	118.5	119.5	120.1	120.2	120.6	120.6
Home furnishings.....do	130.7	117.2	117.4	118.7	119.8	121.3	124.3	126.4	127.9	129.1	129.9	130.4	130.5
Piece goods.....do	120.1	113.3	113.3	113.5	113.9	114.3	116.1	118.2	117.5	120.2	121.4	120.5	120.0
WHOLESALE PRICES													
U. S. Department of Labor indexes:													
Combined index (889 series)♂.....1926=100	147.8	112.9	124.7	129.1	124.0	134.1	139.7	140.9	141.5	144.5	149.5	147.7	146.9
Economic classes:													
Manufactured products♂.....do	142.3	107.3	118.9	123.9	117.2	129.6	134.7	135.7	136.7	139.7	143.3	141.9	141.7
Raw materials.....do	160.2	126.3	141.7	145.7	141.4	148.7	153.4	153.2	152.1	154.9	163.2	160.1	158.6
Semimanufactured articles.....do	144.2	105.7	110.2	111.9	115.0	118.2	129.1	136.2	138.8	142.1	145.9	144.5	143.2
Farm products.....do	177.9	140.1	157.0	161.0	154.3	165.3	169.8	168.1	165.0	170.4	182.6	177.0	175.7
Grains.....do	206.0	151.8	181.4	169.0	170.6	174.2	165.4	163.0	162.6	171.1	203.3	199.8	202.4
Livestock and poultry.....do	200.9	137.4	162.9	177.6	150.4	174.6	197.4	194.7	189.6	201.5	216.0	199.2	198.7
Commodities other than farm products♂.....do	141.0	106.7	117.5	121.9	117.2	127.1	132.9	134.8	136.1	138.6	142.1	141.0	140.4
Foods.....do	161.8	112.9	140.2	149.0	131.9	157.9	165.4	160.1	156.2	162.0	167.6	162.4	159.8
Cereal products.....do	149.2	101.7	124.9	124.7	127.4	128.5	136.1	139.5	139.9	141.3	150.4	154.1	151.7
Dairy products.....do	140.9	127.3	156.9	161.8	169.1	185.5	182.9	180.0	164.6	161.8	157.6	148.8	138.8
Fruits and vegetables.....do	145.2	136.1	130.0	120.4	115.5	122.5	139.5	134.5	131.6	134.2	141.5	142.2	144.3
Meats.....do	208.6	110.1	169.9	198.1	131.3	191.4	202.8	188.2	183.4	199.5	207.3	196.7	203.0
Commodities other than farm products and foods ♂.....1926=100	131.8	105.6	109.5	111.6	112.2	115.8	120.7	124.7	127.6	128.5	131.1	131.8	131.7
Building materials.....do	175.2	129.9	132.1	132.7	133.8	134.8	145.5	157.8	169.7	174.8	177.5	178.8	177.0
Brick and tile.....do	134.7	121.3	122.5	126.0	127.8	127.8	129.1	130.0	132.2	132.3	132.4	134.5	134.5
Cement.....do	114.3	102.6	104.0	105.8	106.5	106.5	107.0	106.9	108.3	109.9	112.3	114.0	114.0
Lumber.....do	266.1	176.0	177.3	177.6	178.2	178.9	192.1	227.2	249.9	263.6	269.3	273.5	269.4
Paint and paint materials.....do	163.9	108.6	114.9	113.9	116.7	119.2	151.3	155.4	171.2	173.9	176.1	175.5	169.2
Chemicals and allied products†.....do	120.2	96.4	99.3	98.4	98.4	99.9	118.9	125.7	128.1	129.3	132.2	133.2	127.1
Chemicals.....do	118.7	98.0	98.5	98.4	98.6	98.8	106.9	111.8	112.7	113.8	114.5	119.5	118.7
Drug and pharmaceutical materials†.....do	156.1	109.4	112.6	110.1	110.3	111.5	152.8	181.2	181.7	182.5	182.7	181.0	173.6
Fertilizer materials.....do	101.8	82.7	88.2	94.4	90.2	91.9	96.3	95.1	99.9	99.2	101.8	101.2	102.5
Oils and fats.....do	139.2	102.1	114.2	102.5	103.3	111.1	191.0	203.0	210.6	214.3	231.5	220.1	179.9
Fuel and lighting materials.....do	103.9	87.8	90.3	94.4	94.3	94.2	94.5	96.1	97.7	97.9	100.7	103.4	103.3
Electricity.....do		67.2	65.6	63.9	64.7	64.1	65.2	65.8	64.9	65.7	64.3	64.3	
Gas.....do		79.6	80.7	79.5	80.6	80.8	84.4	83.1	80.8	84.3	84.9	84.0	85.0
Petroleum products.....do	87.5	64.0	65.1	72.8	73.0	73.1	73.4	75.8	76.5	76.6	81.7	86.3	86.8
Hides and leather products.....do	168.0	122.4	141.2	138.9	141.6	142.4	172.5	176.7	175.1	173.8	174.6	166.4	165.6
Hides and skins.....do	187.1	121.5	169.3	155.8	151.5	153.0	221.0	216.5	198.5	191.4	192.2	178.1	177.7
Leather.....do	157.1	110.7	133.2	133.3	138.5	138.5	178.1	185.0	181.6	181.1	183.7	158.0	154.5
Shoes.....do	172.6	129.5	140.4	140.1	144.8	145.2	162.9	169.9	170.6	171.5	171.5	172.1	172.2
Housefurnishing goods.....do	129.2	110.4	111.9	112.6	113.6	115.3	118.2	120.2	123.3	124.6	125.8	127.4	128.8
Furnishings.....do	137.2	114.5	117.3	118.5	119.4	121.3	124.4	126.3	128.4	129.6	131.4	134.4	136.9
Furniture.....do	120.9	106.1	106.4	106.6	107.5	109.2	111.8	113.9	118.2	119.5	120.0	120.0	120.3
Metals and metal products♂.....do	142.6	112.2	113.3	114.0	114.2	125.8	130.2	134.7	138.0	137.9	139.9	140.3	141.4
Iron and steel.....do	131.4	110.1	111.3	113.3	113.5	113.7	114.0	117.4	123.9	125.0	126.9	127.6	128.6
Metals, nonferrous.....do	142.9	99.2	102.7	101.4	101.4	101.8	118.4	129.3	130.5	131.3	139.0	141.0	143.9
Plumbing and heating equipment.....do	119.1	106.0	106.0	106.3	107.2	107.2	107.2	114.9	117.0	117.1	117.9	118.2	120.0
Textile products.....do	138.9	109.2	118.1	124.0	125.7	128.6	131.6	134.7	136.6	138.0	139.6	139.2	138.9
Clothing.....do	133.9	120.3	120.5	122.8	122.9	125.5	127.9	129.8	132.4	132.7	133.0	133.0	133.9
Cotton goods.....do	193.8	139.4	148.6	160.0	166.6	172.9	174.7	181.6	184.6	193.7	196.6	194.7	193.0
Hosiery and underwear.....do	100.8	75.8	76.3	87.7	88.7	88.8	89.3	96.9	99.3	100.0	100.8	100.8	100.8
Rayon.....do	37.0	30.2	30.2	30.2	30.2	30.2	32.0	33.8	33.8	37.0	37.0	37.0	37.0
Silk.....do	68.4	(1)	126.7	134.8	126.5	125.7	115.0	103.2	101.2	80.2	73.2	69.4	67.9
Woolen and worsted goods.....do	129.2	112.7	112.7	112.8	113.9	116.6	117.7	119.0	120.8	121.9	127.5	129.1	129.2
Miscellaneous.....do	115.8	98.5	101.3	102.0	102.1	104.0	106.5	108.9	110.3	110.9	115.3	115.7	116.1
Automobile tires and tubes.....do	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
Paper and pulp.....do	154.2	115.6	117.1	119.6	121.9	124.6	127.7	136.4	141.9	143.4	145.1	152.5	154.3
Wholesale prices, actual. (See respective commodities.)													

r Revised. p Preliminary. [1] Not available. §Formerly designated "cost of living index." ‡For revised 1943 data see p. 20, of April 1946 Survey.

♂Current prices of motor vehicles were introduced into the calculation beginning October 1946: April 1942 prices were carried forward in earlier computations (see explanation in January 1947 Survey); if April 1942 prices had been used in October 1946-June 1947 calculations, indexes would have been as follows: All commodities, 132.5, 137.9, 139.0, 139.5, 142.6, 147.6, 145.8, 145.0, 145.9; manufactured products, 127.0, 131.7, 132.5, 133.5, 136.7, 140.2, 138.9; 138.7, 139.2; commodities other than farm products, 125.1, 130.7, 132.4, 133.7, 136.3, 139.8, 138.8, 138.1, 138.7; commodities other than farm products and foods, 113.2, 117.8, 121.6, 124.4, 125.5, 128.1 128.9, 128.7, 128.8; metals and metal products, 114.3, 117.0, 120.5, 123.7, 124.3, 126.3, 126.9, 127.8, 129.0.

● In May, June, September and October 1946, it was impossible to obtain adequate samples for some meats in a number of cities; in such cases, the latest available prices were carried forward in the index; July index reflects full price change from mid-April and November index, full price change from mid-August.

¶ Data for 1947 are estimated, based on a survey of rents in 5 cities in January and 6 in February, March, April and May; see note in February 1947 issue regarding earlier data.

*New series. For a description of the Department of Commerce index of retail prices of all commodities, see p. 28 of the August 1943 Survey; and for revised figures for 1929, 1933 and 1935-44, p. 31 of February 1946 Survey. Data for 1923-45 for the indexes of retail prices of the food sub-groups are shown on p. 16 of the November 1946 Survey. Data beginning 1935 for the indexes of retail prices of "gas and electricity" and "other fuels and ice" will be published later.

†Revised series. For revised data for 1941-43 for the indicated series on wholesale prices, see p. 23 of the November 1945 Survey.

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1947	1946							1947				
	June	June	July	August	September	October	November	December	January	February	March	April	May
COMMODITY PRICES—Continued													
PURCHASING POWER OF THE DOLLAR													
As measured by—													
Wholesale prices ...1935-39=100	54.1	71.3	64.8	62.3	64.8	60.0	57.6	57.1	56.9	55.7	53.8	54.5	54.9
Consumers' prices ...do	p 63.7	75.0	70.9	69.6	68.5	67.4	65.9	65.2	65.2	65.3	64.0	64.1	64.2
Retail food prices ...do	p 52.4	68.6	60.3	58.3	57.3	55.5	53.2	53.7	54.3	54.8	52.7	53.1	53.2
Prices received by farmers† ...do	39.3	48.9	43.6	42.8	43.8	39.0	40.4	40.3	41.0	40.7	38.0	38.5	39.2
CONSTRUCTION AND REAL ESTATE													
CONSTRUCTION ACTIVITY*													
New construction, total ...mil. of dol	1,062	r 871	r 982	r 1,056	r 1,066	r 1,070	r 987	r 905	839	795	826	876	958
Private, total ...do	788	699	r 767	r 809	r 800	r 788	r 745	r 711	666	634	648	662	717
Residential (nonfarm) ...do	369	r 284	r 324	r 347	r 356	r 347	r 335	r 320	300	284	285	306	339
Nonresidential building, except farm and public utility, total ...mil. of dol	252	304	317	321	315	318	308	296	275	260	247	240	243
Industrial ...do	137	138	149	159	167	171	171	166	159	152	146	142	139
Farm construction ...do	50	40	50	60	50	40	20	10	10	10	20	30	40
Public utility ...do	117	71	76	81	79	83	82	85	81	80	96	86	95
Public construction, total ...do	274	172	215	247	266	282	242	194	173	161	178	214	241
Residential ...do	8	23	32	42	54	66	68	51	39	33	24	16	10
Military and naval ...do	16	14	14	18	16	20	17	16	12	12	12	15	15
Nonresidential building, total ...do	45	26	30	32	35	32	27	23	33	32	36	41	43
Industrial ...do	3	6	6	7	9	9	7	5	5	3	3	4	3
Highway ...do	125	63	81	91	93	99	76	57	37	34	48	75	100
All other ...do	80	46	58	64	68	65	54	47	52	50	58	67	73
CONTRACT AWARDS, PERMITS, AND DWELLING UNITS PROVIDED													
Value of contracts awarded (F. R. indexes):													
Total, unadjusted ...1923-25=100	p 157	201	179	164	152	138	125	125	120	131	133	152	r 153
Residential, unadjusted ...do	p 125	195	162	155	147	136	118	122	119	135	135	144	r 130
Total, adjusted ...do	p 135	174	165	158	151	145	139	154	146	151	132	133	r 127
Residential, adjusted ...do	p 113	177	161	157	147	140	122	143	144	152	129	123	r 110
Contract awards, 37 States (F. W. Dodge Corp.):													
Total projects ...number	24,044	48,265	36,523	40,101	36,902	33,342	27,149	25,536	27,619	24,321	32,268	29,957	r 27,769
Total valuation ...thous. of dol	605,070	807,914	717,991	679,909	619,857	573,206	503,745	457,278	571,628	442,197	596,755	602,338	r 674,657
Public ownership ...do	226,471	214,534	201,645	204,817	186,882	133,806	130,329	108,920	166,672	95,770	143,316	177,272	r 233,873
Private ownership ...do	378,599	593,380	516,346	475,092	432,975	439,400	373,416	348,358	404,956	346,427	453,439	425,066	440,784
Nonresidential buildings:													
Projects ...number	4,355	4,357	3,582	4,108	3,648	3,696	3,609	2,857	3,096	3,006	3,670	3,905	4,554
Floor area ...thous. of sq. ft	27,561	41,370	42,457	33,080	25,929	33,932	23,708	19,656	25,700	21,488	22,242	26,034	30,238
Valuation ...thous. of dol	209,942	273,207	283,635	211,530	169,627	225,355	160,871	148,014	200,312	143,258	191,903	184,317	235,899
Residential buildings:													
Projects ...number	17,604	41,574	31,112	33,727	31,458	28,128	22,251	21,704	23,593	20,440	21,414	24,284	21,255
Floor area ...thous. of sq. ft	29,213	51,533	45,327	45,145	47,121	36,910	33,530	29,975	39,279	32,469	42,991	39,006	42,672
Valuation ...thous. of dol	209,458	332,248	281,227	284,025	293,831	235,068	221,113	193,365	257,419	208,391	282,881	256,668	254,085
Public works:													
Projects ...number	1,744	1,950	1,537	2,008	1,557	1,271	1,018	746	681	665	918	1,509	r 1,607
Valuation ...thous. of dol	142,495	154,009	121,149	153,456	107,941	75,535	82,626	62,652	80,721	59,806	77,926	123,249	r 119,713
Utilities:													
Projects ...number	341	384	292	258	239	247	271	229	249	210	266	259	353
Valuation ...thous. of dol	43,175	48,450	31,980	30,898	48,458	37,248	39,135	53,247	33,176	30,742	44,045	38,104	64,960
Indexes of building construction, based on building permits (U. S. Dept. of Labor): †													
Number of new dwelling units provided ...1935-39=100	271.1	r 300.2	283.7	317.6	248.3	215.7	165.3	123.2	146.4	156.1	217.1	247.2	237.2
Permit valuation:													
Total building construction ...do	271.4	r 235.2	218.7	235.4	194.6	191.4	153.2	129.4	151.8	158.3	218.5	251.6	244.2
New residential buildings ...do	387.8	r 360.4	321.2	378.7	288.0	286.2	222.5	162.0	196.7	207.6	308.8	359.1	338.5
New nonresidential buildings ...do	172.6	r 137.0	135.8	119.4	115.9	108.4	99.2	97.0	107.7	111.5	141.8	159 4	163.5
Additions, alterations, and repairs ...do	265.7	r 207.6	203.1	215.9	188.4	192.9	137.3	140.0	164.8	168.9	214.1	248.7	241.4
Estimated number of new dwelling units scheduled to be started in nonfarm areas (U. S. Dept. of Labor):													
Total nonfarm* ...number	83,200	76,900	79,000	81,800	65,500	60,200	46,600	35,200	41,000	44,400	61,600	r 73,500	74,500
Urban, total † ...do	47,010	52,235	52,227	55,407	42,775	37,401	28,661	21,369	25,383	27,074	37,649	r 42,862	r 41,138
Privately financed, total ...do	46,005	38,130	37,966	38,660	35,044	36,067	28,539	21,369	24,299	27,074	37,158	r 42,534	r 41,138
1-family dwellings ...do	34,576	31,388	31,170	32,921	29,335	29,576	23,747	17,469	20,537	22,156	30,615	r 35,214	r 33,670
2-family dwellings ...do	3,542	2,156	1,980	1,943	2,050	1,899	1,594	977	1,496	1,615	2,448	r 3,142	r 3,085
Multifamily dwellings ...do	7,887	4,586	4,816	3,796	3,659	4,592	3,198	2,923	2,266	3,303	4,095	r 4,178	4,383
Publicly financed, total ...do	1,005	14,105	14,261	16,747	7,731	1,334	122	0	1,084	0	491	r 328	-------
Engineering construction:													
Contract awards (E. N. R.)§ ...thous. of dol	517,175	555,469	r 512,330	541,325	373,056	r 448,457	275,825	352,855	430,970	356,491	400,415,	454,471	514,343
HIGHWAY CONSTRUCTION													
Concrete pavement contract awards: ‡													
Total ...thous. of sq. yd	4,228	4,585	3,345	3,731	3,382	3,182	3,239	2,306	1,343	1,463	2,438	5,280	3,828
Airports ...do	212	747	385	66	490	104	138	55	26	1	52	513	35
Roads ...do	2,456	2,735	1,687	2,055	1,678	1,957	1,970	1,661	606	1,081	1,578	3,167	2,607
Streets and alleys ...do	1,560	1,103	1,274	1,609	1,214	1,121	1,130	590	711	382	808	1,600	r 1,186
CONSTRUCTION COST INDEXES													
Aberthaw (industrial building) ...1914=100	-------	270	-------	-------	287	-------	-------	300	-------	-------	304	-------	300
American Appraisal Co.:													
Average, 30 cities ...1913=100	427	317	326	335	342	347	352	371	381	390	404	414	419
Atlanta ...do	448	337	346	360	367	372	377	399	410	419	434	444	448
New York ...do	438	324	332	341	347	353	356	375	390	403	420	427	432
San Francisco ...do	396	294	308	313	317	320	323	343	353	364	379	390	392
St. Louis ...do	421	309	316	323	332	337	344	367	375	383	396	403	405

r Revised. p Preliminary. § Data for May, August, and October 1946 and January 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; revisions for 1946 not shown above (mil. of dol.): Total new construction—Jan., 469; Feb., 488; Mar., 567; Apr., 661; May, 768; private, total—Jan., 382; Feb., 409; Mar., 466; Apr., 541; May, 622; residential, (nonfarm)—Jan., 133; Feb., 138; Mar., 161; Apr., 198; May, 240.

† The index of purchasing power of the dollar based on prices received by farmers has been shown on a revised basis beginning in the April 1944 Survey. Revisions for the indexes of building construction for January 1940-December 1945 are available on request. 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 above 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	1947	1946							1947				
	June	June	July	August	September	October	November	December	January	February	March	April	May
CONSTRUCTION AND REAL ESTATE—Continued													
CONSTRUCTION COST INDEXES—Continued													
Associated General Contractors (all types)..1913=100..	294	252	258	263	267	267	270	275	277	280	282	286	290
E. H. Boeckh and Associates, Inc.:													
Apartments, hotels, and office buildings:													
Brick and concrete:													
Atlanta.....U. S. average, 1926-29=100..	160.3	138.6	141.2	142.6	143.0	144.0	144.9	145.7	148.8	153.4	154.4	155.1	155.4
New York.....do....	211.2	178.6	180.0	181.5	181.9	182.3	183.4	183.9	194.7	196.2	204.7	205.6	205.9
San Francisco.....do....	186.6	158.7	160.6	164.0	164.3	164.8	165.9	167.3	172.4	174.2	177.8	178.1	178.4
St. Louis.....do....	187.8	161.9	164.0	164.9	165.3	165.8	167.2	168.5	173.9	175.8	178.0	178.3	182.8
Commercial and factory buildings:													
Brick and concrete:													
Atlanta.....do....	159.6	137.0	141.3	144.4	144.7	146.0	146.6	147.1	149.9	152.0	153.5	154.1	154.3
New York.....do....	212.5	180.3	181.5	184.5	184.8	185.1	185.9	186.2	193.5	194.4	205.9	206.8	207.0
San Francisco.....do....	190.6	158.7	159.3	167.0	167.2	167.6	168.4	169.4	174.6	175.7	180.4	180.6	180.8
St. Louis.....do....	187.8	164.8	166.2	166.7	167.0	167.2	168.3	169.3	175.2	176.4	179.0	179.2	185.4
Brick and steel:													
Atlanta.....do....	158.8	135.5	137.5	141.8	142.2	142.7	143.9	145.8	148.8	153.1	153.5	154.2	154.4
New York.....do....	206.6	175.6	177.3	179.5	179.9	180.3	182.3	183.0	191.1	192.9	202.4	203.4	203.6
San Francisco.....do....	188.0	160.1	161.5	168.0	168.2	168.6	169.8	172.5	176.1	178.4	180.7	180.9	181.1
St. Louis.....do....	187.5	160.8	162.9	164.3	164.7	164.9	166.5	169.5	172.8	175.3	176.9	177.1	182.1
Residences:													
Brick:													
Atlanta.....do....	184.0	148.6	152.4	154.5	155.6	156.2	159.2	161.9	165.8	178.7	179.2	180.2	180.4
New York.....do....	223.4	181.3	185.6	187.1	188.0	188.9	192.6	195.4	204.7	211.2	217.6	219.1	219.3
San Francisco.....do....	195.1	159.0	163.5	165.8	166.0	166.4	169.6	173.2	177.0	185.6	188.6	188.8	189.0
St. Louis.....do....	205.6	167.8	172.5	173.7	174.6	174.9	178.9	183.4	187.6	196.9	199.1	199.3	202.2
Frame:													
Atlanta.....do....	187.9	150.2	153.3	155.4	156.5	157.0	160.8	164.2	166.8	182.9	183.3	183.9	184.1
New York.....do....	225.0	181.6	186.0	187.4	188.5	189.7	194.4	198.0	208.9	217.2	220.8	221.6	221.8
San Francisco.....do....	194.0	157.5	164.0	162.9	163.1	163.5	166.8	170.8	173.9	184.9	187.0	187.2	187.4
St. Louis.....do....	207.2	167.7	172.7	174.0	175.1	175.4	179.8	183.8	187.0	198.9	200.3	200.5	202.2
Engineering News Record:													
Building*.....1913=100..	304.9	267.3	272.3	272.4	273.0	274.0	278.8	289.1	297.7	298.8	300.8	299.6	303.1
Construction (all types).....do....	406.5	354.7	361.4	360.2	360.9	362.5	368.1	381.7	390.8	392.0	396.1	396.5	403.3
Federal Home Loan Bank Administration:													
Standard 6-room frame house:†													
Combined index.....1935-39=100..	--------	145.7	147.7	149.8	151.8	154.0	156.7	159.8	167.0	173.8	179.6	182.5	183.7
Materials.....do....	--------	141.6	143.7	146.1	148.0	150.3	153.6	158.6	168.2	177.6	185.6	188.8	189.1
Labor.....do....	--------	153.8	155.6	157.2	159.3	161.6	163.1	164.8	166.8	168.6	170.2	172.4	175.5
REAL ESTATE													
Fed. Hous. Admn., home mortgage insurance:													
Premium-paying mortgages (cumulative) mil. of dol..	7,217	6,721	6,759	6,789	6,818	6,855	6,885	6,921	6,959	6,995	7,036	7,087	7,147
Estimated total nonfarm mortgages recorded ($20,000 and under)*.....thous. of dol..	947,357	917,414	981,187	999,221	928,878	1,006,681	869,489	836,404	847,043	770,095	858,675	941,020	965,733
Estimated new mortgage loans by all savings and loan associations, total.....thou. of dol..	323,368	325,997	326,048	324,459	309,791	326,199	271,476	253,701	250,016	241,263	288,221	313,636	335,074
Classified according to purpose:													
Mortgage loans on homes:													
Construction.....do....	69,700	56,297	59,708	59,377	55,354	60,931	51,187	50,233	51,145	52,723	61,543	70,214	78,612
Home purchase.....do....	184,626	218,575	216,369	211,804	198,842	207,139	170,162	151,848	145,253	133,399	161,694	176,395	186,148
Refinancing.....do....	28,948	22,402	21,388	22,032	21,546	24,376	21,625	22,116	22,599	22,529	25,916	26,149	28,383
Repairs and reconditioning.....do....	11,963	6,625	7,327	8,481	8,027	9,061	7,034	6,040	6,795	7,091	9,665	10,788	11,558
Loans for all other purposes.....do....	28,131	22,098	21,256	22,765	26,022	24,692	21,468	23,464	24,204	25,521	29,403	30,090	30,373
Loans outstanding of agencies under the Federal Home Loan Bank Administration:													
Federal Savings and Loan Associations, estimated mortgages outstanding‡.....mil. of dol..	3,762	2,887	--------	--------	3,152	--------	--------	3,358	--------	--------	3,526	--------	--------
Federal Home Loan Banks, outstanding advances to member institutions.....mil. of dol..	289	203	202	214	235	253	258	293	251	242	236	245	257
Home Owners' Loan Corporation, balance of loans outstanding.....mil. of dol..	557	735	715	699	682	665	651	636	621	609	596	582	570
Foreclosures, nonfarm, index, adjusted†.1935-39=100..	--------	6.7	6.3	6.8	7.0	7.4	9.7	8.6	r 8.6	8.5	9.3	--------	--------
Fire losses.....thous. of dol..	50,840	44,240	40,998	40,019	40,256	40,108	44,706	58,094	57,180	64,247	72,435	68,029	56,545
DOMESTIC TRADE													
ADVERTISING													
Advertising indexes, adjusted:†													
Printers' Ink, combined index.....1935-39=100..	--------	156.8	177.1	184.5	171.9	163.5	167.2	160.6	--------	--------	--------	--------	--------
Farm papers.....do....	--------	167.7	184.2	182.8	200.9	195.7	212.7	201.9	--------	--------	--------	--------	--------
Magazines.....do....	--------	191.3	228.7	237.7	214.1	218.8	201.6	202.9	--------	--------	--------	--------	--------
Newspapers.....do....	--------	125.9	145.9	153.0	139.5	134.4	138.1	131.5	--------	--------	--------	--------	--------
Outdoor.....do....	--------	193.9	199.9	213.8	217.7	212.3	233.3	237.5	--------	--------	--------	--------	--------
Radio.....do....	--------	313.2	307.0	307.8	317.1	264.0	275.5	268.0	--------	--------	--------	--------	--------
Tide, combined index*.....do....	--------	171.9	193.9	207.6	202.0	189.1	195.6	189.9	205.7	201.0	194.2	197.1	196.2
Radio advertising:													
Cost of facilities, total.....thous. of dol..	15,023	15,827	14,414	14,011	15,133	16,741	16,338	16,800	16,548	15,102	16,728	15,548	16,009
Automobiles and accessories.....do....	505	771	660	559	666	622	654	731	670	629	740	595	573
Clothing.....do....	100	196	91	95	80	84	105	112	100	99	123	98	111
Electrical household equipment.....do....	275	323	327	332	266	254	268	252	273	224	249	284	301
Financial.....do....	400	376	351	350	356	364	387	428	444	458	532	508	412
Foods, food beverages, confections.....do....	3,878	4,114	3,637	3,554	3,927	4,512	4,396	4,379	4,357	3,924	4,344	4,049	4,120
Gasoline and oil.....do....	499	505	508	503	536	520	530	583	546	507	541	467	499
Housefurnishings, etc.....do....	167	163	154	177	168	168	159	165	169	153	175	155	177
Soap, cleansers, etc.....do....	169	1,449	1,314	1,332	1,375	1,575	1,490	1,574	1,642	1,555	1,685	1,729	1,762
Smoking materials.....do....	1,433	1,268	1,337	1,267	1,219	1,407	1,373	1,390	1,355	1,257	1,397	1,308	1,433
Toilet goods, medical supplies.....do....	4,462	4,907	4,714	4,525	5,004	5,306	5,123	5,316	5,148	4,568	5,007	4,714	4,744
All other.....do....	1,613	1,755	1,320	1,316	1,536	1,929	1,855	1,870	1,845	1,726	1,934	1,641	1,877

r Revised. ‡Minor revisions for January 1939-July 1942 are available on request.

New series. For a description of the series on nonfarm mortgages recorded and data for January 1939 to September 1942 see p. S-5 of the November 1942 Survey. 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. See note in the February 1947 Survey regarding the Engineering News Record index of building cost; 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 revised recently. This revised series will be substituted for indexes shown above when complete data are received. The indexes of cost of the standard 6-room frame house are shown on a revised basis beginning in the April 1946 Survey; revision beginning November 1935 will be published later.

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1947 June	1946 June	1946 July	1946 August	1946 September	1946 October	1946 November	1946 December	1947 January	1947 February	1947 March	1947 April	1947 May
DOMESTIC TRADE—Continued													
ADVERTISING—Continued													
Magazine advertising:													
Cost, total ... thous. of dol.		32,360	25,106	27,134	36,506	39,463	42,565	36,232	23,963	32,109	42,617	40,816	42,801
Automobiles and accessories ... do		2,297	2,034	2,186	2,425	2,503	2,755	1,499	1,383	1,576	2,325	2,262	2,601
Clothing ... do		2,448	1,215	2,936	4,883	4,831	4,449	3,456	1,826	3,345	5,277	4,663	4,661
Electric household equipment ... do		782	549	638	1,145	1,161	1,315	1,080	466	740	1,169	1,288	1,541
Financial ... do		580	564	478	695	629	745	608	505	566	666	659	698
Foods, food beverages, confections ... do		3,919	3,298	2,907	3,660	4,394	4,993	4,172	3,931	5,033	6,068	4,926	5,246
Gasoline and oil ... do		589	557	638	526	715	716	218	160	250	536	600	627
Housefurnishings, etc ... do		1,980	1,138	1,180	2,426	2,772	2,753	2,408	1,147	1,641	2,687	3,292	3,530
Soap, cleansers, etc ... do		793	481	476	674	779	667	455	407	760	916	1,016	1,182
Office furnishing and supplies ... do		790	406	554	1,053	896	1,025	992	369	551	863	624	995
Smoking materials ... do		808	546	604	916	1,095	1,252	1,277	920	829	1,069	887	860
Toilet goods, medical supplies ... do		5,879	4,608	4,208	5,226	6,172	6,694	5,779	3,411	5,137	6,086	5,924	6,120
All other ... do		11,285	9,710	10,328	12,876	13,515	15,199	14,287	9,438	11,683	14,956	14,677	14,740
Linage, total ... thous. of lines	3,413	3,757	3,870	4,704	5,308	5,420	5,213	3,783	3,952	4,580	5,102	4,703	4,332
Newspaper advertising:													
Linage, total (52 cities) ... do	163,130	137,718	131,280	144,288	152,871	165,014	164,120	163,257	139,894	139,993	167,384	168,445	172,376
Classified ... do	39,341	34,502	35,983	38,643	39,018	39,628	36,772	34,404	36,223	34,588	39,437	39,580	41,301
Display, total ... do	123,789	103,216	95,296	105,645	113,853	125,386	127,348	128,853	103,671	105,405	127,948	128,865	131,075
Automotive ... do	7,014	3,714	3,644	4,046	3,495	4,480	4,675	3,415	3,556	4,097	5,537	6,473	6,512
Financial ... do	1,933	2,138	2,584	1,931	1,877	2,197	2,025	1,894	2,511	1,767	2,157	2,008	1,950
General ... do	26,011	21,371	19,973	19,378	22,067	27,207	26,596	22,388	19,895	22,323	27,163	28,100	28,210
Retail ... do	88,831	75,993	69,095	80,290	86,414	91,502	94,052	101,155	77,709	77,218	93,090	92,283	94,403
GOODS IN WAREHOUSES													
Space occupied in public-merchandise warehouses § percent of total	85.1	85.2	85.1	85.5	87.0	87.6	88.2	88.8	89.6	88.8	88.9	88.7	89.2
POSTAL BUSINESS													
Money orders:													
Domestic, issued (50 cities):													
Number ... thousands		4,408	4,444	4,330	4,167	4,575	4,253	4,447	4,477	4,147	4,863	4,579	4,280
Value ... thous. of dol.		98,557	101,857	101,735	101,169	107,822	95,112	93,691	95,899	90,036	108,862	97,079	89,824
Domestic, paid (50 cities):													
Number ... thousands		13,343	13,217	13,690	13,125	15,649	14,042	13,932	14,086	12,691	14,755	14,651	13,771
Value ... thous. of dol.		175,987	181,229	192,319	185,779	219,270	193,807	189,903	193,877	186,444	210,579	195,527	188,244
CONSUMER EXPENDITURES													
Estimated expenditures for goods and services:*													
Quarterly totals, seasonally adjusted, at annual rate:													
Total expenditures ... bil. of dol.	159.0	138.2			147.3			154.9			156.8		
Durable commodities ... do	20.0	13.9			16.2			18.2			19.0		
Nondurable commodities ... do	95.0	83.2			88.9			93.6			94.0		
Services ... do	44.0	41.2			42.1			43.1			43.8		
RETAIL TRADE													
All retail stores:†													
Estimated sales, total ... mil. of dol.	8,765	7,736	7,671	8,556	8,199	8,911	9,086	10,282	7,838	7,464	8,746	8,822	r 9,280
Durable goods store ... do	2,077	1,554	1,611	1,770	1,722	1,921	1,854	2,054	1,620	1,584	1,860	1,988	2,102
Automotive group ... do	833	551	609	691	682	753	730	742	696	681	799	828	835
Motor vehicles ... do	703	426	484	560	562	621	598	586	589	582	683	710	706
Parts and acessories ... do	130	125	125	132	120	132	132	155	107	99	116	118	129
Building materials and hardware ... do	669	516	541	571	545	602	540	535	476	460	552	635	r 674
Building materials ... do	425	312	336	362	349	381	330	306	304	293	343	394	414
Farm implements ... do	77	57	62	58	52	64	56	50	51	50	66	78	79
Hardware ... do	167	147	142	151	143	158	154	180	120	117	143	164	182
Homefurnishings group ... do	479	386	377	418	410	471	468	532	377	373	429	444	r 496
Furniture and housefurnishings ... do	313	275	259	285	281	317	317	357	240	240	283	293	331
Household appliance and radios ... do	166	111	118	132	129	154	151	175	137	132	146	150	164
Jewelry stores ... do	96	101	84	91	86	96	116	245	71	71	79	81	97
Nondurable goods stores ... do	6,688	6,181	6,060	6,786	6,476	6,990	7,232	8,229	6,218	5,880	6,886	6,834	r 7,178
Apparel group ... do	717	731	555	719	791	856	858	1,089	610	549	806	775	r 786
Men's clothing and furnishings ... do	192	186	131	166	195	222	237	316	145	133	192	185	r 194
Women's apparel and accessories ... do	295	312	244	322	355	377	364	454	280	250	375	352	r 348
Family and other apparel ... do	97	101	80	105	111	123	129	162	88	78	108	101	104
Shoes ... do	133	132	100	127	130	134	127	158	98	88	131	137	139
Drug stores ... do	288	296	293	300	287	298	300	395	286	275	302	289	303
Eating and drinking places ... do	996	1,009	1,024	1,073	1,054	1,072	1,011	1,015	961	861	960	978	1,036
Food group ... do	2,272	1,927	2,019	2,287	2,004	2,161	2,324	2,380	2,213	2,098	2,317	2,302	2,478
Grocery and combination ... do	1,770	1,452	1,512	1,748	1,502	1,628	1,792	1,831	1,707	1,632	1,812	1,786	1,942
Other food ... do	502	475	507	538	502	532	532	548	506	467	505	516	536
Filling stations ... do	340	310	325	340	320	343	332	332	304	282	314	327	346
General merchandise group ... do	1,200	1,136	1,022	1,207	1,203	1,357	1,488	1,930	995	973	1,247	1,260	r 1,305
Department, including mail order ... do	788	748	640	788	809	910	1,016	1,277	656	639	842	834	r 857
General, including general merchandise with food ... do	153	134	140	148	139	154	155	173	124	120	142	151	165
Other general mdse. and dry goods ... do	125	120	112	126	124	142	146	199	100	97	123	126	136
Variety ... do	134	134	131	146	131	151	171	281	116	117	141	149	147

r Revised. § 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. The estimates of consumer expenditures shown above have been revised in accordance with revisions in the quarterly estimates for 1939-46 and earlier annual totals shown as a component of the gross national product in the "National Income Supplement to the July Survey" referred to in the note marked with an "" on p. S-1. In addition, it should be noted that quarterly dollar figures, seasonally adjusted, are now shown at annual rates instead of unadjusted quarterly totals, as formerly. The indexes have been discontinued. A breakdown of the quarterly estimates by major groups is being compiled and will be included in the Survey at a later date.

†Revised series. For revised data (dollar figures and indexes) on sales of retail stores for January 1943 to June 1944, and earlier revisions for a number of series, see table on pp. 19 and 20 of the September 1945 Survey (corrections for p. 19: March 1944 indexes—building materials and hardware stores, 143.6; jewelry stores, 460.7; June 1944 index for apparel stores, 201.0; 1940 dollar figures, all retail stores—January 3, 198; February 3, 108); except as given in this table or indicated in footnote 1 thereto, data for 1929, 1933, and 1935-42 are correct as published on pp. 7 and 11-14 of the November 1943 Survey. Revisions for January-April 1945 are shown on p. 24 of the August 1946 Survey and data for later months of 1945 are on pp. S-7 and S-8 of the July 1946 issue.

DOMESTIC TRADE—Continued

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1947 June	1946 June	1946 July	1946 August	1946 September	1946 October	1946 November	1946 December	1947 January	1947 February	1947 March	1947 April	1947 May
RETAIL TRADE—Continued													
All retail stores†—Continued.													
Estimated sales—Continued.													
Nondurable goods store—Continued.													
Other retail stores ... mil. of dol.	875	773	822	859	817	903	918	1,089	848	842	941	902	r 923
Feed and farm supply ... do	237	207	232	219	205	218	210	207	204	209	252	270	259
Fuel and ice ... do	137	89	125	134	136	156	152	162	202	203	192	138	132
Liquors ... do	140	146	150	163	144	160	176	228	143	140	157	147	r 154
Other ... do	361	331	315	344	333	369	381	491	299	291	341	348	r 379
Indexes of sales:													
Unadjusted, combined index ... 1935-39=100	279.8	242.3	235.2	252.6	266.8	269.0	282.2	321.6	241.3	250.1	265.1	275.4	279.5
Durable goods stores ... do	267.6	200.1	200.0	214.1	228.1	232.6	238.6	262.4	201.2	214.6	230.6	249.8	260.8
Nondurable goods stores ... do	283.8	256.1	246.7	265.2	279.4	280.8	296.4	340.9	254.4	261.7	276.4	283.7	285.6
Adjusted, combined index ... do	275.3	238.7	247.5	261.4	256.5	260.3	273.0	270.1	276.2	280.6	277.6	274.2	274.1
Index eliminating price changes ... do	153.8	162.6	158.2	163.4	156.6	156.0	159.3	156.8	160.2	162.8	156.6	154.6	r 154.4
Durable goods stores ... do	253.9	189.8	201.0	214.9	221.4	225.6	229.2	231.6	236.7	250.7	249.5	250.7	245.2
Automotive ... do	185.9	122.4	134.6	152.3	159.4	172.2	172.0	168.2	170.9	184.6	187.1	197.1	186.8
Building materials and hardware ... do	305.4	235.6	250.2	263.7	256.1	249.9	256.0	280.7	294.0	315.7	299.4	297.6	r 291.0
Homefurnishings ... do	369.1	296.9	298.4	304.7	329.6	329.6	342.0	331.3	336.8	337.4	343.0	321.5	r 336.2
Jewelry ... do	387.6	397.8	417.5	409.9	421.9	387.3	388.5	385.9	364.1	391.7	413.5	408.7	386.9
Nondurable goods stores ... do	282.3	254.7	262.6	276.5	267.9	271.6	287.3	282.7	289.1	290.3	286.7	281.8	283.5
Apparel ... do	297.7	290.2	291.5	331.3	299.8	285.0	295.3	289.2	303.0	309.2	308.4	293.0	r 296.9
Drug ... do	247.2	251.0	240.4	242.4	242.0	249.1	260.4	264.9	251.7	255.4	259.1	250.9	r 248.6
Eating and drinking places ... do	387.1	392.3	387.6	382.2	395.5	408.6	421.9	394.6	423.3	406.5	389.5	393.4	r 396.4
Food ... do	295.4	239.3	251.9	271.5	262.6	274.5	296.4	298.7	303.4	301.3	297.6	299.5	299.4
Filling stations ... do	152.5	139.0	140.6	147.2	146.9	157.5	163.3	166.2	169.1	171.5	162.2	159.0	154.9
General merchandise ... do	249.9	232.9	237.2	253.4	237.9	230.4	241.8	240.7	239.0	242.9	246.2	244.7	r 252.1
Other retail stores ... do	307.7	268.8	299.1	297.4	294.1	297.8	320.3	303.3	313.4	327.7	322.0	295.0	r 293.8
Estimated inventories, total* ... mil. of dol.	9,361	7,114	7,439	8,055	8,487	9,136	9,562	8,728	8,943	9,441	9,954	9,971	r 9,665
Durable goods stores* ... do	3,596	2,186	2,319	2,477	2,682	2,950	3,190	2,911	3,192	3,416	3,774	3,796	r 3,688
Nondurable goods stores* ... do	5,765	4,928	5,120	5,578	5,805	6,186	6,372	5,817	5,751	6,025	6,180	6,175	r 5,977
Chain stores and mail-order houses:													
Sales, estimated, total* ... do	1,966	1,650	1,599	1,876	1,715	1,913	2,037	2,398	1,690	1,658	2,015	2,017	r 2,134
Apparel group* ... do	228	224	171	205	213	233	235	303	163	153	246	r 240	r 244
Men's wear* ... do	37	36	24	33	39	46	48	55	30	27	45	40	41
Women's wear* ... do	104	105	84	96	96	103	103	139	73	72	118	r 111	r 115
Shoes* ... do	69	65	50	59	60	63	63	84	46	41	62	r 69	68
Automotive parts and accessories* ... do	44	44	45	48	42	46	49	59	29	28	35	38	44
Building materials* ... do	93	64	64	72	74	75	61	55	65	63	74	r 83	90
Drug* ... do	65	68	67	70	66	70	72	100	66	64	70	r 67	69
Eating and drinking* ... do	50	48	50	51	50	53	51	55	52	47	52	r 51	52
Furniture and housefurnishings* ... do	25	22	21	23	22	27	27	32	18	22	24	24	r 27
General merchandise group* ... do	509	446	425	502	492	571	594	776	387	389	508	532	552
Department, dry goods, and general merchandise* ... mil. of dol.	304	259	242	286	278	324	331	429	203	202	280	303	328
Mail-order (catalog sales)* ... do	77	61	59	79	91	104	104	92	75	77	96	88	85
Variety* ... do	116	116	113	126	113	131	147	243	100	101	122	129	127
Grocery and combination* ... do	661	479	486	618	482	542	650	666	633	629	713	689	748
Indexes of sales:													
Unadjusted, combined index* ... 1935-39=100	273.0	220.8	212.9	234.1	244.2	250.1	268.3	325.7	225.2	239.1	261.5	r 272.7	r 272.5
Adjusted, combined index* ... do	270.2	218.6	230.6	254.0	238.3	237.2	254.9	258.8	262.8	269.1	272.7	r 268.5	r 269.2
Apparel group* ... do	285.4	270.5	278.1	330.0	284.8	273.7	280.9	280.0	299.6	297.9	298.6	r 290.7	r 294.6
Men's wear* ... do	260.1	240.5	250.8	360.5	321.6	283.4	286.0	262.9	258.9	274.0	309.8	r 268.0	r 287.5
Women's wear* ... do	365.0	357.9	343.2	379.3	358.5	337.4	336.3	328.5	358.4	361.5	381.0	r 373.0	r 374.7
Shoes* ... do	220.9	199.1	230.2	268.0	191.0	206.7	226.6	245.2	269.1	251.2	210.5	r 221.8	r 219.3
Automotive parts and accessories* ... do	218.3	216.0	224.9	234.5	237.8	251.3	287.9	299.4	192.0	201.7	222.9	212.6	r 234.6
Building materials* ... do	330.8	225.4	225.8	234.5	233.3	211.3	208.9	250.2	290.9	331.3	320.8	r 309.2	r 298.1
Drug* ... do	224.0	229.6	226.1	232.5	225.3	226.8	239.0	250.8	227.1	231.2	231.4	227.7	r 228.1
Eating and drinking* ... do	227.5	216.5	224.3	222.1	209.5	212.5	218.2	208.9	228.8	221.8	220.8	r 218.6	r 223.5
Furniture and housefurnishings* ... do	260.8	232.4	225.5	201.3	202.0	204.1	215.7	216.0	230.0	257.4	241.7	r 223.2	r 232.7
General merchandise group* ... do	264.3	224.8	242.0	259.4	244.9	241.5	249.4	243.1	253.0	256.3	268.6	r 264.2	r 264.0
Department, dry goods, and general merchandise* ... 1935-39=100	321.5	262.5	283.9	300.9	279.8	283.0	289.6	288.9	287.0	293.7	312.7	r 309.4	r 315.9
Mail-order* ... do	237.2	196.7	222.5	259.3	250.5	202.5	221.3	181.5	259.7	268.6	276.0	246.3	246.6
Variety* ... do	192.7	r 185.6	189.3	197.0	188.6	199.3	203.4	206.7	196.2	191.8	198.3	205.4	r 194.9
Grocery and combination* ... do	314.8	213.3	226.8	267.4	243.9	245.8	283.1	297.0	300.7	309.9	312.2	313.3	313.0
Department stores:													
Accounts, collections, and sales by type of payment:													
Accounts receivable:													
Instalment accounts§ ... 1941 average=100	....	46	45	48	50	55	62	75	75	74	76	80	82
Open accounts§ ... do	....	133	119	127	145	156	176	224	176	154	160	164	167
Ratio of collections to accounts receivable:													
Instalment accounts§ ... percent	....	33	32	35	34	37	37	35	29	28	32	29	29
Open accounts§ ... do	....	60	57	59	56	60	59	54	52	51	56	54	56
Sales by type of credit:*													
Cash sales ... percent of total sales	55	59	61	60	57	56	57	57	57	56	55	55	55
Charge account sales ... do	39	37	35	36	39	39	38	38	37	38	39	39	39
Instalment sales ... do	6	4	4	4	4	5	5	5	6	6	6	6	6
Sales, unadjusted, total U. S.† ... 1935-39=100	p 265	253	208	242	278	278	336	441	209	222	266	268	r 280
Atlanta† ... do	307	306	275	321	374	372	416	570	273	298	346	350	348
Boston† ... do	....	216	157	184	237	240	284	398	170	171	227	227	239
Chicago† ... do	270	245	198	236	268	268	318	409	196	210	250	258	276
Cleveland† ... do	267	257	203	249	251	265	333	430	194	210	262	266	283
Dallas† ... do	308	r 310	290	332	395	384	434	567	294	306	337	347	356
Kansas City† ... do	p 281	r 266	239	279	311	312	340	448	225	247	283	290	297
Minneapolis† ... do	269	236	204	232	287	281	302	385	196	202	258	264	r 262
New York† ... do	231	221	158	189	214	202	301	392	182	188	229	223	237
Philadelphia† ... do	238	228	175	195	246	258	318	408	188	192	255	248	261
Richmond† ... do	278	r 269	220	254	316	312	370	494	219	226	292	290	301
St. Louis† ... do	269	274	234	284	316	313	371	463	228	244	288	297	315
San Francisco ... do	p 294	288	266	291	326	330	376	503	249	278	295	297	301

r Revised. p Preliminary. §Minor revisions in the figures prior to November 1941 are available on request.

*New series. Revised 1940-43 dollar figures and indexes for total chain store sales and furniture and house furnishings, 1942-43 indexes for all series in the general merchandise group except mail-order, and revisions in the 1942 or 1943 data for a few other series are available on p. 20 of the September 1945 Survey. Except as given on that page, data for 1929, 1933, and 1935 to March 1943 are correct as published on pp. 15-17 of the February 1944 Survey. Revisions for January-April 1945 for grocery and combination stores and the total (dollar figures and indexes) are shown on p. 24 of the August 1946 Survey. Data beginning 1939 for retail inventories will be published later; data shown in the Survey beginning with the June 1944 issue are comparable with estimates published currently. 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.

†Revised series. See note marked "†" on p. S-7 for reference to data through June 1944 and for January-April 1945 for sales of all retail stores. The indexes of department store sales for the United States and the indicated districts have been revised for all years. Revised data beginning 1919 or 1923 for the United States and several districts have been published as follows United States, p. 17 of December 1944 Survey (there have been unpublished minor revisions in the adjusted index for 1938-45); Atlanta, p. 23 of May 1947 issue; Dallas, p. 20 of February 1944 issue; New York, p. 20 of April 1947 issue; Richmond, p. 22 of June 1944 issue (further revisions in the 1943-44 data are in footnote on p. S-8 of March 1946 issue); complete revisions for other districts will be shown later; there have been further revisions in the adjusted indexes for Kansas City and Cleveland as published prior to the July 1946 and September 1946 issues, respectively, and for Philadelphia as published prior to July 1947 issue.

DOMESTIC TRADE—Continued

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1947	1946							1947				
	June	June	July	August	September	October	November	December	January	February	March	April	May
RETAIL TRADE—Continued													
Department stores—Continued.													
Sales, adjusted, total U. S.† ....1935–39=100	p 288	276	273	290	270	257	272	274	265	269	275	276	p 291
Atlanta† ....do	365	365	343	365	367	347	347	363	341	338	346	353	367
Boston† ....do		232	227	246	226	216	230	231	215	219	237	227	p 241
Chicago† ....do	278	253	254	281	263	250	261	264	245	262	260	261	276
Cleveland† ....do	284	273	260	286	249	248	266	277	256	256	257	272	298
Dallas† ....do	362	r 365	381	381	376	349	356	348	363	347	347	377	379
Kansas City† ....do	p 305	r 289	281	300	321	297	283	299	281	272	298	296	p 316
Minneapolis† ....do	283	248	253	259	265	254	253	251	262	261	279	257	r 273
New York† ....do	254	243	236	259	205	179	231	232	228	224	229	235	253
Philadelphia† ....do	265	253	243	259	246	233	239	250	247	234	236	258	275
Richmond† ....do	316	r 306	307	307	298	286	291	293	r 293	281	307	299	303
St. Louis† ....do	299	305	300	330	313	293	294	303	278	290	294	306	321
San Francisco ....do	p 321	r 314	322	324	313	319	319	317	313	330	r 325	315	323
Stocks, total U. S., end of month:†													
Unadjusted ....1935–39=100		205	223	238	250	267	277	235	234	252	265	263	p 253
Adjusted ....do		210	222	221	226	237	256	274	268	275	273	265	p 253
Mail-order and store sales:													
Total sales, 2 companies ....thous. of dol	253,091	201,976	194,503	232,811	242,461	283,733	281,422	313,678	201,052	185,800	249,263	260,325	275,884
Montgomery Ward & Co ....do	89,635	75,428	72,667	91,864	94,005	112,155	106,355	117,281	67,097	71,205	97,552	99,623	104,322
Sears, Roebuck & Co ....do	163,456	126,548	121,836	140,946	148,456	171,578	175,067	196,397	133,955	114,595	151,711	160,701	171,562
Rural sales of general merchandise:													
Total U. S., unadjusted ....1929–31=100	287.7	243.4	214.8	288.0	340.3	345.1	376.9	366.8	239.7	279.6	331.0	307.6	292.5
East ....do	278.0	236.6	189.5	268.0	320.1	334.6	372.8	333.8	243.8	266.0	358.2	309.3	296.3
South ....do	384.3	322.4	300.4	394.0	493.2	493.8	552.2	491.5	348.3	430.4	423.2	409.5	382.9
Middle West ....do	251.1	210.0	188.3	253.2	286.7	293.2	313.2	312.6	199.6	235.5	289.0	263.5	250.6
Far West ....do	335.3	294.1	263.5	325.2	383.5	384.9	439.0	465.5	258.9	295.0	350.5	336.5	328.8
Total U. S., adjusted ....do	315.8	267.2	294.2	352.1	321.9	265.6	289.7	229.4	315.0	345.6	376.9	334.6	318.6
East ....do	302.8	257.7	266.1	336.2	325.6	260.0	289.2	200.5	320.7	325.2	398.9	324.6	322.1
South ....do	478.0	401.0	442.4	546.4	446.8	333.2	402.1	327.2	440.3	471.9	468.6	464.8	451.5
Middle West ....do	266.0	222.4	255.1	306.9	279.7	230.8	238.9	200.4	261.0	296.2	326.2	282.1	264.7
Far West ....do	351.8	308.6	321.4	353.1	327.7	320.5	361.9	285.2	352.2	398.6	425.8	376.8	365.7
WHOLESALE TRADE													
Service and limited function wholesalers:*													
Estimated sales, total ....mil. of dol	4,842	4,145	4,505	4,772	4,879	5,642	5,368	5,346	5,109	4,732	4,996	4,977	4,948
Durable goods establishments ....do	1,700	1,239	1,317	1,436	1,483	1,680	1,600	1,671	1,583	1,599	1,736	1,818	r 1,763
Nondurable goods establishments ....do	3,142	2,906	3,188	3,336	3,396	3,962	3,768	3,675	3,526	3,133	3,260	3,159	r 3,185
All wholesalers, estimated inventories* ....do	6,755	4,498	4,642	4,809	5,055	5,338	5,738	5,939	6,271	6,514	6,729	6,823	6,734

EMPLOYMENT CONDITIONS AND WAGES

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1947 June	1946 June	July	August	September	October	November	December	1947 January	February	March	April	May
EMPLOYMENT													
Employment status of noninstitutional population:*													
Estimated number 14 years of age and over, total ....thous	107,407	106,210	106,360	106,470	106,630	106,760	106,840	106,940	106,970	107,060	107,190	107,260	107,330
Female ....do	54,506	53,750	53,820	53,890	53,980	54,060	54,110	54,150	54,180	54,230	54,370	54,420	54,460
Male ....do	52,910	52,460	52,540	52,580	52,650	52,700	52,730	52,790	52,790	52,830	52,820	52,840	52,870
Armed forces ....do	1,398	3,070	2,710	2,450	2,220	2,170	2,010	1,890	1,720	1,620	1,570	1,530	1,470
Civilian labor force, total ....do	62,609	58,930	60,110	59,750	59,120	58,990	58,970	58,430	57,790	58,010	58,390	59,120	60,290
Female ....do	18,149	17,270	17,400	17,170	17,270	17,170	17,020	16,440	15,930	15,910	15,950	16,320	17,120
Male ....do	44,460	41,660	42,710	42,580	41,850	41,820	41,950	41,990	41,860	42,100	42,440	42,800	43,170
Employed ....do	60,055	56,360	57,840	57,690	57,050	57,030	57,040	56,310	55,390	55,520	56,060	56,700	58,330
Female ....do	17,302	16,710	16,890	16,710	16,780	16,760	16,610	16,010	15,480	15,430	15,470	15,800	16,580
Male ....do	42,753	39,650	40,950	40,980	40,270	40,270	40,430	40,300	39,910	40,090	40,590	40,900	41,750
Agricultural employment ....do	10,377	10,010	9,970	9,140	8,750	8,620	7,900	7,210	6,500	6,920	7,240	7,860	8,960
Nonagricultural employment ....do	49,678	46,350	47,870	48,550	48,300	48,410	49,140	49,100	48,890	48,600	48,820	48,840	49,370
Unemployed ....do	2,555	2,570	2,270	2,060	2,070	1,960	1,930	2,120	2,400	2,490	2,330	2,420	1,960
Not in labor force ....do	43,399	44,210	43,540	44,270	45,290	45,600	45,860	46,620	47,460	47,430	47,230	46,610	45,570
Employees in nonagricultural establishments: †													
Unadjusted (U. S. Department of Labor):													
Total ....do	42,226	40,680	40,877	41,466	41,848	42,065	42,439	42,928	41,803	41,849	42,043	r 41,823	r 41,916
Manufacturing ....do	15,259	14,371	14,526	14,876	15,035	15,064	15,271	15,348	15,372	15,475	r 15,510	r 15,429	15,230
Mining ....do	889	864	873	886	884	883	883	874	883	880	879	856	881
Construction ....do	1,761	1,532	1,627	1,713	1,747	1,753	1,713	1,644	1,527	1,502	1,534	1,619	r 1,688
Transportation and public utilities ....do	4,121	3,996	4,051	4,103	4,064	4,093	4,101	4,071	4,014	4,011	r 4,020	r 3,836	r 3,968
Trade ....do	8,567	8,342	8,337	8,402	8,523	8,667	8,898	9,234	8,552	8,507	8,563	8,551	r 8,547
Financial, service, and miscellaneous ....do	6,222	5,961	5,975	5,984	5,990	6,054	6,098	6,119	6,071	6,107	6,120	6,106	r 6,155
Government ....do	5,407	5,614	5,488	5,502	5,605	5,551	5,475	5,638	5,384	5,367	5,415	5,426	5,447
Adjusted (Federal Reserve):													
Total ....do	p 42,203	r 40,671	r 40,797	r 41,309	r 41,669	r 41,854	r 42,139	r 42,207	r 42,243	r 42,354	r 42,395	r 42,064	r 42,075
Manufacturing ....do	p 15,288	14,400	14,475	14,745	14,953	15,019	15,233	15,310	15,426	15,529	15,565	r 15,513	r 15,351
Mining ....do	p 889	864	873	886	884	883	883	874	883	880	879	856	r 881
Construction ....do	p 1,693	1,473	1,535	1,601	1,648	1,670	1,679	1,731	1,678	1,651	1,632	1,652	r 1,671
Transportation and public utilities ....do	p 4,080	3,956	3,991	4,042	4,064	4,093	4,101	4,091	4,075	4,052	r 4,040	r 3,855	r 3,968
Trade ....do	p 8,654	8,426	8,464	8,573	8,609	8,581	8,639	8,630	8,595	8,637	r 8,695	8,637	r 8,633
Estimated production workers in manufacturing industries, total (U. S. Dept. of Labor)* ....thousands	12,352	11,623	11,767	12,101	12,244	12,253	12,449	12,514	12,511	12,593	12,614	r 12,524	r 12,343
Durable goods industries ....do	6,457	5,865	5,984	6,160	6,249	6,281	6,379	6,393	6,429	6,502	6,532	r 6,527	r 6,428
Iron and steel and their products ....do	1,554	1,403	1,445	1,490	1,514	1,500	1,535	1,521	1,552	1,562	1,567	1,567	r 1,555
Blast furnaces, steel works, and rolling mills ....thousands		453	470	480	480	474	482	467	480	483	482	487	491

r Revised. p Preliminary.

New series. Annual estimates of total wholesale sales beginning 1939 are available on p. 32 of the February 1946 Survey and the table on the back cover of the February 1947 issue and monthly figures beginning June 1943 for all series are on p. S-9 of the August 1944 and later issues. For estimates of wholesalers' inventories for 1938–42, see p. 7 of the June 1942 Survey and p. S-2 of the May 1943 issue. Estimates of the labor force have been revised beginning July 1945 (see explanation in the February 1947 Survey) and revision of the earlier data is in progress; all revisions for these series and data prior to 1946 for the series on noninstitutional population and persons not in the labor force will be published when revisions are completed. See note marked "" on p. S-10 regarding the estimates of production workers in manufacturing industries.

† Revised series. See note marked "†" on p. S-8 regarding revisions in the indexes of department store sales. Revised data for 1919–45 for the index of department store stocks are shown on p. 24 of the August 1946 Survey. Revised estimates of employees in nonagricultural establishments for January 1939–February 1946 are shown on pp. 22 and 23 of the May 1947 Survey; earlier data back to 1929 for several series are available in the July 1945 Survey as indicated in the footnote on p. 23 of the May 1947 Survey; the Department of Labor recently compiled a break-down of the financial, service and miscellaneous group above; computation of seasonally adjusted data for the separate groups resulted in minor revisions in the seasonally adjusted total for all groups, which are available upon request.

EMPLOYMENT CONDITIONS AND WAGES—Continued

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1947 June	1946 June	1946 July	1946 August	1946 September	1946 October	1946 November	1946 December	1947 January	1947 February	1947 March	1947 April	1947 May
EMPLOYMENT—Continued													
Estimated production workers in manufacturing*—Con.													
Durable goods industries—Continued													
Electrical machinery .... thousands	571	521	526	545	563	579	590	597	598	601	599	567	r 554
Machinery, except electrical .... do	1,174	1,049	1,066	1,092	1,112	1,131	1,150	1,161	1,173	1,181	1,189	1,197	r 1,194
Machinery and machine-shop products .... do		348	352	357	363	370	378	380	381	385	386	836	384
Machine tools§ .... do		59	59	61	62	62	60	61	60	59	58	57	55
Automobiles .... do	779	693	725	755	788	774	778	774	755	791	798	807	r 749
Transportation equipment, exc. automobiles .... do	465	479	476	468	455	457	464	473	474	472	471	477	r 468
Aircraft and parts (excluding engines)§ .... do		126	129	134	140	143	146	145	144	142	141	143	139
Aircraft engines§ .... do		26	27	28	28	29	29	29	30	29	28	28	27
Shipbuilding and boatbuilding§ .... do		183	174	158	139	134	134	143	142	141	140	r 144	141
Nonferrous metals and products .... do	408	378	392	406	411	417	422	426	428	432	430	424	r 413
Lumber and timber basic products .... do	667	553	561	584	583	590	599	592	592	598	611	r 627	r 651
Sawmills and logging camps§ .... do		r 447	r 454	r 473	r 469	r 474	r 480	r 473	r 471	r 477	r 489	r 503	525
Furniture and finished lumber products .... do	424	391	392	405	405	411	419	425	432	441	440	433	r 425
Furniture § .... do		210	211	217	217	220	224	227	230	235	234	230	226
Stone, clay, and glass products .... do	415	398	401	415	418	422	422	424	425	424	427	428	r 419
Nondurable goods industries .... do	5,895	5,758	5,783	5,941	5,995	5,972	6,070	6,121	6,082	6,091	6,082	5,997	5,915
Textile-mill products and other fiber manufactures .... thousands	1,177	1,191	1,175	1,189	1,204	1,215	1,230	1,242	1,242	1,247	1,242	1,223	r 1,197
Cotton manufacturing, except small wares .... do		448	445	452	456	460	465	469	470	472	470	468	460
Silk and rayon goods .... do		92	91	93	93	94	95	96	96	95	95	94	92
Woolen and worsted manufactures (except dyeing and finishing) .... thousands		160	155	156	160	161	162	164	163	162	158	153	148
Apparel and other finished textile products .... do	1,038	1,013	983	1,030	1,049	1,065	1,063	1,079	1,090	1,119	1,120	1,066	r 1,037
Men's clothing § .... do		261	258	266	267	270	280	283	285	288	288	284	281
Women's clothing § .... do		399	371	402	415	418	407	414	422	439	442	408	389
Leather and leather products .... do	343	360	357	356	358	355	357	362	362	364	363	358	r 345
Boots and shoes§ .... do		r 220	r 219	r 217	r 219	r 216	r 219	r 222	r 223	r 224	r 224	r 221	r 213
Food and kindred products .... do	1,111	1,033	1,119	1,184	1,175	1,091	1,141	1,139	1,098	1,059	1,055	1,068	r 1,077
Baking .... do		234	234	237	241	241	249	253	249	244	245	247	246
Canning and preserving .... do		111	184	207	245	173	132	116	95	82	77	80	80
Slaughtering and meat packing .... do		128	123	138	95	84	139	151	154	149	144	139	143
Tobacco manufactures .... do	84	86	85	86	87	89	91	92	90	89	86	82	83
Paper and allied products .... do	381	368	365	369	372	376	383	387	386	387	387	385	r 381
Paper and pulp .... do		168	166	168	168	168	171	172	172	173	173	171	172
Printing, publishing, and allied industries .... do	422	393	397	399	401	410	415	420	417	420	421	422	422
Newspapers and periodicals .... do		130	130	131	132	134	135	137	135	137	139	140	141
Printing, book and job .... do		156	160	158	159	163	165	166	166	166	165	164	163
Chemicals and allied products .... do	539	522	516	520	530	539	550	555	564	568	569	565	r 561
Chemicals .... do		118	117	117	117	118	121	123	124	124	125	125	125
Products of petroleum and coal .... do	161	153	155	156	157	155	155	155	154	155	155	154	158
Petroleum refining .... do		99	100	100	100	99	99	99	98	99	99	98	101
Rubber products .... do	215	221	214	223	229	236	240	242	240	240	238	234	r 223
Rubber tires and inner tubes .... do		106	99	103	107	110	112	112	110	109	108	106	102
Production workers, unadjusted index, all manufacturing (U. S. Dept. of Labor)† .... 1939=100	150.8	141.9	143.6	147.7	149.5	149.6	152.0	152.8	152.7	153.7	154.0	152.9	r 150.7
Durable goods industries .... do	178.8	162.4	165.7	170.6	173.1	173.9	176.7	177.0	178.0	180.1	180.9	180.8	r 178.0
Iron and steel and their products .... do	156.7	141.5	145.7	150.2	152.7	151.2	154.9	153.4	156.5	157.5	158.1	158.0	r 156.8
Blast furnaces, steel works, and rolling mills .... 1939=100		116.6	120.9	123.6	123.6	121.9	124.0	120.2	123.5	124.4	124.2	125.3	126.4
Electrical machinery .... do	220.3	201.2	203.2	210.5	217.3	223.4	227.6	230.6	230.8	232.0	231.3	218.7	r 213.8
Machinery, except electrical .... do	222.2	198.6	201.8	206.6	210.3	214.0	217.7	219.6	222.0	223.5	225.1	226.6	r 225.9
Machinery and machine-shop products .... do		171.8	173.7	176.2	179.5	183.0	186.7	187.6	188.8	190.3	190.6	190.8	189.6
Machine tools§ .... do		161.9	161.5	167.5	169.2	169.2	164.6	165.3	163.2	161.1	158.4	156.1	150.5
Automobiles .... do	193.7	172.3	180.2	187.8	196.0	192.3	193.3	192.3	187.7	196.6	198.2	200.5	r 186.2
Transportation equipment, exc. automobiles .... do	292.9	301.6	299.9	294.7	286.8	287.8	292.4	298.2	298.4	297.6	296.7	300.8	r 294.8
Aircraft and parts (excluding engines)§ .... do		316.3	324.2	338.3	351.6	360.9	368.8	364.8	362.8	357.6	355.8	359.2	349.9
Aircraft engines§ .... do		292.3	298.3	309.3	310.5	321.8	329.8	326.2	331.4	321.8	314.9	315.8	306.2
Shipbuilding and boatbuilding§ .... do		264.6	251.2	228.6	200.8	193.3	193.2	206.2	205.7	203.3	r 202.8	r 207.8	203.5
Nonferrous metals and products .... do	177.9	164.9	171.2	177.3	179.5	182.0	184.0	185.8	186.9	188.9	187.5	184.8	r 180.1
Lumber and timber basic products .... do	158.5	131.6	133.5	139.0	138.6	140.4	142.4	140.8	140.9	142.3	145.4	r 149.1	r 154.8
Sawmills and logging camps§ .... do		r 142.6	r 144.8	r 150.7	r 149.4	r 151.0	r 152.9	r 150.7	r 150.2	r 152.1	r 155.7	r 160.3	r 167.5
Furniture and finished lumber products .... do	129.3	119.1	119.6	123.4	123.5	125.2	127.7	129.6	131.8	134.5	134.2	132.1	r 129.5
Furniture § .... do		117.9	118.7	122.2	121.7	123.7	125.6	127.7	129.9	132.1	131.3	129.1	127.2
Stone, clay, and glass products .... do	141.5	135.6	136.6	141.6	142.5	143.8	143.9	144.4	144.9	144.5	145.3	146.0	r 142.6
Nondurable goods industries .... do	128.7	125.7	126.2	129.7	130.9	130.4	132.5	133.6	132.8	133.0	132.8	130.9	r 129.1
Textile-mill products and other fiber manufactures .... 1939=100	102.9	104.1	102.8	104.0	105.2	106.2	107.6	108.6	108.6	109.1	108.6	106.9	r 104.6
Cotton manufactures, except small wares .... do		113.0	112.4	114.2	115.1	116.0	117.5	118.4	118.7	119.1	118.7	118.1	116.2
Silk and rayon goods .... do		76.6	75.9	77.2	77.6	78.3	79.1	79.8	79.9	79.6	79.5	78.4	76.7
Woolen and worsted manufactures (except dyeing and finishing) .... 1939=100		107.3	103.9	104.4	107.0	107.5	108.7	110.2	109.2	108.6	105.9	102.7	99.2
Apparel and other finished textile products .... do	131.5	128.3	124.5	130.5	132.9	134.9	134.6	136.6	138.0	141.7	141.9	135.0	r 131.4
Men's clothing § .... do		113.6	112.2	115.7	116.1	117.7	121.8	123.1	123.9	125.3	125.2	123.5	122.2
Women's clothing § .... do		139.4	129.6	140.5	145.0	146.0	142.1	144.8	147.4	153.5	154.5	142.4	136.0
Leather and leather products .... do	98.9	103.8	103.0	102.7	103.1	102.2	102.9	104.4	104.4	104.9	r 104.7	r 103.0	r 99.4
Boots and shoes§ .... do		r 95.4	r 95.0	r 94.1	r 95.0	r 93.7	r 94.7	r 96.0	r 96.4	r 97.1	r 97.2	r 95.6	92.1
Food and kindred products .... do	130.1	120.9	131.0	138.6	137.5	127.7	133.5	133.3	128.4	123.9	123.5	125.0	r 126.0
Baking .... do		101.5	101.4	102.7	104.6	104.6	107.9	109.6	107.9	105.7	106.2	107.2	106.5
Canning and preserving .... do		82.8	136.8	153.5	182.2	128.9	98.1	86.2	70.3	60.8	56.9	59.6	59.3
Slaughtering and meat packing .... do		106.5	102.4	114.8	78.6	70.0	115.3	125.0	128.1	123.5	119.1	115.4	118.8
Tobacco manufactures .... do	90.2	92.1	90.7	91.7	93.5	95.8	97.6	98.3	96.1	95.4	92.2	87.5	r 88.4
Paper and allied products .... do	143.7	138.8	137.4	139.2	140.0	141.7	144.3	145.7	145.6	145.9	145.9	145.0	r 143.7
Paper and pulp .... do		121.9	120.9	122.1	122.0	122.0	124.1	125.0	125.2	125.7	125.5	124.6	125.0
Printing, publishing, and allied industries .... do	128.7	119.9	121.1	121.6	122.3	125.0	126.6	127.9	127.2	128.1	128.2	128.6	r 128.7
Newspapers and periodicals‡ .... do		109.4	109.6	110.4	111.0	112.8	113.7	115.2	114.0	115.6	116.7	117.6	118.7
Printing, book and job‡ .... do		123.8	126.3	125.0	125.8	128.9	130.6	131.6	131.5	131.4	130.4	130.1	129.1
Chemicals and allied products .... do	186.9	181.3	178.9	180.5	184.0	187.2	190.9	192.5	195.6	197.1	197.5	196.2	r 194.8
Chemicals .... do		169.0	168.4	168.5	167.6	169.8	173.3	176.7	178.6	178.6	179.1	180.1	180.3
Products of petroleum and coal .... do	152.0	144.5	146.7	147.4	147.8	146.8	146.6	146.1	145.4	146.0	145.9	145.4	r 149.3
Petroleum refining .... do		136.1	137.4	137.4	137.0	136.2	136.0	136.4	135.0	135.2	135.4	134.1	138.0
Rubber products .... do	178.0	182.9	177.0	184.0	189.1	194.8	198.8	200.1	198.8	198.2	196.5	193.5	184.2
Rubber tires and inner tubes .... do		195.8	183.1	189.9	197.0	204.0	207.0	206.3	203.5	201.2	r 199.2	r 195.0	188.7

‡Data beginning August 1942 are available in the November 1943 Survey; earlier data will be published later. r Revised.

§For 1941-43 data for shipbuilding see p. 19 of December 1944 Survey and for 1939-44 data for aircraft and aircraft engines, p. 20 of the August 1945 issue. For data for December 1941-July 1942 for machine tools, see note marked "†" on p. S-10 of the November 1943 Survey. Data for 1939-46 for the clothing industries are shown on p. 22 of the June 1947 Survey (data shown for number of wage earners are in thousands) and for the furniture industry, on p. 23 of the July 1947 issue. Data for sawmills, etc., and the boots and shoes industry have similarly been revised beginning 1939; revisions prior to May 1946 will be shown later.

*New series. Estimates of production workers for 1929-43 for all manufacturing, total durable goods, total nondurable goods, and the industry groups are shown on p. 22 of December 1945 Survey; data for 1944 are on p. 24 of July 1946 issue and data for January 1945-February 1946 are on p. 24 of the May 1947 issue. Data beginning October 1941 for the individual industries are available on pp. S-8 and S-9 of the December 1942 and later issues (except as indicated in note marked "§" above) and data back to 1939 will be shown later.

†Revised series. The indexes of production-worker employment and pay rolls (pp. S-12 and S-13) have been completely revised; for 1939-41 data for the individual industries (except as indicated in note marked "§") and 1939-40 data for the unadjusted series for all manufacturing, total durable goods and total nondurable goods industries, and the industry groups, see pp. 23-24 of the December 1942 Survey; for 1941 data for the totals and the industry groups see p. 28 of the March 1943 issue, for 1942-43, p. 20 of the October 1945 issue for 1944, p. 24 of the July 1946 issue, and for January 1945-February 1946, p. 24 of the May 1947 issue.

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

EMPLOYMENT CONDITIONS AND WAGES—Continued

EMPLOYMENT—Continued													
Production workers, adjusted index, all manufacturing (Federal Reserve)† .... 1939=100	p 151.0	142.2	143.0	146.3	148.6	149.1	151.5	152.4	153.4	154.4	154.6	153.8	r 151.9
Durable goods industries† .... do	p 178.6	162.3	165.2	169.7	172.7	173.8	176.4	177.1	178.7	180.8	181.5	181.2	r 178.3
Nondurable goods industries† .... do	p 129.3	126.3	125.6	127.8	129.6	129.7	131.8	133.0	133.4	133.6	133.4	132.2	r 131.1
Nonmanufacturing, unadjusted (U. S. Dept. of Labor):													
Mining:†													
Anthracite .... 1939=100		79.0	81.4	82.0	82.2	83.2	82.9	83.0	83.4	82.9	81.8	80.1	81.1
Bituminous coal .... do	89.2	89.6	89.5	90.8	90.5	90.1	90.0	88.1	90.8	90.4	89.7	83.4	r 88.4
Metalliferous .... do	89.7	74.4	78.0	82.5	83.5	83.9	85.2	86.2	87.2	87.6	88.6	r 89.6	r 89.4
Quarrying and nonmetallic .... do		98.9	101.2	103.2	102.5	101.7	101.2	99.7	96.9	97.1	98.7	103.1	104.3
Crude petroleum and natural gas† .... do		94.2	95.4	95.5	93.9	93.4	93.0	92.6	92.1	91.7	92.0	92.6	93.3
Public utilities:†													
Electric light and power .... do	107.4	99.9	101.2	101.9	101.9	102.0	102.5	103.0	102.5	103.2	104.0	r 104.8	r 105.7
Street railways and busses .... do	103.5	128.7	128.9	130.2	129.9	130.3	130.6	130.1	130.9	131.1	131.0	130.9	r 130.7
Telegraph .... do		112.1	112.4	111.9	112.0	110.3	108.7	107.4	104.6	r 201.5	100.7	104.5	102.8
Telephone .... do		171.7	177.7	181.1	181.0	181.6	183.4	184.6	185.2	186.9	188.4	r 127.2	160.1
Services:†													
Dyeing and cleaning .... do	127.8	131.6	130.0	124.5	125.6	126.1	123.0	120.9	118.2	117.0	118.8	121.5	r 123.7
Power laundries .... do	112.1	112.3	113.6	111.6	109.9	110.1	109.9	110.9	111.0	109.5	108.7	109.1	r 110.2
Year-round hotels .... do	119.4	119.9	119.1	119.3	119.5	120.6	120.2	119.1	117.3	117.7	117.3	117.5	r 118.4
Trade:													
Retail, total† .... do	111.5	107.2	106.2	106.6	109.8	112.2	117.2	126.5	110.5	109.6	111.1	111.4	111.3
Food* .... do		103.5	101.3	103.6	103.5	103.7	108.6	111.8	108.5	111.2	112.8	113.7	113.9
General merchandising† .... do		121.0	117.7	117.4	125.4	132.4	144.8	171.1	125.6	119.4	122.5	122.8	121.4
Wholesale† .... do	108.8	106.9	107.5	109.1	109.4	110.7	112.7	114.4	112.2	111.9	111.7	110.5	109.7
Water transportation* .... do		229.0	228.2	225.9	(1)	1 199.2							
Miscellaneous employment data:													
Federal and State highways, total‡ .... number		205,161	225,184	237,601	236,644	235,045	220,879	198,097	186,449	188,212	199,338	213,871	257,292
Construction (Federal and State) .... do		59,001	73,766	82,384	88,473	87,889	75,850	56,289	45,094	46,048	52,330	69,239	107,049
Maintenance (State) .... do		110,537	114,717	117,543	110,940	110,363	108,328	104,901	104,914	105,699	107,855	105,407	109,641
Federal civilian employees:¶													
United States .... thousands	p 1,850	2,299	2,282	2,232	2,154	2,119	2,018	1,981	1,973	1,966	1,944	1,926	r 1,907
District of Columbia .... do	p 205	235	235	233	226	225	224	221	220	219	218	215	r 212
Railway employees (class I steam railways):													
Total .... thousands	p 1,405	1,358	1,378	1,400	1,392	1,405	1,412	1,383	1,361	1,353	1,355	r 1,375	p 1,395
Indexes: Unadjusted† .... 1935-39=100	p 134.8	130.4	132.2	134.3	133.6	134.9	135.4	132.5	130.5	129.7	129.9	r 131.9	p 133.9
Adjusted† .... do	p 133.0	128.6	129.5	131.6	130.4	130.5	134.3	134.6	135.7	133.0	133.2	r 134.0	p 134.4
LABOR CONDITIONS													
Average weekly hours per worker:													
Natl. Indus. Conf. Bd. (25 mfg. industries) .... hours		39.8	40.0	40.1	40.0	40.4	40.4	40.4	40.8	40.8	40.6	r 40.5	40.4
U. S. Dept. of Labor, all manufacturing† .... do	p 40.1	40.0	39.7	40.5	40.3	40.5	40.2	40.9	40.6	40.4	40.4	r 40.0	r 40.1
Durable goods industries* .... do	p 41.5	39.8	39.3	40.5	40.3	40.7	40.2	40.8	40.5	40.5	40.7	r 40.7	r 40.5
Iron and steel and their products* .... do		38.8	38.5	39.9	39.7	40.3	40.0	39.8	40.2	40.0	40.4	40.4	40.4
Blast furnaces, steel works, and rolling mills* .... hours		36.0	36.4	38.2	38.0	38.7	38.8	37.0	38.2	38.5	38.9	39.2	39.2
Electrical machinery* .... do		39.8	39.4	40.6	40.8	40.7	40.6	41.1	40.5	40.0	r 40.5	r 40.0	39.8
Machinery, except electrical* .... do		40.9	40.4	40.9	41.1	41.5	40.9	41.4	41.4	41.3	41.5	41.5	41.3
Machinery and machine-shop products* .... do		41.2	40.7	41.6	41.2	41.6	41.1	41.8	41.7	41.5	41.6	41.6	41.6
Machine tools* .... do		42.2	41.3	42.0	41.9	42.6	42.3	42.8	42.2	42.3	42.3	42.0	42.1
Automobiles* .... do		36.6	37.8	39.2	38.5	38.8	38.6	39.4	38.9	38.8	39.7	38.5	38.2
Transportation equipment, except autos* .... do		39.5	39.3	39.7	38.8	40.0	38.4	40.6	40.2	39.7	r 39.8	r 39.8	40.2
Aircraft and parts (excluding engines)* .... do		40.4	40.0	40.7	40.6	40.6	39.6	40.4	39.8	40.1	39.8	39.7	39.5
Aircraft engines* .... do		41.6	40.6	41.4	41.9	42.1	37.2	41.9	41.4	40.7	39.4	39.8	39.6
Shipbuilding and boatbuilding* .... do		38.1	38.4	38.0	35.7	37.7	35.7	40.0	40.2	38.4	r 39.9	r 39.9	40.3
Nonferrous metals and products* .... do		40.9	40.0	40.8	40.7	40.9	40.9	41.7	41.0	41.0	40.9	r 40.9	41.6
Lumber and timber basic products* .... do		41.5	39.1	41.8	41.4	41.9	40.6	41.7	40.6	42.1	r 41.0	r 41.4	41.9
Sawmills and logging camps* .... do		41.1	38.9	41.4	41.2	41.5	40.2	41.1	40.0	41.8	40.6	r 40.9	41.5
Furniture and finished lumber products* .... do		41.8	41.0	41.9	41.8	42.2	41.7	42.2	41.8	41.9	41.7	41.5	41.5
Furniture* .... do		41.4	40.6	41.7	41.6	41.8	41.4	41.6	41.5	42.0	41.9	41.4	41.2
Stone, clay, and glass products* .... do		40.4	39.5	40.7	40.5	40.6	40.3	41.0	40.5	40.1	40.5	r 40.5	40.3
Nondurable goods industries* .... do	p 39.6	40.2	40.1	40.4	40.3	40.2	40.3	41.1	40.7	40.4	40.1	39.6	39.7
Textile-mill products and other fiber manufactures* .... hours		40.0	39.6	40.1	40.0	40.2	40.2	40.9	40.5	40.4	40.0	39.1	38.9
Cotton manufactures, except small wares* .... do		39.5	39.4	39.8	39.8	39.9	40.3	40.9	40.6	40.5	40.1	39.3	38.8
Silk and rayon goods* .... do		40.8	40.7	41.3	40.4	41.6	41.1	41.8	41.1	41.6	41.5	40.2	41.0
Woolen and worsted manufactures (except dyeing and finishing)* .... hours		41.1	40.5	40.9	41.1	40.9	40.1	41.3	41.3	41.0	40.1	39.1	39.2
Apparel and other finished textile products* .... do		37.1	36.0	37.0	36.9	36.8	36.6	37.0	36.9	36.7	36.7	35.5	35.8
Men's clothing* .... do		38.1	86.2	37.5	37.7	37.7	37.8	38.1	37.8	37.8	37.6	36.6	37.2
Women's clothing* .... do		36.1	35.4	36.4	35.8	35.5	34.9	35.3	35.7	36.2	36.1	34.4	34.7
Leather and leather products* .... do		39.3	38.2	37.8	38.2	37.5	37.1	39.1	39.3	39.5	r 39.0	38.3	38.2
Boots and shoes* .... do		39.0	37.8	36.9	37.9	36.9	36.3	38.8	39.1	39.2	r 38.1	r 37.8	37.7
Food and kindred products* .... do		42.3	43.8	43.7	43.0	42.4	42.9	44.4	43.6	42.7	42.3	42.1	43.0
Baking* .... do		43.9	44.8	45.0	44.5	43.6	44.0	45.3	43.9	43.2	43.0	42.5	43.1
Canning and preserving* .... do		40.0	43.2	42.3	43.5	41.7	37.3	38.8	37.6	37.0	37.7	37.8	38.2
Slaughtering and meat packing* .... do		39.3	43.0	43.4	35.9	37.5	44.9	46.4	47.5	42.7	r 41.9	r 41.7	43.9
Tobacco manufactures* .... do		40.0	39.1	38.6	39.5	40.3	39.7	40.2	39.2	37.8	37.5	36.8	36.3
Paper and allied products* .... do		43.1	42.8	43.4	43.0	43.4	43.3	43.7	43.2	43.2	43.2	43.0	43.1
Paper and pulp* .... do		43.7	43.8	44.4	43.8	44.5	44.4	44.6	44.2	44.3	44.3	44.4	44.7
Printing, publishing, and allied industries* .... do		40.5	40.2	40.8	r 41.0	41.0	41.0	41.5	41.0	40.1	40.3	40.1	40.0
Newspapers and periodicals* .... do		37.9	37.9	38.7	39.4	39.3	39.3	39.3	38.9	r 38.6	38.8	38.8	38.9
Printing, book and job* .... do		41.6	41.5	41.8	42.0	41.7	41.9	42.7	42.0	40.8	41.1	40.8	40.6
Chemicals and allied products* .... do		40.5	40.7	40.8	40.9	41.3	41.3	41.6	41.5	41.4	41.3	41.0	41.1
Chemicals* .... do		40.8	41.5	41.1	41.1	41.4	41.1	41.2	41.3	41.0	r 40.9	40.8	40.9

r Revised. p Preliminary.

1 For October 1946, data relate to the end of the preceding month; data for the week ending nearest September 15th are not available. The index has been temporarily discontinued.

‡ Total includes state engineering, supervisory and administrative employees not shown separately.

¶ United States totals beginning August 1945 include approximately 53,000 clerks at third-class post offices and substitute rural carriers not reported previously; see also note in July 1944 Survey regarding changes in the data beginning in 1943. December figures do not include excess temporary post office substitutes employed only at Christmas.

* New series. Indexes beginning 1939 for employment in retail food establishments and beginning 1940 for water transportation are shown on p. 31 of the June 1943 Survey. Data beginning 1939 for all series on average hours will be published later; the series for individual nondurable goods industries, sawmills and furniture have not been shown in the Survey prior to the March 1947 issue; data beginning March 1942 for other series except aircraft engines, and beginning March 1944 for this series, are available in previous issues of the Survey.

† Revised series. Revisions for 1939 through February 1946 for the adjusted indexes of employment in manufacturing industries will be shown later. Data for 1937-43 for the index of employment and pay rolls in the telephone industry are on p. 20 of the May 1945 Survey and data for 1937-43 for the telegraph industry are on p. 23 of the August 1946 issue; data for 1939-41 for the other Department of Labor series on nonmanufacturing employment and pay rolls are on p. 31 of the June 1943 Survey. The index of railway employees has been shown on a revised basis beginning in the May 1943 Survey; earlier revisions will be published later. Data beginning January 1942 for the series on 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 in a later issue.

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

EMPLOYMENT CONDITIONS AND WAGES—Continued

LABOR CONDITIONS—Continued													
Average weekly hours per worker—Continued													
U. S. Dept. of Labor, all manufacturing—Continued													
Nondurable goods industries—Continued													
Products of petroleum and coal* ... hours	--------	39.6	40.0	40.3	40.4	40.4	40.3	40.0	40.2	40.1	40.2	40.6	40.2
Petroleum refining* ... do	--------	39.5	39.7	40.0	40.2	40.2	40.0	40.4	39.9	39.8	39.8	40.3	39.8
Rubber products* ... do	--------	39.3	39.2	39.4	40.6	39.4	40.0	41.1	40.6	40.6	39.8	r 39.5	39.1
Rubber tires and inner tubes* ... do	--------	37.4	38.0	37.4	39.6	38.2	39.0	39.8	39.5	39.3	r 38.2	38.2	37.9
Nonmanufacturing industries (U. S. Dept. of Labor):*													
Building construction ... hours	--------	38.2	38.2	38.2	38.7	38.8	37.2	38.4	37.6	36.9	38.0	37.1	p 37.7
Mining:													
Anthracite ... do	--------	38.2	31.7	37.9	37.7	39.2	35.7	40.9	39.1	35.1	39.8	32.3	37.2
Bituminous coal ... do	--------	43.4	36.0	42.8	41.8	42.9	41.7	46.7	46.7	43.6	43.7	r 36.4	44.3
Metalliferous ... do	--------	40.8	39.6	40.9	40.6	41.0	39.9	42.2	41.2	42.0	41.6	41.8	42.2
Quarrying and nonmetallic ... do	--------	45.7	45.4	46.5	46.1	46.1	45.4	45.8	43.1	42.8	43.5	44.5	45.6
Crude petroleum and natural gas ... do	--------	39.5	40.4	40.9	39.9	41.2	40.4	39.5	41.3	40.3	39.6	40.8	40.5
Public utilities:													
Electric light and power ... do	--------	40.9	41.5	41.6	41.0	41.9	41.6	41.4	41.9	41.6	41.0	r 42.2	41.6
Street railways and busses ... do	--------	49.3	48.4	48.6	47.5	47.7	47.3	47.9	47.7	48.0	47.8	47.8	47.6
Telegraph ... do	--------	44.5	45.2	45.4	44.8	44.4	43.5	43.2	43.8	44.0	43.7	47.3	46.0
Telephone ... do	--------	39.3	39.7	39.3	38.5	39.1	39.3	38.0	38.4	38.0	37.9	28.1	31.2
Services:													
Dyeing and cleaning ... do	--------	43.8	43.2	42.6	42.9	42.2	41.9	42.8	42.3	41.1	42.0	41.9	42.6
Power laundries ... do	--------	43.3	43.4	43.0	42.9	43.0	42.6	43.5	43.3	42.5	42.4	42.8	42.7
Trade:													
Retail ... do	--------	40.9	41.3	41.3	40.9	40.1	39.7	40.2	39.9	40.1	40.0	39.9	39.9
Wholesale ... do	--------	41.4	41.4	41.7	41.8	41.9	41.6	42.3	41.5	40.8	40.8	41.2	41.2
Industrial disputes (strikes and lockouts): ●													
Beginning in month:													
Work stoppages ... number	r 350	388	563	560	499	516	344	168	p 290	p 290	325	p 460	p 425
Workers involved ... thousands	p 475	181	228	227	356	307	435	76	p 100	p 90	100	p 600	p 200
In effect during month:													
Work stoppages ... number	p 600	758	910	965	853	848	677	402	p 460	p 460	p 500	p 625	p 650
Workers involved ... thousands	p 625	455	408	425	499	467	707	500	p 150	p 145	p 160	p 650	p 625
Man-days idle during month ... do	p 3,750	4,580	3,970	3,900	4,880	6,220	4,980	3,130	p 1,250	p 1,225	p 850	p 7,750	p 5,700
U. S. Employment Service placement activities:													
Nonagricultural placements† ... thousands	453	479	530	522	532	547	440	358	366	348	391	419	442
Unemployment compensation (Social Security Admin.):													
Initial claims* ... thousands	[1] 878	761	r 682	541	580	681	620	909	1,011	731	725	1,020	1,166
Continued claims⊙ ... do	[1] 4,906	5,395	5,504	4,604	3,895	4,141	3,492	4,119	4,982	4,488	4,684	4,833	r 4,802
Benefit payments:													
Beneficiaries, weekly average ⊗ ... do	[1] 1,006	1,174	1,069	980	839	765	710	748	893	911	974	929	r 940
Amount of payments ... thous. of dol	[1] 73,559	92,982	88,408	78,047	63,216	64,433	54,098	59,370	74,756	65,910	71,545	71,569	72,295
Veterans' unemployment allowances:*													
Initial claims ... thousands	492	602	657	602	449	413	405	583	638	444	397	373	354
Continued claims ... do	3,021	6,982	7,828	7,147	6,128	4,900	3,743	4,345	5,242	4,504	4,423	3,913	3,173
Claims filed during last week of month § ... do	722	1,744	1,720	1,650	1,304	1,019	877	935	1,168	1,149	1,002	850	§ 677
Amount of payments ... thous. of dol	58,509	150,063	152,648	148,016	124,082	100,380	74,421	81,964	106,586	88,364	89,052	78,806	63,721
Labor turn-over in manufacturing establishments: ♂													
Accession rate ... monthly rate per 100 employees	--------	6.7	7.4	7.0	7.1	6.8	5.7	4.3	6.0	5.0	5.1	p 5.1	p 4.7
Separation rate, total ... do	--------	5.7	5.8	6.6	6.9	6.3	4.9	4.5	4.9	4.5	4.9	p 5.2	p 5.4
Discharges ... do	--------	.3	.4	.4	.4	.4	.4	.4	.4	.4	.4	p .4	p .4
Lay-offs ... do	--------	1.2	.6	.7	1.0	1.0	.7	1.0	.9	.8	.9	p 1.0	p 1.5
Quits ... do	--------	4.0	4.6	5.3	5.3	4.7	3.7	3.0	3.5	3.2	3.5	p 3.7	p 3.4
Military and miscellaneous ... do	--------	.2	.2	.2	.2	.2	.1	.1	.1	.1	.1	p .1	p .1
PAY ROLLS													
Production-workers pay rolls, unadjusted index, all manufacturing (U. S. Dept. of Labor)† ... 1939=100	--------	262.8	267.1	284.4	290.3	292.8	298.2	306.2	307.3	310.6	r 314.1	r 310.7	312.1
Durable goods industries ... do	--------	289.1	296.3	316.1	323.3	328.1	331.1	337.3	340.0	344.6	r 349.9	r 349.9	353.6
Iron and steel and their products ... do	--------	240.3	247.5	265.9	273.6	273.7	280.8	276.2	287.9	237.9	294.2	r 297.5	306.7
Blast furnaces, steel works, and rolling mills ... 1939=100	--------	182.0	191.8	204.0	206.3	203.2	208.7	193.9	208.9	209.3	212.9	219.8	236.2
Electrical machinery ... do	--------	347.9	351.0	378.9	397.2	408.1	416.0	430.2	425.6	422.9	r 429.6	r 396.6	407.1
Machinery, except electrical ... do	--------	342.0	346.2	362.2	376.2	388.0	390.1	399.9	406.6	409.6	416.6	423.0	429.5
Machinery and machine-shop products ... do	--------	296.4	299.4	314.2	322.3	333.5	336.8	346.7	350.3	352.0	354.9	357.6	362.6
Machine tools‡ ... do	--------	270.4	262.3	281.4	285.5	291.9	285.5	290.7	282.7	278.9	275.6	269.7	263.6
Automobiles ... do	--------	259.9	292.8	319.0	330.3	324.3	325.7	328.9	321.1	337.3	347.7	343.4	327.6
Transportation equipment, except autos ... do	--------	557.5	558.7	558.1	524.1	542.3	531.1	571.2	562.6	558.2	556.9	565.3	558.9
Aircraft and parts (excluding engines)‡ ... do	--------	585.5	605.6	640.8	663.9	681.3	680.4	683.3	668.7	667.8	662.2	660.2	642.1
Aircraft engines‡ ... do	--------	469.4	468.9	498.3	507.8	530.2	484.3	533.7	535.0	506.8	479.9	487.6	431.6
Shipbuilding and boatbuilding‡ ... do	--------	483.4	468.8	421.5	352.5	353.7	336.8	399.1	395.8	377.9	r 386.0	r 399.1	397.2
Nonferrous metals and products ... do	--------	298.6	303.9	324.2	331.8	338.8	345.3	356.3	354.8	360.0	359.0	r 354.0	350.4
Lumber and timber basic products ... do	--------	261.9	252.1	285.6	285.2	292.0	284.7	290.6	292.4	310.7	r 310.1	r 323.4	351.4
Sawmills and logging camps‡ ... do	--------	r 286.3	r 276.1	r 313.1	r 309.8	r 315.0	r 305.7	r 306.9	r 309.2	r 333.4	r 334.5	r 350.5	384.5
Furniture and finished lumber products ... do	--------	233.3	231.9	250.0	254.4	264.2	268.5	279.1	283.1	292.0	292.0	286.8	285.1
Furniture ‡ ... do	--------	229.9	228.0	246.7	249.9	260.1	263.7	273.4	278.8	289.1	288.8	282.4	279.1
Stone, clay, and glass products ... do	--------	241.4	242.2	260.1	267.0	271.3	274.8	281.6	280.0	278.4	285.7	288.8	287.3
Nondurable goods industries ... do	--------	237.0	238.5	253.4	258.1	258.3	266.0	275.8	275.3	277.4	r 279.2	r 272.3	271.6
Textile-mill products and other fiber mfrs ... do	--------	217.2	213.3	229.4	235.5	241.1	246.0	253.7	254.3	262.0	265.0	255.4	248.3
Cotton manufactures, exc. small wares ... do	--------	248.2	246.1	275.5	281.7	285.4	293.5	301.2	304.4	309.1	322.0	314.8	303.2
Silk and rayon goods ... do	--------	166.8	166.3	181.4	180.9	189.3	191.4	197.9	201.3	206.9	208.8	200.9	200.4
Woolen and worsted manufactures (except dyeing and finishing) ... 1939=100	--------	238.5	228.6	234.1	242.7	243.7	242.7	253.0	251.8	275.0	262.0	248.3	240.5
Apparel and other finished textile products ... do	--------	258.6	240.3	272.5	283.0	283.6	283.2	292.7	300.6	314.1	r 317.5	r 279.8	272.1
Men's clothing‡ ... do	--------	230.3	215.3	236.4	242.7	246.2	271.9	278.4	277.2	280.8	281.3	267.1	270.5
Women's clothing‡ ... do	--------	283.2	254.2	306.3	320.1	311.8	284.9	296.3	340.0	344.8	340.0	277.7	260.3
Leather and leather products ... do	--------	204.9	198.7	199.6	204.7	199.5	201.6	218.3	220.8	223.0	r 222.2	r 214.6	207.0
Boots and shoes‡ ... do	--------	r 196.2	r 190.4	r 188.1	r 195.2	r 188.2	r 190.8	r 209.3	r 197.7	r 198.9	r 213.7	r 205.3	197.0
Food and kindred products ... do	--------	208.2	235.1	254.3	246.5	232.2	252.0	263.3	256.4	242.5	239.3	243.1	252.8
Baking ... do	--------	168.8	178.5	184.1	187.5	190.8	199.0	209.0	201.1	194.5	193.2	195.4	199.7
Canning and preserving ... do	--------	181.9	325.8	387.4	466.8	324.7	212.9	201.1	158.2	137.2	130.4	140.2	143.2
Slaughtering and meat packing ... do	--------	167.4	179.9	202.3	118.2	110.5	215.7	236.9	268.0	237.8	217.1	211.4	231.5

r Revised. p Preliminary. ‡See note marked "§" on p. S–10. ⊙ Small revisions in the data for January 1940 to May 1944 are available on request. [1] Partly estimated.

§ Week ended the last Saturday of the month.

⊗ Before July 1946 computed from weeks compensated in calendar month; thereafter, from weeks compensated in the weeks ended during the month.

● The series for "in effect during the month" continue data published in the Survey through the July 1944 issue. They include data for stoppages beginning in the month and those continuing from previous months; data for 1944–45 are shown on p. 23 of December 1946 Survey.

♂ Rates refer to all employes rather than to wage earners and are therefore not strictly comparable with data prior to 1943 published in the Survey.

*New series. Data on average hours for the telephone industry for 1937–43 are on p. 20 of the May 1945 Survey (see note for hours and earnings in the telephone industry at the bottom of p. S–13 of April 1946 Survey regarding a change in this series in April 1945) and data for the telegraph industry beginning June 1943 (the earliest available) are given in note on p. S–11 of the January 1945 issue; data beginning March 1942 for all other series on average hours are available in the May 1943 Survey and data back to 1939 will be published later. The new series on veterans' unemployment allowances relate to readjustment allowances payable under the Servicemen's Readjustment Act of 1944; data beginning September 1944 for these series and beginning 1939 for initial unemployment compensation claims will be shown later (see note in April 1946 Survey for definition of initial claims).

†Revised series. Data beginning June 1942 for nonagricultural placements are available in the August 1943 Survey; earlier data will be published later. For information regarding the revised indexes of production-worker pay rolls in manufacturing industries, see note marked "†" on p. S–10.

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

EMPLOYMENT CONDITIONS AND WAGES—Continued

	1947 June	1946 June	July	August	September	October	November	December	1947 January	February	March	April	May
PAY ROLLS—Continued													
Production-worker pay rolls, mfg. unadj.†—Con.													
Nondurable goods industries—Continued													
Tobacco manufactures 1939=100		184.1	178.3	186.2	196.0	207.4	212.7	222.0	209.4	201.0	193.1	r 181.6	182.8
Paper and allied products do		247.0	246.4	256.5	259.8	268.5	276.6	284.5	285.1	288.1	290.9	290.9	292.6
Paper and pulp do		216.7	218.4	227.8	228.0	234.9	240.3	244.9	246.9	251.4	252.5	254.8	259.0
Printing, publishing, and allied industries do		191.3	193.3	198.1	203.1	208.4	214.0	223.9	219.6	221.8	227.7	230.9	234.5
Newspapers and periodicals* do		162.0	163.7	168.8	175.6	178.9	182.0	189.7	185.2	191.0	196.9	201.7	208.8
Printing, book and job* do		204.6	209.1	210.4	215.8	220.8	227.9	239.4	235.2	234.2	238.9	240.3	240.4
Chemicals and allied products do		313.0	315.5	320.0	329.1	335.3	345.0	357.0	362.9	372.6	377.5	378.3	381.5
Chemicals do		283.0	289.2	288.0	289.6	294.0	301.3	313.4	321.0	323.5	326.8	329.5	334.9
Products of petroleum and coal do		242.5	251.0	253.1	257.4	252.7	252.6	250.9	253.9	256.8	262.1	264.2	274.7
Petroleum refining do		223.3	228.0	228.7	232.7	228.2	226.9	230.2	227.5	228.8	234.9	235.6	242.7
Rubber products do		331.4	321.4	336.9	363.9	361.3	377.4	392.2	386.3	385.0	374.3	383.9	371.2
Rubber tires and inner tubes do		318.3	304.3	311.2	348.9	346.1	360.3	368.9	361.2	357.7	r 343.2	r 357.2	349.0
Nonmanufacturing, unadjusted (U. S. Dept. of Labor):													
Mining:†													
Anthracite 1939=100		182.7	156.5	193.3	194.0	199.9	182.3	212.3	202.0	184.7	206.2	155.3	186.3
Bituminous coal do		243.8	198.4	241.0	234.9	237.1	233.1	258.3	265.4	248.7	245.6	192.4	248.0
Metalliferous do		126.9	132.4	145.2	147.0	148.0	146.9	159.3	156.8	162.0	162.6	164.7	172.1
Quarrying and nonmetallic do		207.7	213.6	225.1	227.9	227.6	222.4	221.9	204.8	205.6	213.7	233.2	241.7
Crude petroleum and natural gas† do		147.1	151.3	152.6	149.5	150.1	151.0	147.1	153.8	152.9	154.5	162.3	163.4
Public utilities:†													
Electric light and power do		148.4	150.2	152.4	153.3	155.3	157.6	161.6	159.5	163.7	160.8	r 166.5	168.2
Street railways and busses do		199.5	206.7	211.2	207.9	212.6	210.9	213.6	216.1	219.5	218.6	218.8	220.0
Telegraph do		174.9	173.6	178.5	177.3	201.7	194.2	190.5	189.1	185.4	r 198.0	239.3	226.9
Telephone do		259.9	268.8	267.6	265.0	269.2	273.0	264.5	267.5	269.4	267.2	136.1	196.9
Services:†													
Dyeing and cleaning do		236.6	231.3	216.9	225.6	225.7	217.0	219.5	213.8	204.7	214.7	221.7	231.5
Power laundries do		190.9	193.3	188.4	188.7	189.8	191.5	201.0	201.8	196.1	196.9	r 200.5	203.8
Year-round hotels do		205.0	204.9	208.9	209.5	214.5	218.5	218.8	215.1	216.6	216.8	219.4	221.1
Trade:													
Retail, total† do		171.3	172.6	174.6	180.8	182.5	191.7	212.2	187.2	187.5	190.1	192.6	195.1
Food* do		170.0	171.5	177.2	173.6	174.6	185.7	194.6	189.4	197.1	199.9	202.8	206.0
General merchandising† do		188.8	187.1	188.1	199.0	204.8	225.0	277.2	208.4	201.4	205.6	210.4	212.8
Wholesale† do		172.6	174.5	177.3	182.8	184.5	189.7	197.2	189.7	190.4	191.6	190.8	191.4
Water transportation* do		467.4	490.1	478.8	(1)	1 422.6							
WAGES													
Average weekly earnings, manufacturing industries:													
Natl. Ind. Con. Bd. (25 industries) dollars		47.20	47.64	48.74	49.14	49.79	50.14	50.30	51.62	52.10	52.10	r 52.79	53.59
U. S. Dept. of Labor, all manufacturing† do	p 48.91	43.31	43.38	44.99	45.39	45.73	45.79	46.96	47.10	47.29	r 47.69	r 47.48	r 48.46
Durable goods industries do	p 52.39	46.32	46.24	48.02	48.36	48.90	48.62	49.57	49.60	49.74	r 50.30	r 50.30	r 51.71
Iron and steel and their products† do		46.74	46.80	48.78	49.29	49.86	49.91	49.67	50.64	50.33	r 51.31	r 51.79	53.73
Blast furnaces, steel works, and rolling mills† dollars		46.98	47.85	49.84	50.28	50.39	50.82	48.59	50.89	50.67	51.77	52.83	56.26
Electrical machinery† do		45.72	45.59	47.49	48.31	48.28	48.33	49.13	48.63	48.13	r 49.07	r 48.40	50.24
Machinery, except electrical† do		50.04	49.76	50.99	51.74	52.57	52.06	52.87	53.12	53.22	r 53.82	r 54.25	55.21
Machinery and machine-shop products† do		49.70	49.49	51.15	51.05	51.91	51.38	52.62	52.78	52.61	53.10	53.31	54.44
Machine tools do		53.86	52.44	54.07	54.45	55.61	55.90	56.66	56.17	56.09	56.46	56.06	57.13
Automobiles† do		49.32	51.15	53.80	53.37	53.41	53.83	54.98	54.13	54.29	r 55.45	r 54.14	55.87
Transportation equipment, except autos do		53.32	53.70	53.91	52.65	54.32	52.37	55.35	54.48	54.34	r 54.25	r 54.23	55.23
Aircraft and parts (excluding engines) do		52.55	53.01	53.85	53.73	53.81	52.53	53.46	52.59	53.41	53.22	52.72	52.63
Aircraft engines* do		55.91	54.72	56.08	56.93	57.31	51.06	56.89	56.15	54.77	53.02	53.69	54.76
Shipbuilding and boatbuilding do		53.99	55.20	54.41	50.91	53.96	51.47	57.21	57.05	55.37	r 56.59	r 56.97	58.21
Nonferrous metals and products† do		47.61	46.68	48.00	48.55	48.92	49.24	50.40	49.91	50.12	r 50.26	r 50.33	51.22
Lumber and timber basic products† do		37.62	35.60	38.78	38.73	39.21	37.74	38.79	39.11	41.18	r 40.31	r 40.99	42.93
Sawmills and logging camps do		36.56	34.66	37.75	37.69	37.84	36.37	37.05	37.41	39.89	39.12	r 39.81	41.80
Furniture and finished lumber products† do		38.73	38.37	40.09	40.86	41.73	41.62	42.49	42.41	42.80	r 43.00	r 42.84	43.39
Furniture‡ do		39.31	38.80	40.85	41.62	42.42	42.41	43.04	43.35	44.20	44.33	44.07	44.34
Stone, clay, and glass products† do		42.01	41.80	43.23	44.03	44.46	44.91	45.89	45.58	45.49	r 46.38	r 46.55	47.34
Nondurable goods industries do	p 45.08	40.28	40.46	41.89	42.34	42.45	42.87	44.24	44.47	44.67	r 44.89	r 44.40	r 44.93
Textile-mill products and other fiber manufactures† dollars		35.02	34.76	37.00	37.54	38.09	38.38	39.26	39.29	40.32	41.01	40.12	39.89
Cotton manufacturers, except small wares† dollars		31.75	31.64	34.81	35.35	35.57	36.14	36.85	37.06	37.56	39.22	38.53	37.73
Silk and rayon goods† do		34.64	34.94	37.42	37.20	38.67	38.69	39.57	40.21	41.45	41.94	40.89	41.80
Woolen and worsted manufactures (except dyeing and finishing)† dollars		41.63	41.18	41.88	42.44	42.40	41.67	42.96	43.10	47.44	46.28	45.26	45.28
Apparel and other finished textile products† dollars		35.23	33.83	36.48	37.25	36.68	36.54	37.23	38.22	38.74	38.41	35.44	35.36
Men's clothing† do		38.18	35.84	38.11	39.14	38.89	41.39	41.78	41.70	41.86	r 41.99	40.16	41.18
Women's clothing§ do		44.02	42.67	47.45	47.82	46.25	43.28	44.14	47.30	48.77	47.75	42.32	41.33
Leather and leather products† do		37.34	36.46	36.74	37.49	37.07	37.24	39.83	40.18	40.29	r 40.11	r 39.44	39.50
Boots and shoes do		36.14	35.38	35.17	36.18	35.65	35.76	38.65	39.05	38.96	r 38.91	r 37.96	37.86
Food and kindred products† do		41.09	43.22	44.34	43.59	43.85	44.84	46.93	47.31	46.40	46.05	46.17	47.71
Baking do		41.42	43.81	44.63	44.60	45.45	46.01	47.55	46.32	45.80	45.17	45.26	46.55
Canning and preserving† do		35.78	38.89	41.12	41.50	40.82	35.28	37.93	36.55	36.82	37.40	38.49	39.52
Slaughtering and meat packing do		43.05	48.05	48.37	41.11	43.06	51.15	51.73	57.20	52.82	49.87	50.13	53.31
Tobacco manufactures† do		33.83	33.24	34.16	35.25	36.47	36.66	38.12	36.74	35.44	r 35.21	r 34.86	34.47
Paper and allied products† do		42.74	43.12	44.26	44.57	45.61	46.08	46.87	47.05	47.42	47.92	48.20	48.97
Paper and pulp do		45.34	46.06	47.56	47.55	49.05	49.37	49.92	50.18	50.98	51.27	52.07	52.82
Printing, publishing, and allied industries† dollars		51.73	51.79	53.01	53.96	54.28	55.11	57.03	56.60	56.74	58.19	58.81	59.68
Newspapers and periodicals* do		56.08	56.62	58.09	60.04	60.28	61.11	62.95	62.08	63.00	64.25	65.29	67.10
Printing, book and job* do		49.82	50.03	50.83	51.50	51.50	52.60	54.98	54.19	54.07	r 55.67	56.05	56.32
Chemicals and allied products† do		43.95	44.67	44.91	45.41	45.50	45.88	47.14	47.39	48.17	r 48.60	r 48.93	49.77
Chemicals do		50.69	52.09	51.81	52.61	52.87	52.96	54.15	54.77	55.10	r 55.33	55.45	56.38
Products of petroleum and coal† do		53.34	54.19	54.36	55.25	54.38	54.50	54.55	55.24	55.39	56.53	r 57.29	57.97
Petroleum refining do		56.46	57.02	57.10	58.35	57.32	57.11	57.80	57.74	57.75	59.15	60.22	60.01
Rubber products† do		50.45	50.60	51.03	53.69	51.74	52.93	54.63	54.03	54.06	r 52.97	r 55.23	55.98
Rubber tires and inner tubes do		54.82	56.11	55.42	59.89	57.38	58.87	60.46	59.78	59.90	r 58.05	61.64	61.96

r Revised. p Preliminary.

1 Data for October 1946 relate to the end of the preceding month. Data for the week ending September 15th are not available. The index has been temporarily discontinued.

‡Sample was changed in November 1942; data are not strictly comparable with figures prior to that month.

§Sample was changed in July 1942; data are not strictly comparable with figures prior to that month.

*New series. Indexes of pay rolls beginning 1939 for retail food establishments and 1940 for water transportation are shown on p. 31 of the June 1943 Survey. Data beginning 1932 for the newspapers and printing, book and job, industries will be published later; see November 1943 Survey for data beginning August 1942. Data for the aircraft engine industry beginning 1939 will also be published later.

†Revised series. See note marked "†" on p. S-10 regarding revisions in the indexes of pay rolls in manufacturing industries and reference to revised data and note marked "†" on p. S-11 for reference to revised data for pay rolls in nonmanufacturing industries. 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); data prior to 1942 have not been published in the Survey and will be shown in a later issue; there were no revisions in the data for industries that do not carry a reference to this note.

EMPLOYMENT CONDITIONS AND WAGES—Continued

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1947	1946							1947				
	June	June	July	August	September	October	November	December	January	February	March	April	May
WAGES—Continued													
Average hourly earnings:													
Natl. Ind. Con. Bd. (25 mfg. industries)......dollars		1.189	1.194	1.217	1.229	1.231	1.243	1.247	1.268	1.279	1.285	r 1.304	1.329
U. S. Dept. of Labor, all manufacturing†......do	p 1.220	1.084	1.093	1.112	1.126	1.130	1.139	1.148	1.161	1.170	1.180	1.186	r 1.208
Durable goods industries†......do	p 1.294	1.165	1.177	1.186	1.201	1.202	1.210	1.216	1.224	1.229	r 1.236	r 1.243	r 1.277
Iron and steel and their products†......do		1.206	1.216	1.222	1.241	1.239	1.247	1.248	1.261	1.258	1.269	1.281	1.331
Blast furnaces, steel works, and rolling mills† do		1.303	1.314	1.305	1.325	1.303	1.310	1.314	1.332	1.317	1.333	1.347	1.436
Electrical machinery†......do		1.148	1.158	1.169	1.185	1.186	1.191	1.195	1.199	1.203	r 1.212	r 1.210	1.264
Machinery, except electrical†......do		1.223	1.232	1.246	1.260	1.266	1.273	1.277	1.283	1.290	1.298	r 1.308	1.336
Machinery and machine-shop products†..do		1.202	1.212	1.228	1.238	1.245	1.249	1.257	1.264	1.267	1.275	1.279	1.307
Machine tools......do		1.277	1.269	1.291	1.300	1.306	1.322	1.322	1.326	1.325	1.334	1.334	1.357
Automobiles†......do		1.347	1.354	1.373	1.385	1.376	1.394	1.395	1.390	1.399	r 1.396	r 1.406	1.461
Transportation equipment, except autos†..do		1.350	1.366	1.359	1.356	1.359	1.364	1.362	1.356	1.367	r 1.362	r 1.362	1.375
Aircraft and parts (excluding engines)....do		1.302	1.325	1.323	1.323	1.326	1.326	1.325	1.321	1.332	1.338	1.326	1.327
Aircraft engines*......do		1.343	1.348	1.354	1.357	1.363	1.373	1.357	1.357	1.344	1.344	r 1.351	1,383
Shipbuilding and boatbuilding......do		1.416	1.436	1.431	1.426	1.432	1.441	1.430	1.420	1.442	r 1.418	r 1.426	1.437
Nonferrous metals and products†......do		1.163	1.166	1.177	1.192	1.195	1.204	1.210	1.217	1.222	1.226	r 1.234	1.261
Lumber and timber basic products†......do		.908	.910	.928	.935	.936	.931	.931	.962	r .979	r .983	r .990	1.024
Sawmills and logging camps......do		.888	.892	.911	.915	.913	.906	.901	.935	r .954	.965	.972	1.006
Furniture and finished lumber products†...do		.927	.937	.957	.977	.990	.999	1.007	1.015	1.022	r 1.031	r 1.031	1.045
Furniture......do		.950	.957	.982	1.002	1.014	1.024	1.034	1.046	1.049	1.059	1.063	1.073
Stone, clay, and glass products†......do		1.041	1.057	1.063	1.087	1.096	1.114	1.119	1.125	1.133	1.144	1.149	1.174
Nondurable goods industries†......do	p 1.138	1.003	1.009	1.036	1.050	1.056	1.065	1.077	1.094	1.107	1.119	1.122	r 1.131
Textile-mill products and other fiber manufactures†......dollars		.875	.877	.924	.940	.948	.955	.959	.970	.997	1.024	1.027	1.025
Cotton manufactures, except small wares† dollars		.803	.803	.875	.888	.892	.898	.900	.914	.927	.979	.981	.974
Silk and rayon goods†......do		.850	.858	.906	.922	.931	.941	.944	.975	.996	1.012	1.016	1.020
Woolen and worsted manufactures (except dyeing and finishing)†......dollars		1.014	1.017	1.024	1.034	1.037	1.038	1.039	1.045	1.156	1.155	1.159	1.158
Apparel and other finished textile products† dollars		.951	.941	.986	1.010	.997	.998	1.006	1.037	1.049	1.045	.999	.988
Men's clothing†......do		.999	.985	1.009	1.027	1.024	1.086	1.089	1.095	1.097	r 1.106	r 1.095	1.106
Women's clothing§......do		1.191	1.180	1.263	1.300	1.266	1.211	1.223	1.297	1.314	1.293	1.200	1.165
Leather and leather products†......do		.950	.954	.972	.982	.987	1.004	1.018	1.023	1.021	r 1.028	r 1.029	1.033
Boots and shoes......do		.923	.927	.945	.955	.960	.978	.995	.995	.989	r .999	.998	.998
Food and kindred products†......do		.972	.986	1.015	1.013	1.035	1.046	1.058	1.084	1.088	1.088	1.097	1.110
Baking......do		.945	.980	.994	1.003	1.042	1.045	1.051	1.056	1.060	1.057	1.065	1.083
Canning and preserving†......do		.898	.904	.976	.960	.983	.950	.982	.975	.997	.995	1.019	1.036
Slaughtering and meat packing......do		1.095	1.115	1.116	1.144	1.147	1.137	1.119	1.206	1.193	r 1.188	r 1.097	1.110
Tobacco manufactures†......do		.846	.851	.885	.893	.905	.924	.947	.938	.937	.939	r .949	.949
Paper and allied products†......do		.993	1.007	1.020	1.037	1.050	1.064	1.071	1.088	1.098	1.109	1.121	1.135
Paper and pulp......do		1.038	1.053	1.070	1.085	1.102	1.111	1.119	1.134	1.149	1.157	1.173	1.184
Printing, publishing, and allied industries†.do		1.278	1.287	1.299	1.315	1.325	1.343	1.374	1.381	1.415	r 1.443	1.465	1.491
Newspapers and periodicals*......do		1.449	1.459	1.475	1.495	1.511	1.528	1.569	1.575	1.607	1.626	1.651	1.699
Printing, book and job*......do		1.203	1.212	1.220	1.232	1.238	1.259	1.295	1.297	1.336	r 1.364	1.382	1.395
Chemicals and allied products†......do		1.084	1.098	1.102	1.110	1.102	1.112	1.133	1.143	1.165	1.177	1.193	1.210
Chemicals......do		1.243	1.256	1.260	1.281	1.278	1.288	1.316	1.327	1.342	r 1.351	r 1.359	1.375
Products of petroleum and coal†......do		1.347	1.355	1.347	1.368	1.347	1.351	1.362	1.372	1.382	1.408	1.410	1.441
Petroleum refining......do		1.431	1.437	1.427	1.453	1.428	1.429	1.434	1.447	1.451	1.488	1.490	1.509
Rubber products†......do		1.283	1.292	1.295	1.323	1.313	1.322	1.331	1.330	1.331	r 1.330	1.397	1.430
Rubber tires and inner tubes......do		1.461	1.472	1.474	1.507	1.492	1.503	1.513	1.511	1.517	r 1.512	r 1.608	1.642
Nonmanufacturing industries (U. S. Dept. of Labor)*:													
Building construction......dollars		1.444	1.473	1.482	1.510	1.526	1.549	1.569	1.594	1.598	1.610	1.634	p 1.656
Mining:													
Anthracite......do		1.559	1.562	1.598	1.611	1.593	1.582	1.615	1.594	1.637	1.632	1.545	1.593
Bituminous coal......do		1.474	1.457	1.466	1.480	1.460	1.477	1.491	1.490	1.491	1.484	r 1.483	1.470
Metalliferous......do		1.180	1.205	1.212	1.221	1.210	1.219	1.232	1.229	1.238	1.241	1.237	1.278
Quarrying and nonmetallic......do		.994	1.004	1.016	1.042	1.047	1.045	1.052	1.058	1.062	1.069	1.080	1.082
Crude petroleum and natural gas......do		1.322	1.311	1.307	1.334	1.308	1.334	1.346	1.355	1.390	1.421	1.444	1.448
Public utilities:													
Electric light and power......do		1.275	1.258	1.260	1.291	1.284	1.302	1.337	1.313	1.352	1.341	r 1.343	1.358
Street railways and busses......do		1.053	1.097	1.099	1.110	1.130	1.125	1.142	1.165	1.174	1.184	1.190	1.195
Telegraph♂......do		.908	.910	.910	.914	1.067	1.063	1.062	1.069	1.164	1.164	1.252	1.242
Telephone‡......do		1.147	1.135	1.129	1.148	1.137	1.131	1.132	1.132	1.141	1.124	1.147	1.188
Services:													
Dyeing and cleaning●......do		.834	.826	.832	.839	.854	.854	.867	.874	.861	.876	.888	.894
Power laundries●......do		.703	.698	.693	.708	.708	.729	.739	.745	.748	.759	r .757	.756
Trade:													
Retail......do		.876	.888	.893	.908	.907	.917	.919	.953	.957	r .960	.973	.986
Wholesale......do		1.146	1.155	1.148	1.179	1.172	1.186	1.202	1.197	1.230	1.231	1.229	1.241
Miscellaneous wage data:													
Construction wage rates (E. N. R.):¶													
Common labor......dol. per hr	1.189	1.034	1.058	1.071	1.072	1.073	1.078	1.085	1.109	1.123	1.123	1.138	1.146
Skilled labor......do	2.01	1.80	1.81	1.82	1.85	1.85	1.86	1.86	1.89	1.92	1.92	1.94	1.94
Farm wages without board (quarterly) dol. per month	[1] 114.00		106.00			104.00			106.00			107.00	
Railway wages (average, class I)......dol. per hr		1.139	1.136	1.130	1.155	1.132	1.146	1.150	1.146	1.173	1.146	1.136	1.136
Road-building wages, common labor:													
United States average......do	.89	.81	.80	.86	.84	.87	.86	.83	.84	.81	.84	.86	.88
PUBLIC ASSISTANCE													
Total public assistance......mil. of dol	p 122	95	96	97	99	107	110	114	116	118	121	122	122
Old-age assistance, and aid to dependent children and the blind, total......mil. of dol	p 109	85	86	87	89	96	99	102	103	104	107	108	r 108
Old-age assistance......do	p 82	66	67	68	69	74	76	77	78	79	81	81	81
General relief......do	p 13	9	9	10	10	11	11	12	13	14	14	14	r 14

r Revised. p Preliminary. [1] Rate as of July 1. § Sample was changed in November 1942; data are not strictly comparable with figures prior to that month.

● The comparability of the series was affected by a change in the data in July 1945; see January 1946 Survey for June 1945 figures on both the old and the new basis.

‡ Data beginning April 1945 are not comparable with earlier data; see note for hours and earnings in telephone industry at the bottom of p. S–13 of the April 1946 Survey.

¶ Rates as of July 1, 1947: Construction—common labor, $1.217; skilled labor, $2.07.

♂Data beginning February 1947 include increases amounting to approximately ten cents per hour set aside by the Western Union Telegraph Company as a result of awards or recommendations of Governmental boards but not yet distributed pending completion of job classification structure; approximately 6 cents of this increase has been accruing since December 1945 and the remainder since June 1946.

*New series. Data on hourly earnings for 1937–43 for the telephone industry are shown on p. 20 of the May 1945 Survey (see also note marked "‡" above regarding a change in the data in April 1945) and data for the telegraph industry beginning June 1943 are on p. S–14 of the January 1945 issue. Data on hourly earnings beginning March 1942 for the other nonmanufacturing industries and beginning August 1942 for the printing and publishing subgroups are available, respectively, in the May 1943 and November 1943 issues, and data back to 1939 will be published later.

† Revised series. See note marked "†" on p. S–13.

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

FINANCE

Item	1947 June	1946 June	July	August	September	October	November	December	1947 January	February	March	April	May
BANKING													
Agricultural loans outstanding of agencies supervised by the Farm Credit Administration:⊕													
Total ... mil. of dol.	1,706	1,779	1,770	1,751	1,741	1,717	1,690	1,661	1,662	1,670	1,654	1,671	1,683
Farm mortgage loans, total ... do.	1,033	1,182	1,169	1,151	1,136	1,117	1,099	1,085	1,068	1,060	1,048	1,040	1,034
Federal land banks ... do.	910	1,008	1,001	989	979	966	954	944	932	928	919	913	910
Land Bank Commissioner ... do.	123	174	168	162	157	151	145	140	135	133	129	126	124
Loans to cooperatives, total ... do.	159	118	124	130	151	180	189	188	195	194	182	158	152
Banks for cooperatives, incl. central bank ... do.	155	115	118	125	146	175	183	182	187	187	175	153	148
Agr. Marketing Act revolving fund ... do.	1	3	3	2	2	2	2	2	2	2	2	2	2
Short term credit, total ... do.	514	479	477	470	454	421	401	389	399	416	444	473	497
Federal intermediate credit banks ‡ ... do.	39	34	33	32	30	30	33	34	35	32	31	33	35
Production credit associations ... do.	362	304	305	302	291	264	245	234	245	266	296	323	346
Regional agricultural credit corporations ... do.	2	4	4	3	3	3	3	3	2	2	2	2	2
Emergency crop loans ... do.	83	105	104	102	98	93	91	88	87	86	86	85	85
Drought relief loans ... do.	28	32	32	31	31	31	30	30	29	29	29	29	29
Bank debits, total (141 centers)† ... do.	84,925	78,191	82,374	73,900	74,552	81,583	77,193	93,547	83,452	72,943	83,505	78,301	78,354
New York City ... do.	35,632	34,972	37,357	30,216	31,397	33,913	31,088	41,252	34,305	29,745	33,547	31,391	30,895
Outside New York City ... do.	49,293	43,219	45,017	43,684	43,155	47,671	46,105	52,295	49,147	43,198	49,958	46,910	47,459
Federal Reserve banks, condition, end of month:													
Assets, total ... do.	44,425	44,828	44,625	45,045	44,813	44,889	45,647	45,006	45,957	46,547	44,931	44,236	44,882
Reserve bank credit outstanding, total ... do.	22,170	24,456	24,164	24,748	24,594	24,109	24,791	24,093	24,754	24,846	23,431	22,205	22,738
Bills discounted ... do.	70	157	245	331	213	253	316	163	308	356	538	125	179
United States securities ... do.	21,872	23,783	23,633	23,946	24,049	23,518	23,944	23,350	23,941	24,117	22,593	21,857	22,088
Gold certificate reserves⊗ ... do.	20,039	18,103	18,105	18,098	18,095	18,229	18,310	18,381	18,627	19,113	19,222	19,537	19,689
Liabilities, total ... do.	44,425	44,828	44,625	45,045	44,813	44,889	45,647	45,006	45,957	46,547	44,931	44,236	44,882
Deposits, total ... do.	17,748	18,206	17,906	18,294	18,060	17,579	18,083	17,353	18,928	19,489	18,249	17,470	18,009
Member bank reserve balances ... do.	16,112	16,123	15,991	16,245	15,910	15,931	16,513	16,139	16,063	15,895	15,264	15,826	16,238
Excess reserves (estimated) ... do.	p 784	1,112	856	1,085	725	567	1,063	562	663	847	344	654	r 991
Federal Reserve notes in circulation ... do.	24,154	24,191	24,244	24,412	24,448	24,583	24,799	24,945	24,387	24,320	24,162	24,022	24,120
Reserve ratio ... percent	47.8	42.7	43.0	42.4	42.6	43.2	42.7	43.5	43.0	43.6	45.3	47.1	46.7
Federal Reserve weekly reporting member banks, condition, Wednesday nearest end of month:†													
Deposits:													
Demand, adjusted ... mil. of dol.	46,602	45,417	45,650	45,625	45,621	46,187	46,751	46,582	46,552	45,124	44,482	46,150	46,314
Demand, except interbank:													
Individuals, partnerships, and corporations ... do.	46,443	45,307	45,546	45,301	45,584	46,186	46,978	47,252	46,106	45,199	44,210	45,798	45,807
States and political subdivisions ... do.	3,191	2,837	2,791	2,773	2,872	2,757	2,796	2,907	2,948	2,937	3,075	3,350	3,268
United States Government ... do.	596	8,188	7,781	6,993	5,003	4,956	3,762	1,917	1,819	2,135	1,817	1,476	1,119
Time, except interbank, total ... do.	14,460	13,512	13,634	13,725	13,806	13,871	13,902	14,063	14,096	14,226	14,303	14,349	14,411
Individuals, partnerships, and corporations ... do.	14,055	13,249	13,346	13,424	13,504	13,573	13,585	13,719	13,775	13,887	13,936	13,955	14,005
States and political subdivisions ... do.	328	191	214	222	226	222	240	259	237	254	285	312	324
Interbank§ ... do.	10,532	11,246	11,166	11,079	11,146	11,094	10,970	11,269	10,705	10,546	10,636	10,351	10,126
Investments, total ... do.	43,094	52,247	51,827	50,868	48,449	48,336	46,996	45,037	44,601	43,550	42,959	43,574	43,224
U. S. Government obligations, direct and guaranteed, total ... mil. of dol.	38,990	48,303	47,808	46,884	44,281	44,375	43,069	41,053	40,642	39,619	38,850	39,465	39,220
Bills ... do.	989	1,131	875	824	746	741	795	962	438	424	692	753	827
Certificates ... do.	4,648	11,425	11,111	10,208	7,792	7,994	6,742	6,299	6,345	5,382	5,036	5,402	5,135
Bonds (incl. guaranteed obligations) ... do.	30,701	30,083	30,290	30,436	30,566	30,636	30,574	30,374	30,398	30,354	30,307	30,472	30,556
Notes ... do.	2,652	5,664	5,532	5,416	5,177	5,004	4,958	3,418	3,461	3,459	2,815	2,838	2,702
Other securities ... do.	4,104	3,944	4,019	3,984	4,168	3,961	3,927	3,984	3,959	3,931	4,109	4,109	4,004
Loans, total ... do.	20,277	17,182	17,250	17,507	18,001	18,704	19,246	19,417	19,566	19,759	20,020	19,864	20,015
Commercial, industrial, and agricultural ... do.	11,809	8,475	8,916	9,444	10,180	10,825	11,234	11,346	11,599	11,820	12,271	12,043	11,792
To brokers and dealers in securities ... do.	1,266	2,110	1,749	1,503	1,367	1,299	1,442	1,471	1,235	1,191	874	833	1,169
Other loans for purchasing or carrying securities ... mil. of dol.	986	2,154	2,015	1,867	1,616	1,506	1,389	1,256	1,139	1,112	1,063	1,051	1,009
Real estate loans ... do.	2,981	1,989	2,071	2,140	2,241	2,324	2,400	2,490	2,563	2,631	2,739	2,831	2,897
Loans to banks ... do.	158	183	195	188	134	199	152	72	215	170	179	184	191
Other loans ... do.	3,077	2,271	2,304	2,365	2,463	2,551	2,629	2,782	2,815	2,835	2,894	2,922	2,957
Money and interest rates:¶													
Bank rates to customers:													
New York City ... percent	1.83	1.84			1.83			1.85			1.82		
7 other northern and eastern cities ... do.	2.44	2.51			2.43			2.43			2.37		
11 southern and western cities ... do.	2.95	2.97			2.75			2.76			2.80		
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.	1.63	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.63	1.63	1.63
Open market rates, New York City:													
Prevailing rate:													
Acceptances, prime, bankers', 90 days ... do.	.81	.50	.59	.71	.81	.81	.81	.81	.81	.81	.81	.81	.81
Commercial paper, prime, 4–6 months ... do.	1.00	.75	.77	.81	.81	.88	.94	1.00	1.00	1.00	1.00	1.00	1.00
Time loans, 90 days (N. Y. S. E.) ... do.	1.50	1.25	1.25	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
Average rate:													
Call loans, renewal (N. Y. S. E.) ... do.	1.38	1.00	1.00	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38
U. S. Treasury bills, 3-mo. ... do.	.376	.375	.375	.375	.375	.375	.376	.375	.376	.376	.376	.376	.376
Average yield, U. S. Treasury notes, 3–5 yrs.: Taxable* ... do.	1.21	1.15	1.13	1.14	1.22	1.24	1.22	1.22	1.18	1.18	1.17	1.17	1.19
Savings deposits, New York State savings banks:													
Amount due depositors ... mil. of dol.	9,535	8,762	8,825	8,875	8,919	8,958	9,013	9,170	9,232	9,278	9,340	9,377	9,427
U. S. Postal Savings:													
Balance to credit of depositors ... do.	p 3,397	3,120	3,160	3,188	3,207	3,235	3,260	3,284	3,331	3,355	3,379	r 3,382	p 3,393
CONSUMER SHORT-TERM CREDIT													
Total consumer short-term debt, end of month* ... do.	p 10,884	7,905	8,025	8,362	8,631	9,013	9,527	10,147	9,967	9,910	10,216	r 10,407	p 10,663
Instalment debt, total* ... do.	p 4,906	2,902	3,022	3,165	3,288	3,458	3,646	3,976	4,048	4,157	4,329	r 4,537	p 4,741
Sale debt, total* ... do.	p 2,004	1,035	1,070	1,124	1,177	1,261	1,358	1,558	1,566	1,609	1,695	1,813	p 1,922
Automobile dealers* ... do.	p 862	336	365	394	425	466	505	544	581	631	691	753	p 810
Department stores and mail-order houses* ... do.	p 413	210	212	221	235	257	284	337	337	338	358	386	p 409
Furniture stores* ... do.	p 396	299	299	308	311	322	337	366	352	349	354	366	p 382
Household appliance stores* ... do.	p 35	17	20	22	23	25	26	28	27	30	29	32	p 32
Jewelry stores* ... do.	p 118	63	63	64	65	66	72	123	114	107	105	109	p 114
All other* ... do.	p 180	110	111	115	118	125	134	160	155	154	158	167	p 175

r Revised. p Preliminary. ¶ For bond yields see p. S-19. § Includes domestic and foreign bank deposits.

⊕ Effective Nov. 1, 1946, jurisdiction over the emergency crop and drought relief loans included above was transferred to the Farmers Home Administration.

♂ Rate on all loans; see note on item in April 1946 Survey.

‡ Excludes loans to other Farm Credit Administration agencies.

New series. Data beginning December 1940 for the series on taxable Treasury notes are available on p. S-14 of the April 1942 and later issues of the Survey; since Dec. 15, 1945, this series represents price of Treasury bonds of Dec. 15 1950. For information regarding the series on consumer credit see note marked "" on p. S-16.

†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 revised to increase and improve the coverage; a number of important cities have been added while some cities formerly included have been eliminated and the coverage within included cities has been broadened; in addition, all branches of reporting banks are included, regardless of the location. The total number of cities, including only the head-office city of branch systems, has been reduced from 101 to 94 while the number of banks reporting has been increased from 371 to 441. The percentage of total commercial bank deposits represented by the series has been increased from 49 to 57. Revised figures are available only beginning July 2, 1946 (shown here as June). See July 1947 Survey for June 1946–May 1947 figures comparable with earlier data.

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1947	1946							1947				
	June	June	July	August	September	October	November	December	January	February	March	April	May
FINANCE—Continued													
CONSUMER SHORT-TERM CREDIT—Con.													
Total consumer short-term debt—Continued.													
Instalment debt—Continued.													
Cash loan debt, total* ... mil. of dol.	p 2,902	1,867	1,952	2,041	2,111	2,197	2,288	2,418	2,482	2,548	2,634	r 2,724	p 2,819
Commercial banks* ... do.	p 1,197	702	744	790	824	865	907	956	1,991	1,030	1,079	1,123	p 1,167
Credit unions ... do.	p 224	149	155	158	164	171	176	185	185	190	197	204	p 213
Industrial banks* ... do.	p 143	92	96	100	103	108	112	117	122	125	128	133	p 138
Industrial loan companies* ... do.	p 118	79	81	84	86	90	94	98	102	105	108	113	p 116
Small loan companies ... do.	p 638	498	512	527	536	547	565	608	611	611	617	627	p 633
Insured repair and modernization loans* ... do.	p 469	248	263	280	295	312	328	344	360	377	394	r 412	p 439
Miscellaneous lenders* ... do.	p 113	99	101	102	103	104	106	110	110	110	111	112	p 113
Charge account sale debt* ... do.	p 2,887	2,327	2,281	2,418	2,495	2,621	2,859	3,054	2,764	2,602	2,768	2,782	p 2,835
Single payment loans* ... do.	p 2,216	1,846	1,886	1,938	2,000	2,081	2,164	2,253	2,286	2,277	2,243	2,215	p 2,213
Service credit* ... do.	p 875	830	836	841	848	853	858	864	869	874	876	873	p 874
Consumer instalment loans made by principal lending institutions:													
Commercial banks* ... mil. of dol.	p 211	148	155	164	156	176	172	191	187	180	214	213	p 212
Credit unions ... do.	p 44	28	29	30	31	34	33	39	33	33	38	39	p 42
Industrial banks* ... do.	p 26	19	20	20	20	21	22	26	22	21	24	24	p 24
Industrial loan companies* ... do.	p 24	17	17	18	18	19	20	25	20	20	23	24	p 24
Small loan companies ... do.	p 117	98	105	108	96	105	122	166	98	90	121	116	p 115
LIFE INSURANCE													
Life Insurance Association of America:													
Assets, admitted, total‡▲ ... mil. of dol.	40,057	37,552	37,765	37,911	38,079	38,281	38,459	38,813	39,032	39,206	39,450	39,606	39,776
Mortgage loans, total ... do.	5,837	5,213	5,226	5,255	5,289	5,317	5,365	5,437	5,480	5,542	5,601	5,661	5,750
Farm ... do.	624	587	590	592	592	593	592	593	592	595	593	605	615
Other ... do.	5,213	4,626	4,636	4,663	4,697	4,724	4,773	4,844	4,888	4,947	5,008	5,056	5,135
Real-estate holdings ... do.	622	602	601	597	594	591	590	584	601	601	597	605	614
Policy loans and premium notes ... do.	1,481	1,484	1,479	1,475	1,475	1,474	1,472	1,471	1,470	1,469	1,471	1,473	1,477
Bonds and stocks held (book value), total ... do.	30,740	28,927	29,069	29,335	29,504	29,642	29,678	30,043	30,177	30,329	30,102	30,431	30,579
Govt. (domestic and foreign), total ... do.	19,093	19,645	19,688	19,701	19,754	19,673	19,558	19,574	19,542	19,571	19,274	19,296	19,274
U. S. Government ... do.	17,704	18,323	18,368	18,382	18,425	18,343	18,231	18,225	18,192	18,198	17,880	17,904	17,888
Public utility ... do.	4,965	4,322	4,390	4,400	4,454	4,493	4,502	4,531	4,551	4,567	4,568	4,691	4,751
Railroad ... do.	2,522	2,556	2,536	2,531	2,522	2,527	2,517	2,490	2,498	2,497	2,496	2,489	2,491
Other ... do.	4,160	2,404	2,455	2,703	2,774	2,949	3,101	3,448	3,586	3,694	3,764	3,955	4,063
Cash ... do.	588	651	715	566	540	550	581	473	552	470	878	649	568
Other admitted assets ... do.	789	675	675	683	677	707	773	805	772	795	801	787	788
Premium collections, total ⊗ ... thous. of dol.		368,226	361,400	343,080	352,230	350,547	348,274	491,797	414,523	383,857	411,308	351,978	381,212
Annuities ... do.		38,324	61,363	37,944	38,807	50,716	39,224	94,380	73,068	48,211	50,339	41,964	40,289
Group ... do.		20,413	25,199	25,233	23,085	25,306	22,572	32,320	37,833	25,975	24,554	30,216	27,162
Industrial ... do.		72,043	63,947	63,834	71,062	64,910	61,902	92,701	69,466	68,491	74,642	63,629	65,497
Ordinary ... do.		237,446	210,891	216,069	219,276	209,615	224,576	272,396	234,156	241,180	261,773	216,169	248,264
Institute of Life Insurance:*													
Payments to policyholders and beneficiaries, total ... thous. of dol.		221,997	225,877	216,264	210,898	235,775	213,743	258,173	266,447	238,744	266,482	250,576	245,999
Death claim payments ... do.		98,789	106,743	101,276	93,979	111,755	99,258	108,249	116,105	107,841	120,772	112,363	111,679
Matured endowments ... do.		29,860	32,923	28,974	28,773	35,899	31,022	32,312	39,995	36,123	38,298	38,468	34,595
Disability payments ... do.		7,438	7,496	8,120	7,334	7,996	6,999	7,888	8,747	7,393	7,907	7,583	7,693
Annuity payments ... do.		17,309	16,881	16,950	16,964	17,721	16,466	15,550	22,581	17,911	17,213	18,482	18,315
Dividends ... do.		44,063	36,694	35,604	38,415	36,232	35,226	63,581	50,818	41,377	51,324	41,898	41,269
Surrender values, premium notes, etc ... do.		24,538	25,140	25,340	25,433	26,172	24,772	30,593	28,201	28,099	30,968	31,782	32,448
Life Insurance Agency Management Association:													
Insurance written (new paid-for-insurance):†													
Value, total ... thous. of dol.	1,829,937	1,863,485	1,952,159	1,796,758	1,710,536	1,796,548	1,648,423	1,962,873	1,741,639	1,718,329	1,845,995	1,796,174	1,829,245
Group ... do.	291,212	183,743	284,896	200,518	238,591	198,701	162,146	475,709	184,095	181,554	181,315	167,136	226,596
Industrial ... do.	349,725	338,999	323,861	323,504	346,116	347,220	343,113	290,439	328,518	350,029	381,519	359,906	372,892
Ordinary, total ... do.	1,189,000	1,340,743	1,343,402	1,272,736	1,125,829	1,250,627	1,143,164	1,196,725	1,229,026	1,186,746	1,283,161	1,269,132	1,229,757
New England ... do.	78,555	95,427	92,405	83,317	73,205	87,873	76,411	76,533	94,184	87,542	87,521	89,694	84,104
Middle Atlantic ... do.	284,748	336,659	327,627	301,929	259,183	311,142	283,614	274,362	325,519	300,770	314,208	313,179	301,884
East North Central ... do.	259,390	290,952	292,432	282,453	249,867	273,028	253,324	263,294	278,083	263,884	280,199	275,438	267,028
West North Central ... do.	118,937	130,779	127,881	125,687	112,704	118,363	108,934	121,356	117,441	113,795	123,723	124,683	119,665
South Atlantic ... do.	132,384	145,156	154,781	142,193	128,777	141,415	126,228	132,946	121,406	126,064	137,364	138,713	131,960
East South Central ... do.	46,620	55,645	54,326	53,232	47,732	49,697	44,003	46,441	41,814	43,998	49,692	47,584	47,673
West South Central ... do.	95,612	107,384	112,081	108,188	94,957	95,720	88,917	95,921	87,868	88,359	102,648	99,577	96,854
Mountain ... do.	40,382	40,797	42,803	43,087	38,138	41,644	37,774	44,353	36,348	37,532	41,672	41,950	41,843
Pacific ... do.	132,372	137,944	139,036	132,650	121,266	131,745	123,959	141,519	126,363	124,802	146,134	138,314	138,746
MONETARY STATISTICS													
Foreign exchange rates:													
Argentina ... dol. per paper peso	.298	.298	.298	.298	.298	.298	.298	.298	.298	.298	.298	.298	.298
Brazil, free ♂ ... dol. per cruzeiro	.054	.052	.052	.054	.054	.054	.054	.054	.054	.054	.054	.054	.054
British India ... dol. per rupee	.302	.302	.302	.302	.302	.302	.302	.302	.302	.302	.302	.302	.302
Canada, free rate§ ... dol. per Canadian dol.	.916	.906	.967	.968	.963	.960	.952	.954	.951	.957	.942	.919	.920
Colombia ... dol. per peso	.570	.570	.570	.570	.570	.570	.571	.571	.571	.570	.570	.570	.570
Mexico ... do.	.206	.206	.206	.206	.206	.206	.206	.206	.206	.206	.206	.206	.206
United Kingdom, free rate ... dol. per £	4.027	4.034	4.034	4.034	4.033	4.032	4.031	4.029	4.029	4.027	4.027	4.027	4.027
Gold:													
Monetary stock, U. S. ... mil of dol.	p 21,266	20,270	20,267	20,280	20,305	20,402	20,470	20,529	20,748	20,330	20,463	20,774	20,933
Net release from earmark● ... thous. of dol.	118,958	15,010	7,996	60,123	12,306	115,690	127,485	82,830	196,080	−684,474	203,540	271,990	13,057
Gold exports¶ ... do.	2,685	748	2,529	10,816	31,846	806	733	115,915	102,593	49,215	17,691	17,458	3,028
Gold imports¶ ... do.	202,917	37,077	8,877	26,027	24,217	24,989	78,636	54,722	85,774	69,577	171,325	61,508	132,762
Production, reported monthly, total ⊕ ... do.		54,749	57,193	60,795	57,221	59,464	55,424	56,977	53,126	35,475	46,806		
Africa ... do.		39,101	40,050	38,949	37,802	39,286	37,170	37,589	37,330	22,217	32,094		
Canada ⊕ ... do.		8,203	8,384	8,092	8,047	8,429	8,092	7,961	8,184	7,775	9,212	8,931	9,400
United States ⊕ ... do.		3,416	3,993	8,310	6,798	5,930	4,900	6,255	7,612	5,483	5,500	6,246	

r Revised. p Preliminary. ‡36 companies which had 81 percent of the total admitted assets of all United States legal reserve companies at end of 1945.

⊗ Reported by 39 companies which had about 79 percent of the total business outstanding of United States legal reserve companies at the end of 1945.

▲ In January 1944 one company was replaced by a larger one; for revisions October-December 1943 see December 1944 Survey; earlier 1943 revisions are available on request.

♂ See September 1946 Survey and earlier issues for official rate; the official market was abolished July 22, 1946. Free rate prior to August 1945 is available upon request.

§The official rate for Canada was $0.909 from March 1940, when first quoted, through July 4, 1946, and $1.000 thereafter; the average rate for July 1946 was $0.983.

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

New series. Estimates of consumer short-term credit as originally compiled are published in the November 1942 Survey and the general estimating procedure is described in that issue; data for various components have subsequently been revised; there have been recent revisions in data for commercial banks beginning July 1943, credit unions beginning 1945, small loan companies beginning 1930, and single payment loans beginning 1945, as published in the Survey prior to the July 1947 issue, with corresponding corrections in the relevant totals, and earlier revisions that have not been published, as indicated in the note marked "" on p. S-15 of the April 1946 Survey; all revisions through April 1946 will be shown later. 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.

†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.

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

FINANCE—Continued

	1947 June	1946 June	July	August	September	October	November	December	1947 January	February	March	April	May
MONETARY STATISTICS—Continued													
Money supply:													
Currency in circulation ... mil. of dol.	p 28,292	28,245	28,254	28,448	28,507	28,600	28,861	28,952	28,262	28,304	28,230	28,114	r 28,261
Deposits adjusted, all banks, and currency outside banks, total* ... mil. of dol.	p 165,100	171,237	170,700	170,600	170,200	170,000	169,500	167,107	165,900	165,400	165,100	165,200	164,900
Deposits, adjusted, total, including U. S. deposits* ... mil. of dol.	p 139,100	144,721	144,300	144,000	143,700	143,500	142,800	140,377	139,800	139,200	139,100	139,200	138,900
Demand deposits, adjusted, excl. U. S.* ... do	p 82,500	79,476	80,300	80,600	81,400	82,400	83,000	83,314	82,500	80,600	80,400	81,300	81,500
Time deposits, including postal savings* ... do	p 55,600	51,829	52,400	52,700	53,000	53,200	53,400	53,960	54,200	54,700	54,900	55,100	55,300
Silver:													
Exports▲ ... thous. of dol.	1,685	322	106	273	1,147	166	858	6,579	2,945	12,700	3,523	1,865	1,387
Imports▲ ... do	4,408	1,187	7,089	8,283	5,557	4,385	11,595	7,861	13,295	4,589	5,332	7,220	4,488
Price at New York ● ... dol. per fine oz.	.668	.708	[1] .901	.901	.901	.901	.901	.867	.765	.723	.773	.757	.725
Production:													
Canada ... thous. of fine oz.		1,175	1,267	1,186	953	929	842	1,013	767	893	1,039	854	
United States ... do		1,063	1,395	2,583	2,993	2,940	2,561	2,928	2,464	3,713	3,250	2,730	3,896
PROFITS AND DIVIDENDS (QUARTERLY)													
Industrial corporations (Federal Reserve): ♂													
Net profits, total (629 cos.) ... mil. of dol.		604			698			853			875		
Iron and steel (47 cos.) ... do		67			96			97			124		
Machinery (69 cos.) ... do		49			32			61			69		
Automobiles (15 cos.) ... do		21			42			102			99		
Other transportation equip. (68 cos.) ... do		[2] 51			[2] 38			[2] 44			[2] 46		
Nonferrous metals and prod. (77 cos.) ... do		26			41			50			45		
Other durable goods (75 cos.) ... do		37			41			57			51		
Foods, beverages and tobacco (49 cos.) ... do		74			93			124			103		
Oil producing and refining (45 cos.) ... do		62			77			85			89		
Industrial chemicals (30 cos.) ... do		66			67			77			89		
Other nondurable goods (80 cos.) ... do		71			77			91			97		
Miscellaneous services (74 cos.) ... do		80			93			66			64		
Profits and dividends (152 cos.):*													
Net profits ... do		250			310			415			424		
Dividends:													
Preferred ... do		21			20			21			20		
Common ... do		153			149			209			168		
Electric utilities, net income (Fed. Res.)* ... do		151			142			156			191		
Railways, class I, net income (I. C. C.) ... do		r d 42.0			123.7			184.1			86.4		
Telephones, net operating income (Federal Communications Commission) ... mil. of dol.		70.7			60.4			68.9			66.1		
PUBLIC FINANCE (FEDERAL)													
U. S. war and defense program, cash expenditures, cumulative totals from June 1940:* ... mil. of dol.	356,544	339,264	340,497	342,061	343,051	344,536	345,955	347,341	348,651	350,035	351,465	353,106	354,375
U. S. Savings bonds:*													
Amount outstanding ... do	51,407	49,053	49,336	49,493	49,560	49,638	49,723	49,864	50,407	50,772	50,995	51,163	51,282
Sales, series E, F, and G ... do	482	571	753	590	494	519	453	576	952	712	616	572	488
Redemptions ... do	433	519	537	478	482	489	418	504	483	398	449	455	421
Debt, gross, end of month⊗ ... do	258,286	269,422	268,270	267,546	265,369	263,532	262,277	259,148	259,776	261,418	259,124	257,701	258,343
Interest bearing:													
Public issues ... do	227,747	245,779	243,994	242,916	240,364	238,400	236,671	233,064	233,601	233,176	230,618	229,147	228,789
Special issues to trust accounts, etc ... do	27,366	22,332	23,045	23,443	23,854	24,015	24,254	24,585	24,777	24,938	25,183	25,280	26,186
Noninterest bearing ... do	3,173	1,311	1,231	1,187	1,151	1,116	1,351	1,500	1,399	3,305	3,324	3,274	3,368
Obligations fully guaranteed by U. S. Gov't:													
Total amount outstanding (unmatured) ... do	83	467	324	370	391	378	362	331	262	181	175	171	171
Expenditures and receipts:													
Treasury expenditures, total ... do	4,570	5,513	4,514	2,796	2,851	3,023	2,557	3,618	3,005	3,946	3,492	3,981	4,466
War and defense activities‡ ... do	1,493	2,442	1,190	1,509	1,100	1,481	1,436	1,580	1,412	1,457	1,428	1,728	1,327
Transfers to trust accounts‡ ... do	18	5	631	13	32	48	27	21	71	16	1	46	432
Interest on debt ... do	1,396	1,395	249	122	648	160	105	952	343	124	626	141	92
All other‡ ... do	1,662	1,671	2,444	1,152	1,070	1,335	989	1,065	1,180	2,350	1,438	2,065	2,614
Treasury receipts, total ... do	5,480	4,482	2,600	2,717	4,481	2,617	2,639	4,113	3,860	4,643	5,724	2,624	3,204
Receipts, net ... do	5,473	4,479	2,539	2,434	4,478	2,544	2,364	4,107	3,820	4,378	5,701	2,556	2,865
Customs ... do	35	35	44	40	42	45	45	43	47	36	39	41	37
Internal revenue, total ... do	3,993	4,080	2,251	2,494	4,291	2,230	2,403	3,693	3,415	4,274	5,446	2,309	2,578
Income taxes ... do	3,270	3,392	1,489	1,513	3,550	1,404	1,444	2,886	2,664	3,222	4,650	1,597	1,619
Social securty taxes ... do	125	76	67	302	89	74	290	89	58	387	118	75	365
Net expenditures of Government corporations wholly owned* ... mil. of dol.	970	−161	−870	136	−96	−59	−28	45	108	−32	106	20	−614
Government corporations and credit agencies:†													
Assets, except interagency, total ... mil. of dol.		27,572			29,569			30,409			32,338		
Loans receivable, total (less reserves) ... do		5,425			5,949			6,649			7,294		
To aid agriculture ... do		2,873			2,860			2,884			3,056		
To aid home owners ... do		782			729			685			663		
To aid railroads ... do		195			171			171			167		
To aid other industries ... do		196			182			192			204		
To aid banks ... do		22			20			19			17		
To aid other financial institutions ... do		235			237			295			238		
Foreign loans ... do		989			1,632			2,284			2,855		
All other ... do		633			617			598			590		
Commodities, supplies, and materials ... mil. of dol.		1,459			1,429			1,265			1,003		
U. S. Government securities ... do		1,767			1,836			1,873			1,985		
Other securities ... do		401			390			547			3,426		
Land, structures, and equipment ... do		15,558			16,973			16,924			15,486		
All other assets ... do		2,961			2,992			3,152			3,143		
Liabilities, except interagency, total ... do		5,752			5,004			5,101			4,560		
Bonds, notes, and debentures:													
Guaranteed by the United States ... do		325			377			261			169		
Other ... do		1,234			1,250			1,252			1,250		
Other liabilities ... do		4,193			3,377			3,588			3,142		
Privately owned interests ... do		482			496			498			509		
U. S. Government interests ... do		21,338			24,069			24,810			27,268		

r Revised. p Preliminary. d Deficit. [1] Average for July 11–31. [2] Partly estimated. ⊗ Data are on the basis of Daily Treasury Statements (unrevised)

▲ Data contain series published in the 1942 Supplement but suspended during the war period; data for November 1941–February 1945 will be published later.

● Quotations are for foreign silver through July 1946; thereafter they apply also to domestic and Treasury silver if such silver enters into New York market transactions.

♂ For 1941–44 data for 629 companies and the industrial groups, see p. 31 of the October 1946 Survey.

‡ For 1941 revisions see p. S-17 of the November 1942 Survey.

* 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. Data beginning July 1940 for expenditures for the U. S. war and defense program are shown on p. 29 of the June 1943 Survey; beginning July 1945 data are from the Treasury Daily Statements. See note marked "*" on p. S-17 of the February 1947 Survey for references to brief descriptions and the earliest data published for the series on net income of electric utilities, bank deposits and currency outside banks, and U. S. savings bonds; data for bank deposits, etc., beginning January 1947 are for the last Wednesday of the month instead of the end of the month. Data for expenditures of Government corporations have been shown on a revised basis beginning in the September 1946 Survey; see note in that issue for an explanation.

† Revised series. Data for government corporations and credit agencies have been shown on a revised basis beginning in the May 1946 Survey; data for certain items were further revised in the October 1946 issue (see note on p. S-18 of the February 1947 Survey for further information on these series). The increase in securities other than U. S. Government in the first quarter of 1947 is due to large subscription to International Monetary Fund.

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

FINANCE—Continued

	June 1947	June	July	August	September	October	November	December	January	February	March	April	May
PUBLIC FINANCE (FEDERAL)—Continued													
Reconstruction Finance Corporation, loans outstanding, end of month, total† ....mil. of dol..	---------	1,474	1,453	1,433	1,327	1,273	1,279	1,287	1,270	1,268	1,298	1,290	1,250
Banks and trust cos., incl. receivers ....do....	---------	214	212	208	206	203	203	201	188	186	182	179	177
Other financial institutions ....do....	---------	83	81	51	50	49	49	50	54	60	68	80	97
Railroads, including receivers ....do....	---------	171	148	147	147	147	147	147	146	146	144	144	144
Loans to business enterprises, except to aid in national defense ....mil. of dol..	---------	171	168	158	160	158	165	168	172	174	178	183	186
National defense ....do....	---------	419	429	459	358	318	320	327	318	312	310	292	232
Other loans and authorizations ....do....	---------	416	415	410	406	397	396	395	391	390	415	412	413
SECURITIES ISSUED													
Securities and Exchange Commission:†													
Estimated gross proceeds, total ....mil. of dol..	---------	1,542	1,859	1,360	1,088	1,276	1,320	1,957	1,717	1,406	1,686	1,611	1,225
By types of security:													
Bonds, notes, and debentures, total ....do....	---------	1,257	1,633	1,178	1,016	1,208	1,148	1,799	1,645	1,289	1,618	1,454	1,088
Corporate ....do....	---------	377	495	345	195	315	457	660	249	149	382	292	309
Preferred stock ....do....	---------	129	99	34	55	24	125	138	15	49	39	75	112
Common stock ....do....	---------	156	126	148	17	43	47	20	57	67	28	82	26
By types of issuers:													
Corporate, total ....do....	---------	663	672	497	267	383	629	818	r 322	265	450	449	446
Industrial ....do....	---------	421	289	399	134	214	540	232	233	123	94	334	170
Public utility ....do....	---------	182	342	41	113	126	63	487	45	68	336	94	229
Rail ....do....	---------	35	9	3	20	40	19	47	33	8	12	17	37
Other (real estate and financial) ....do....	---------	24	33	54	1	3	8	52	11	66	9	4	10
Non-corporate, total ⊗ ....do....	---------	879	1,186	863	821	893	691	1,139	1,396	1,141	1,236	1,162	779
U. S. Government ....do....	---------	755	1,053	778	742	703	619	936	1,170	921	891	746	653
State and municipal ....do....	---------	124	132	65	77	50	71	170	226	97	344	400	106
New corporate security issues:													
Estimated net proceeds, total ....do....	---------	643	703	518	261	377	617	807	316	260	442	441	437
Proposed uses of proceeds:													
New money, total ....do....	---------	245	327	344	138	202	511	623	183	206	285	254	180
Plant and equipment ....do....	---------	169	198	126	101	160	329	557	138	105	153	101	109
Working capital ....do....	---------	77	129	219	37	43	183	66	45	101	132	153	71
Retirement of debt and stock ....do....	---------	331	352	164	117	170	86	173	131	49	152	183	251
Funded debt ....do....	---------	285	265	94	38	36	74	97	81	18	110	80	198
Other debt ....do....	---------	14	46	50	18	122	6	59	11	15	31	98	19
Preferred stock ....do....	---------	32	40	21	60	12	6	17	38	16	11	5	34
Other purposes ....do....	---------	67	25	10	6	5	19	12	2	5	5	3	7
Proposed uses by major groups:§													
Industrial, total net proceeds ....do....	---------	405	325	422	130	210	530	226	229	119	90	328	165
New money ....do....	---------	206	131	326	108	71	470	145	136	88	52	204	129
Retirement of debt and stock ....do....	---------	166	171	91	16	133	53	70	92	22	34	122	31
Public utility, total net proceeds ....do....	---------	179	338	41	111	124	61	483	43	67	332	93	225
New money ....do....	---------	10	181	6	13	108	18	411	14	47	223	30	31
Retirement of debt and stock ....do....	---------	135	156	34	98	17	33	72	29	20	108	61	192
Railroad, total net proceeds ....do....	---------	35	9	3	19	40	18	47	33	8	12	17	37
New money ....do....	---------	9	8	3	16	21	18	35	28	7	9	17	15
Retirement of debt and stock ....do....	---------	26	1	0	3	19	0	12	5	2	2	0	22
Commercial and Financial Chronicle:													
Securities issued, by type of security, total (new capital and refunding)‡ ....thous. of dol..	1,033,363	r 867,842	983,545	570,721	442,219	561,778	761,054	1,011,544	622,874	437,652	855,196	883,559	703,418
New capital, total‡ ....do....	743,777	428,991	493,272	419,510	241,757	363,050	659,364	788,447	487,806	258,679	635,063	782,831	351,770
Domestic, total‡ ....do....	743,377	428,991	493,272	418,510	241,757	363,050	659,364	788,447	487,229	248,584	614,064	772,831	329,770
Corporate‡ ....do....	517,009	311,710	368,802	354,302	170,349	266,635	589,878	668,968	251,532	118,248	309,822	375,689	211,877
Federal agencies ....do....	15,225	9,145	0	0	0	47,265	0	0	20,835	34,300	11,695	0	15,170
Municipal, State, etc ....do....	211,543	108,136	124,470	64,208	r 71,408	49,150	69,486	119,479	214,862	96,035	292,546	397,142	102,723
Foreign ....do....	0	0	0	1,000	0	0	0	0	577	10,095	21,000	10,000	20,000
Refunding, total‡ ....do....	289,586	r 438,852	490,274	151,211	200,462	198,728	101,690	223,097	135,067	178,973	220,132	100,727	351,649
Domestic, total‡ ....do....	251,586	r 49,351	435,774	126,461	199,702	198,728	101,690	189,597	135,067	56,162	191,132	95,727	351,649
Corporate‡ ....do....	210,657	r 32,651	395,174	92,857	144,642	65,208	86,316	105,385	102,635	30,924	139,824	73,214	317,498
Federal agencies ....do....	38,455	40,580	32,920	32,920	38,455	132,645	13,395	33,940	21,500	24,035	49,725	19,870	32,920
Muncipal, State, etc ....do....	2,474	16,120	7,680	684	16,605	875	1,979	50,271	10,932	1,203	1,583	2,643	1,231
Foreign ....do....	38,000	19,500	54,500	24,750	760	0	0	33,500	0	122,811	29,000	5,000	0
Domestic issues for productive uses (Moody's):													
Total ....mil. of dol..	---------	236	306	239	188	293	528	649	261	142	362	252	246
Corporate ....do....	---------	153	210	175	127	246	459	533	115	71	265	155	170
Municipal, State, etc ....do....	---------	83	96	64	61	47	69	116	146	71	97	97	76
Bond Buyer: State and municipal issues:													
Permanent (long term) ....thous. of dol..	209,327	130,851	138,678	67,526	89,389	53,290	78,194	175,449	228,929	100,184	353,502	405,776	r 109,692
Temporary (short term) ....do....	49,167	56,461	141,185	3,482	131,893	62,729	47,388	10,685	77,979	81,067	146,137	71,803	r 29,927
SECURITY MARKETS													
Brokers' Balances (N. Y. S. E. members carrying margin accounts)¶													
Customers' debit balances (net) ....mil. of dol..	552	809	745	723	631	583	571	537	533	573	576	553	530
Cash on hand and in banks ....do....	---------	370	---------	---------	---------	---------	---------	453	---------	---------	---------	---------	---------
Money borrowed ....do....	222	498	442	377	305	253	238	217	210	217	216	205	201
Customers' free credit balances ....do....	650	651	653	647	729	720	723	693	687	681	677	665	652
Bonds													
Prices:													
Average price of all listed bonds (N. Y. S. E.) ....dollars..	102.25	104.21	103.52	103.10	102.15	102.46	102.00	102.64	102.89	102.86	102.95	102.63	102.49
Domestic ....do....	102.70	104.61	103.92	103.49	102.56	102.88	102.41	103.07	103.30	103.27	103.36	103.06	102.92
Foreign ....do....	74.02	81.64	80.97	80.15	77.95	77.19	76.89	76.18	77.12	77.20	77.00	76.42	75.32
Standard and Poor's Corporation:													
Industrials, utilities, and rails:													
High grade (15 bonds) ....dol. per $100 bond..	122.8	123.9	124.0	123.8	122.8	121.8	121.6	121.5	122.6	122.7	122.4	122.8	122.9
Medium and lower grade:													
Composite (50 bonds) ....do....	114.3	119.5	119.1	119.1	117.4	115.8	115.9	115.9	116.3	116.8	116.6	116.5	115.0
Industrials (10 bonds) ....do....	122.6	123.9	123.4	124.0	123.3	122.2	122.5	123.0	123.5	123.7	123.7	123.5	123.2
Public utilities (20 bonds) ....do....	113.0	116.0	115.3	115.4	114.7	112.9	112.6	111.9	111.2	112.4	112.6	112.7	112.5
Railroads (20 bonds) ....do....	107.3	118.7	118.5	117.7	114.3	112.3	112.7	112.9	114.3	114.3	113.6	113.2	109.2
Defaulted (15 bonds) ....do....	63.4	83.2	80.1	78.8	65.4	62.7	63.6	67.7	68.3	69.3	66.1	64.0	61.9
Domestic municipals (15 bonds)† ....do....	134.4	142.0	140.9	140.0	137.8	136.0	136.8	133.4	134.4	133.1	132.5	133.2	133.9

r Revised. §Small amounts for "other corporate," not shown separately, are included in the total net proceeds, all corporate issues, above.

¶Data except for June and December are from the New York Stock Exchange.

⊗Includes data for nonprofit agencies not shown separately.

‡See note in the April 1946 Survey regarding revisions in data for 1944. Corrections in January to March 1946 figures shown in March to May 1947 issues of the Survey (thousands of dollars): New capital—total and domestic total, January, 203,847; February, 122,819; domestic corporate, February, 47,616; refunding—domestic total, March, 310,674.

†Revised series. The classification of Reconstruction Finance Corporation loans was revised in the November 1943 Survey (see note in that issue); the figures include payments unallocated, pending advices, at end of month. 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; and revisions in the 1945 data as shown in the September 1946 and earlier issues; all revisions will be shown later. For an explanation of the revision in the price series for municipal bonds and data beginning February 1942, see p. S-19 of the April 1943 Survey; earlier data will be published later.

FINANCE—Continued

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1947	1946							1947				
	June	June	July	August	September	October	November	December	January	February	March	April	May
SECURITY MARKETS—Continued													
Bonds—Continued													
Prices—Continued													
U. S. Treasury bonds (taxable)† . . dol. per $100 bond	104.1	105.3	104.9	104.1	103.3	103.6	103.7	103.9	104.3	104.4	104.6	104.6	104.5
Sales (Securities and Exchange Commission):													
Total on all registered exchanges:													
Market value§ . . . thous. of dol	--------	83,438	73,743	72,691	104,881	85,870	66,551	121,416	100,265	73,249	67,522	68,974	71,024
Face value§ . . . do	--------	97,833	90,590	94,121	167,352	131,885	97,458	161,049	136,235	100,247	89,587	94,673	98,349
On New York Stock Exchange:													
Market value§ . . . do	--------	73,706	69,459	69,346	99,647	81,197	62,101	116,541	95,470	68,979	63,187	64,393	63,880
Face value§ . . . do	--------	91,898	85,918	90,244	160,265	125,782	91,836	154,937	130,028	95,349	81,491	88,961	90,458
Exclusive of stopped sales (N. Y. S. E.), face value, total . . . thous. of dol	70,077	84,033	79,886	78,010	149,259	112,738	95,127	127,553	125,491	79,987	75,582	81,601	82,526
U. S. Government . . . do	386	256	181	279	468	392	225	265	126	98	35	828	140
Other than U. S. Government, total . . . do	69,691	83,777	79,705	77,731	148,791	112,346	94,902	127,288	125,365	79,889	75,547	80,773	82,386
Domestic . . . do	63,590	77,609	72,473	72,441	142,298	106,488	89,201	120,544	118,519	74,530	68,860	74,885	75,863
Foreign . . . do	6,101	6,168	7,232	5,290	6,493	5,858	5,701	6,744	6,846	5,359	6,687	5,888	6,523
Value, issues listed on N. Y. S. E.:													
Face value, all issues . . . mil. of dol	137,058	136,648	136,596	136,714	136,838	136,880	136,787	137,165	137,006	137,106	136,937	137,219	137,019
Domestic . . . do	134,932	134,281	134,257	134,441	134,569	134,644	134,584	134,995	134,859	134,956	134,806	135,044	134,856
Foreign . . . do	2,126	2,367	2,339	2,273	2,269	2,236	2,203	2,170	2,148	2,150	2,132	2,174	2,163
Market value, all issues . . . do	140,148	142,406	141,407	140,958	139,784	140,245	139,521	140,793	140,966	141,033	140,978	140,833	140,426
Domestic . . . do	138,574	140,474	139,513	139,137	138,015	138,520	137,827	139,139	139,310	139,373	139,336	139,172	138,797
Foreign . . . do	1,574	1,932	1,894	1,822	1,769	1,726	1,694	1,653	1,656	1,660	1,641	1,662	1,629
Yields:													
Domestic corporate (Moody's) . . . percent	2.81	2.71	2.71	2.73	2.79	2.82	2.82	2.83	2.79	2.78	2.79	2.78	2.79
By ratings:													
Aaa . . . do	2.55	2.49	2.48	2.51	2.58	2.60	2.59	2.61	2.57	2.55	2.55	2.53	2.53
Aa . . . do	2.64	2.59	2.59	2.62	2.68	2.70	2.69	2.69	2.65	2.64	2.64	2.63	2.63
A . . . do	2.83	2.73	2.72	2.74	2.80	2.84	2.84	2.83	2.79	2.79	2.80	2.81	2.82
Baa . . . do	3.21	3.03	3.03	3.03	3.10	3.15	3.17	3.17	3.13	3.12	3.15	3.16	3.17
By groups:													
Industrials . . . do	2.60	2.59	2.58	2.58	2.64	2.65	2.66	2.66	2.63	2.61	2.61	2.60	2.60
Public utilities . . . do	2.72	2.70	2.69	2.70	2.75	2.76	2.77	2.77	2.73	2.72	2.73	2.71	2.71
Railroads . . . do	3.10	2.85	2.86	2.89	2.98	3.05	3.05	3.04	3.00	3.00	3.02	3.03	3.05
Domestic municipals:													
Bond Buyer (20 cities) . . . do	1.81	1.41	1.51	1.58	1.73	1.66	1.78	1.85	1.81	1.97	1.90	1.89	1.83
Standard and Poor's Corp. (15 bonds) . . . do	1.92	1.55	1.60	1.65	1.75	1.84	1.80	1.97	1.92	1.99	2.02	1.98	1.95
U. S. Treasury bonds, taxable† . . . do	2.22	2.16	2.18	2.23	2.28	2.26	2.25	2.24	2.21	2.21	2.19	2.19	2.19
Stocks													
Cash dividend payments and rates, 600 cos., Moody's:													
Total annual payments at current rates . . mil. of dol	2,310.25	1,943.39	r 1,960.85	r 1,957.89	1,954.89	2,002.26	2,065.80	2,110.73	2,128.87	2,195.70	2,195.70	2,224.33	2,310.25
Number of shares, adjusted . . . millions	954.65	941.47	941.47	941.47	941.47	954.65	954.65	954.65	954.65	954.65	954.65	954.65	954.65
Dividend rate per share (weighted average) . . dollars	2.42	2.06	2.08	r 2.08	2.08	2.10	2.16	2.21	2.23	2.30	2.30	2.33	2.42
Banks (21 cos.) . . . do	3.21	3.21	3.21	3.21	3.21	3.20	3.20	3.20	3.21	3.21	3.21	3.21	3.21
Industrials (492 cos.) . . . do	2.51	2.01	r 2.04	r 2.03	2.03	2.05	2.12	2.19	2.22	2.32	2.35	2.40	2.50
Insurance (21 cos.) . . . do	2.59	2.58	2.58	2.58	2.58	2.59	2.59	2.59	2.59	2.59	2.59	2.59	2.59
Public utilities (30 cos.) . . . do	1.98	1.81	1.81	1.82	1.82	1.88	1.90	1.90	1.92	1.95	1.95	1.96	1.96
Railroads (36 cos.) . . . do	2.66	2.71	2.71	2.71	2.65	2.59	2.76	2.77	2.75	2.75	2.66	2.66	2.66
Cash dividend payments publicly reported:*													
Total dividend payments . . . mil. of dol	--------	517.3	394.5	166.3	455.1	342.1	160.5	963.1	434.5	190.5	492.5	388.9	159.2
Manufacturing . . . do	--------	288.1	152.1	78.7	276.9	146.5	86.8	561.1	160.9	89.1	308.5	162.7	85.9
Mining . . . do	--------	50.0	4.3	.9	23.9	4.1	4.2	74.1	2.9	1.2	25.4	5.9	1.3
Trade . . . do	--------	33.3	29.7	5.6	40.9	23.0	9.9	90.2	50.0	9.6	45.3	35.1	9.6
Finance . . . do	--------	45.9	87.2	28.9	31.8	51.9	24.0	98.1	92.4	29.5	25.8	55.9	18.2
Railroads . . . do	--------	32.5	17.0	5.3	17.3	12.4	2.0	44.4	19.4	8.0	22.7	21.6	5.4
Heat, light, and power . . . do	--------	37.8	46.3	40.5	34.8	45.1	31.2	46.1	48.2	51.0	36.3	47.5	35.9
Communications . . . do	--------	13.5	48.0	.2	12.6	47.5	.3	14.3	50.1	.3	9.9	49.6	.3
Miscellaneous . . . do	--------	16.2	9.9	6.2	16.9	11.6	2.1	34.8	10.6	1.8	18.6	10.6	2.6
Prices:													
Average price of all listed shares (N. Y. S. E.) Dec. 31, 1924=100	77.3	99.1	95.8	89.6	80.2	79.3	78.5	r 81.6	82.4	81.1	79.4	75.7	74.4
Dow-Jones & Co. (65 stocks) . . . dol. per share	61.26	77.59	75.02	73.81	62.66	61.10	61.77	63.97	63.78	65.83	63.64	61.04	59.49
Industrials (30 stocks) . . . do	173.76	207.32	202.27	199.44	172.72	169.48	168.94	174.38	176.10	181.54	176.66	171.28	168.67
Public utilities (15 stocks) . . . do	33.98	42.51	40.96	40.93	35.05	34.58	35.23	51.18	36.55	37.17	36.02	34.52	33.39
Railroads (20 stocks) . . . do	44.86	66.64	63.22	61.45	49.59	47.28	49.24	36.77	49.56	51.74	49.15	45.88	43.60
New York Times (50 stocks) . . . do	115.12	144.63	140.10	136.45	118.36	114.00	114.14	118.34	119.06	122.29	118.07	113.74	r 109.67
Industrials (25 stocks) . . . do	195.85	237.16	231.21	225.97	198.49	191.65	190.32	197.29	199.92	204.82	198.46	192.51	186.57
Railroads (25 stocks) . . . do	34.41	52.11	48.99	46.93	38.24	36.58	37.97	39.59	38.21	39.77	37.70	34.86	32.78
Standard and Poor's Corporation:													
Combined index (402 stocks) . . . 1935-39=100	119.1	153.2	149.6	146.4	125.4	122.3	120.6	125.5	125.2	128.7	123.7	119.3	115.2
Industrials (354 stocks) . . . do	124.1	156.9	153.4	150.4	128.8	125.9	123.8	128.9	128.5	132.6	127.7	123.1	119.0
Capital goods (116 stocks) . . . do	111.9	142.7	138.9	135.2	114.6	112.4	111.5	117.9	117.6	121.6	117.1	113.0	108.0
Consumer's goods (191 stocks) . . . do	126.4	166.7	162.7	159.3	136.9	132.3	130.0	133.5	133.8	139.7	133.5	126.7	121.4
Public utilities (28 stocks) . . . do	100.8	130.4	127.7	125.3	109.7	107.2	105.5	109.8	110.7	111.4	107.3	104.6	102.0
Railroads (20 stocks) . . . do	97.6	161.8	153.6	147.1	119.0	110.2	113.3	118.8	114.7	118.8	109.9	102.2	95.1
Other issues:													
Banks, N. Y. C. (19 stocks) . . . do	94.7	115.9	116.5	118.7	107.5	105.0	108.5	108.7	106.2	103.9	101.2	94.7	95.0
Fire and marine insurance (18 stocks) . . . do	117.0	136.9	134.7	133.9	119.4	113.8	115.8	117.6	122.3	125.8	122.4	118.8	114.0
Sales (Securities and Exchange Commission):													
Total on all registered exchanges:													
Market value . . . thous. of dol	--------	1,409,683	1,223,124	1,163,513	1,902,717	1,296,654	1,118,029	1,273,035	1,100,006	1,143,786	927,888	979,766	883,662
Shares sold . . . thousands	--------	56,794	47,768	45,915	81,805	54,552	51,669	56,527	47,312	53,518	37,227	45,116	40,181
On New York Stock Exchange:													
Market value . . . thous. of dol	--------	1,149,180	1,014,338	982,461	1,616,631	1,103,151	950,904	1,074,021	918,463	943,861	770,103	825,730	739,209
Shares sold . . . thousands	--------	35,865	32,188	32,196	60,438	38,919	36,955	39,723	32,628	34,109	25,302	32,338	27,854
Exclusive of odd lot and stopped sales (N. Y. Times) . . . thousands	17,483	21,717	20,595	20,807	43,450	30,384	23,819	29,834	23,557	23,758	19,337	20,620	20,616
Shares listed, N. Y. S. E.:													
Market value, all listed shares . . . mil. of dol	66,548	80,929	79,132	74,350	66,864	66,115	65,741	68,595	69,627	68,839	67,608	64,520	63,646
Number of shares listed . . . millions	1,829	1,686	1,719	1,738	1,750	1,756	1,764	1,771	1,779	1,786	1,792	1,794	1,814

r Revised.

§ Since March 18, 1944, United States Government bonds have not been included in these data.

*New series. For data for dividend payments for 1941-42, except for minor 1942 revisions, see p. 20 of the February 1944 Survey; revisions in the 1942 figures shown on that page and 1943-44 figures are on p. 31 of the February 1947 issue.

† Revised series. Revised figures through 1943 for prices and yields of U. S. Treasury taxable bonds and a description of the data are on p. 20 of the September 1944 Survey. Yields through December 1945 for partially tax-exempt Treasury bonds are shown in the April 1946 and earlier issues of the Survey.

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1947	1946							1947				
	June	June	July	August	September	October	November	December	January	February	March	April	May
FINANCE—Continued													
SECURITY MARKETS—Continued													
Stocks—Continued													
Yields:													
Common stocks (200), Moody's .... percent	5.1	ʳ3.6	3.7	3.9	4.4	4.4	4.6	4.5	4.5	4.7	4.8	5.1	5.3
Banks (15 stocks) .... do	4.6	3.7	3.7	3.8	4.0	3.9	4.0	3.9	4.2	4.2	4.4	4.6	4.6
Industrials (125 stocks) .... do	5.0	3.4	3.5	3.8	4.1	4.3	4.4	4.4	4.4	4.6	4.7	5.0	5.3
Insurance (10 stocks) .... do	3.5	3.1	3.2	3.2	3.6	3.5	3.6	3.5	3.3	3.3	3.4	3.6	3.7
Public utilities (25 stocks) .... do	5.1	3.9	3.9	4.2	4.6	4.7	4.8	4.6	4.6	4.7	4.9	4.9	5.0
Railroads (25 stocks) .... do	7.3	4.8	5.2	5.6	6.5	6.3	6.9	6.6	6.6	6.8	6.8	7.3	7.5
Preferred stocks, high-grade (15 stocks), Standard and Poor's Corporation .... percent	3.76	3.46	3.43	3.44	3.57	3.65	3.70	3.76	3.74	3.71	3.72	3.75	3.76
FOREIGN TRADE													
INDEXES													
Exports of U. S. merchandise:													
Quantity .... 1923-25=100		220	202	218	154	127	226	249	245	251	286	274	296
Value .... do	330	230	217	231	168	142	260	291	294	305	350	344	ʳ378
Unit value .... do		105	108	106	109	112	115	117	120	121	123	126	128
Imports for consumption:													
Quantity .... do		124	139	130	120	120	142	146	156	118	116	123	121
Value .... do	148	116	132	130	118	124	147	156	168	133	136	151	ʳ142
Unit value .... do		95	95	100	100	104	104	107	109	113	117	124	119
Agricultural products, quantity:§													
Exports, domestic, total:													
Unadjusted .... 1924-29=100		118	107	95	69	43	102	108	94	109	111	93	95
Adjusted .... do		161	153	128	59	31	76	90	92	128	128	115	117
Total, excluding cotton:													
Unadjusted .... do		173	156	127	101	69	136	160	142	158	162	141	150
Adjusted .... do		210	187	131	87	51	113	142	144	190	189	168	171
Imports for consumption:													
Unadjusted .... do		89	94	99	89	86	108	109	141	100	94	104	102
Adjusted .... do		99	112	112	101	90	117	112	132	96	81	96	105
SHIPPING WEIGHT*													
Exports, including reexports .... mil. of lb	30,840	19,275	23,534	24,648	21,078	17,280	18,906	17,444	19,741	20,815	24,262	25,693	31,575
General imports .... do	12,716	9,679	12,490	11,623	11,419	10,571	10,904	10,767	12,305	10,712	12,286	12,441	12,792
VALUE§													
Exports, total, including reexports .... thous. of dol	1,241,726	877,683	825,570	883,293	642,711	536,614	987,912	1,096,526	1,114,452	1,150,831	1,327,305	1,298,602	1,422,878
Lend-lease* .... do	276	57,194	37,092	33,809	12,477	7,587	8,557	7,201	8,357	3,483	1,710	2,037	3,800
By geographic regions:													
Africa .... do		42,166	31,832	43,789	27,553	16,081	53,070	46,463	56,357	52,512	73,768	68,706	86,806
Asia and Oceania .... do		157,933	130,312	137,854	99,470	67,263	121,680	208,207	160,783	177,270	213,638	177,172	219,997
Europe .... do		370,099	379,853	354,879	234,137	168,352	388,288	362,113	436,918	457,138	483,697	496,059	517,095
Northern North America .... do		117,804	123,836	137,080	135,651	158,202	157,786	156,202	149,080	150,419	185,146	188,353	210,305
Southern North America .... do		88,859	77,094	96,168	79,293	73,395	120,557	143,415	142,223	140,675	144,662	152,356	148,641
South America .... do		100,823	82,593	113,224	66,948	53,313	144,489	180,777	170,140	174,908	226,394	215,955	239,184
Total exports by leading countries:													
Europe:													
France .... do		62,577	52,796	46,382	27,530	21,190	67,492	54,669	70,810	77,103	73,081	76,432	88,123
Germany .... do		7,983	11,098	15,636	8,518	2,331	11,689	10,943	12,615	9,595	13,704	14,900	17,891
Italy .... do		37,234	40,146	31,004	21,651	4,424	31,056	31,846	41,168	45,032	49,189	55,352	46,819
Union of Soviet Socialist Republics (Russia) .... do		48,090	38,079	42,671	12,531	11,106	16,039	14,078	24,671	15,780	7,232	9,281	27,116
United Kingdom .... do		62,919	73,160	70,755	66,812	46,097	102,586	74,035	111,771	103,243	117,354	93,438	94,512
North and South America:													
Canada .... do		114,925	121,198	134,236	133,784	156,252	153,547	152,752	146,298	145,679	181,351	181,511	203,653
Latin American Republics, total .... do		180,272	151,903	199,486	137,166	121,392	252,306	306,297	292,828	287,336	351,187	350,413	369,659
Argentina .... do		13,622	14,628	19,797	13,064	11,953	29,379	37,850	31,976	36,055	66,464	49,464	71,653
Brazil .... do		27,192	26,124	33,233	20,047	20,091	47,760	51,138	52,835	56,340	65,445	61,240	68,535
Chile .... do		7,437	5,645	7,730	5,734	3,605	7,471	11,672	11,796	9,126	11,481	9,919	12,387
Colombia* .... do		15,106	10,998	16,382	9,124	3,010	14,212	21,123	21,266	15,220	19,930	21,234	23,467
Cuba .... do		22,779	17,231	24,752	14,884	13,141	36,439	38,143	39,439	36,499	37,227	47,577	42,725
Mexico .... do		42,481	38,209	44,166	45,744	51,572	50,331	57,554	51,011	50,419	62,515	57,002	56,862
Venezuela* .... do		20,124	13,315	19,990	11,093	8,075	27,321	31,250	27,676	35,902	30,623	46,138	39,118
Other regions:													
Australia .... do		5,854	7,378	5,420	5,114	7,096	6,213	9,140	16,748	8,307	19,562	14,271	24,458
British Malaya .... do		412	2,052	809	472	803	779	2,579	2,103	3,374	5,769	4,172	7,145
China .... do		58,139	42,220	39,953	24,670	19,094	35,441	54,590	35,921	39,720	37,370	26,175	41,395
Egypt .... do		3,494	1,891	3,010	2,117	1,678	3,261	2,858	3,857	3,677	4,576	5,537	6,765
India and dependencies .... do		19,841	17,202	15,738	16,763	14,145	15,428	28,435	26,583	25,943	43,448	38,529	41,676
Japan .... do		16,977	16,946	20,286	14,217	3,598	12,416	6,363	3,627	2,539	3,579	283	2,063
Netherlands Indies .... do		9,494	10,512	10,749	2,040	3,288	3,311	8,069	11,807	5,437	11,286	9,779	16,798
Philippine Islands .... do		25,652	21,251	17,823	18,019	8,353	25,401	58,646	30,210	53,002	42,937	32,040	33,066
Union of South Africa .... do		22,007	15,645	25,219	13,896	7,063	34,358	23,282	29,312	27,719	40,000	34,656	41,763
General imports, total .... do	466,019	385,943	433,758	425,413	377,564	394,034	481,794	535,832	532,986	434,778	444,327	511,802	ʳ473,575
By geographic regions:													
Africa .... do		20,050	26,954	33,756	20,210	24,662	28,087	22,978	29,205	21,172	19,159	30,079	19,795
Asia and Oceania .... do		78,208	101,328	90,806	86,593	78,124	123,404	139,236	152,827	100,589	98,217	100,744	120,830
Europe .... do		66,956	70,511	63,075	58,273	63,968	76,258	88,877	76,313	60,044	49,677	65,583	58,407
Northern North America .... do		68,375	80,506	78,018	81,305	90,340	88,074	93,097	82,979	75,524	91,641	90,932	87,817
Southern North America .... do		55,649	69,207	62,489	51,994	52,310	61,094	76,938	75,061	76,932	93,454	112,659	86,026
South America .... do		96,697	85,250	97,533	79,753	84,331	104,496	114,707	116,600	100,516	92,120	111,805	100,701

ʳ Revised.

§ 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 since 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. Data on shipping weight of exports and imports are compiled by the U. S. Department of Commerce, Bureau of the Census; they represent gross weight of merchandise exports and imports, including weight of containers, wrappings, crates, etc. Data beginning January 1943 will be published later. See p. 32 of the February 1946 Survey for annual totals for lend-lease exports for 1941-45; complete monthly data will be published later; all supplies procured through lend-lease procurement facilities are shown as lend-lease exports although, since the program officially ceased to operate at the end of the war, the recipient nations have, with few exceptions, arranged to finance them prior to the exportation of the merchandise. Monthly data prior to February 1945 for Colombia and Venezuela will be shown later.

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

FOREIGN TRADE—Continued

VALUE §—Continued													
General imports—Continued.													
By leading countries:													
Europe:													
France .... thous. of dol.		4,804	6,441	6,124	5,245	7,298	7,372	8,610	6,167	3,531	4,502	5,073	3,856
Germany .... do.		24	18	23	149	41	403	125	252	70	218	531	766
Italy .... do.		8,099	6,671	6,282	4,571	5,133	9,544	8,004	5,392	3,276	3,314	3,825	3,673
Union of Soviet Socialist Republics .... do.		7,225	7,823	7,721	2,786	7,139	1,809	15,944	9,006	817	1,245	6,255	4,466
United Kingdom .... do.		15,230	12,405	11,512	14,177	10,269	18,476	14,224	16,892	19,020	11,200	18,099	16,824
North and South America:													
Canada .... do.		66,548	76,607	74,715	77,000	88,167	84,110	90,187	79,278	74,274	89,755	89,442	85,072
Latin American Republics, total .... do.		147,968	147,316	154,037	125,299	132,739	159,776	185,610	183,579	169,916	175,832	215,292	176,330
Argentina .... do.		17,471	14,128	13,912	10,908	13,907	23,016	26,658	16,382	16,900	8,767	13,294	18,839
Brazil .... do.		40,472	27,290	45,985	29,870	30,049	37,792	37,277	51,482	37,504	29,367	42,734	26,763
Chile .... do.		9,975	8,149	3,418	4,754	7,263	6,719	8,770	4,648	4,931	8,186	11,805	14,120
Colombia* .... do.		9,783	14,453	13,048	14,224	11,644	16,550	20,142	18,176	18,351	20,259	18,515	14,477
Cuba .... do.		26,620	33,151	25,360	19,749	23,936	29,276	36,168	27,553	34,077	42,801	61,238	44,586
Mexico .... do.		16,184	20,282	18,391	14,922	18,140	19,984	23,441	25,024	21,361	23,429	22,263	17,466
Venezuela* .... do.		8,041	8,373	10,324	11,507	13,644	9,973	10,523	14,201	13,711	17,072	13,733	13,134
Other regions:													
Australia .... do.		7,949	18,485	15,041	17,139	12,710	11,822	7,724	14,148	8,516	16,813	15,918	15,206
British Malaya .... do.		4,649	11,792	8,284	14,479	19,795	19,093	15,347	49,772	28,891	15,699	21,164	43,212
China .... do.		9,946	12,656	7,061	8,041	7,123	5,183	11,593	15,572	13,206	10,271	5,955	11,917
Egypt .... do.		1,059	651	2,892	1,345	1,779	7,058	3,312	1,068	1,354	610	936	954
India and dependencies .... do.		17,621	9,467	17,534	20,593	9,290	27,618	24,944	27,901	19,487	22,059	19,218	13,234
Japan .... do.		14,689	11,095	12,378	2,780	2,276	14,307	25,917	8,445	3,762	775	813	804
Netherlands Indies .... do.		664	2,773	2,486	3,292	6,609	5,660	8,044	4,545	1,892	2,519	2,780	2,584
Phillippine Islands .... do.		2,597	4,402	3,636	3,338	3,635	5,891	11,195	10,965	9,779	17,057	15,875	17,896
Union of South Africa .... do.		9,717	14,641	15,990	14,443	13,904	10,363	9,064	8,629	4,715	5,672	5,297	8,207
Exports of U. S. merchandise, total .... do.	1,228,295	858,033	807,478	860,405	626,942	528,631	967,476	1,083,238	1,094,442	1,132,221	1,304,499	1,280,408	r1,408,487
By economic classes:													
Crude materials .... do.		r122,435	120,122	138,557	115,589	93,601	173,183	135,231	133,879	139,640	149,576	129,815	143,424
Crude foodstuffs .... do.		79,193	53,988	53,340	39,118	29,008	51,340	68,347	62,515	65,807	81,225	81,472	80,031
Manufactured foodstuffs and beverages .... do.		134,521	165,157	116,815	81,564	42,150	107,725	149,720	132,503	136,606	r135,941	129,279	144,528
Semimanufactures .... do.		r76,731	71,279	81,383	61,287	50,760	82,914	105,381	114,370	115,595	r147,032	145,796	171,308
Finished manufactures .... do.		445,153	396,933	470,012	329,385	313,245	551,961	624,559	650,630	r673,339	790,493	794,046	869,196
By principal commodities:													
Agricultural products, total .... do.		304,631	291,840	253,947	187,244	121,475	290,478	321,002	r290,351	r300,676	316,254	279,720	289,178
Cotton, unmanufactured .... do.		52,812	50,425	58,858	34,316	16,997	70,562	57,437	47,713	60,972	60,748	45,588	41,134
Fruits, vegetables and preparations .... do.		27,760	24,571	17,911	13,666	11,523	19,428	44,184	36,026	32,711	27,332	19,086	21,457
Grains and preparations .... do.		88,646	65,542	62,284	51,543	29,643	71,494	96,344	89,224	110,705	120,385	125,125	126,895
Packing house products .... do.		48,214	47,365	35,280	19,263	4,338	13,377	19,272	18,535	18,124	19,692	21,206	32,807
Nonagricultural products, total .... do.		553,402	515,638	606,160	439,698	407,289	675,197	762,236	803,479	r829,680	988,245	1,000,688	r1,119,309
Automobiles, parts and accessories .... do.		43,463	38,297	51,627	42,817	39,804	75,974	70,816	72,359	74,748	95,875	104,684	114,907
Chemicals and related products .... do.		46,424	40,057	43,827	30,257	27,391	44,651	57,111	52,424	53,533	67,405	67,927	77,968
Copper and manufactures .... do.		2,952	2,738	3,534	1,994	1,205	4,827	6,256	6,184	4,979	6,625	5,935	7,111
Iron and steel and their products .... do.		35,709	35,345	45,639	30,834	26,756	44,843	51,236	57,157	52,116	70,237	71,789	79,012
Machinery .... do.		125,553	119,194	137,504	83,724	89,673	148,273	154,438	166,333	162,949	191,365	202,052	246,330
Agricultural .... do.		11,967	14,104	17,074	12,044	12,677	16,294	18,600	19,344	19,148	24,649	28,818	31,233
Electrical .... do.		25,381	24,985	32,260	18,581	23,608	35,490	40,605	38,119	40,979	48,575	47,437	55,640
Metal working .... do.		17,176	16,343	15,358	7,977	9,477	14,574	14,542	19,867	14,031	17,808	18,457	21,129
Other industrial .... do.		66,262	58,016	66,588	41,372	39,253	74,237	71,204	79,155	80,194	88,844	95,549	124,188
Petroleum and products .... do.		39,134	35,903	43,135	35,014	27,576	36,007	41,513	37,137	48,532	50,192	53,928	59,931
Imports for consumption, total .... do.	472,644	r371,686	r422,018	415,371	378,364	396,729	470,239	497,550	537,669	423,350	434,483	483,646	455,400
By economic classes:													
Crude materials .... do.		r121,087	r163,015	152,201	133,792	136,989	161,757	169,046	210,514	128,838	123,587	133,699	160,066
Crude foodstuffs .... do.		68,636	53,101	72,193	60,761	59,012	77,313	91,259	112,207	86,039	90,237	109,750	61,185
Manufactured foodstuffs and beverages .... do.		40,148	52,711	43,430	38,599	39,276	47,352	48,078	38,042	43,279	51,274	67,691	53,962
Semimanufactures .... do.		r77,053	84,637	78,018	76,262	87,017	88,128	101,145	95,669	90,925	93,739	95,502	103,494
Finished manufactures .... do.		r64,762	68,026	68,426	68,781	73,819	95,192	88,021	81,269	74,271	75,647	77,003	76,740
By principal commodities:													
Agricultural, total .... do.		r174,977	r190,014	201,657	178,730	176,084	229,346	252,381	308,914	226,226	230,265	268,602	233,121
Coffee .... do.		46,779	31,844	47,886	36,816	32,080	43,909	50,433	62,896	56,849	54,206	66,599	32,020
Hides and skins .... do.		4,122	7,149	6,657	7,072	7,724	11,595	10,256	8,655	6,388	5,670	r5,977	7,261
Rubber, crude, including guayule .... do.		6,744	14,548	19,654	22,537	25,562	30,934	25,578	51,205	32,388	19,992	23,937	47,837
Silk, unmanufactured .... do.		19,683	14,267	12,631	3,211	745	13,922	24,247	5,943	2,884	1,109	43	57
Sugar .... do.		15,144	23,880	16,159	12,052	10,384	15,413	17,035	18,122	26,912	34,861	50,780	34,311
Wool and mohair, unmanufactured .... do.		20,017	28,530	25,411	23,459	20,160	19,441	17,111	22,665	17,697	22,586	21,338	20,893
Nonagricultural, total .... do.		r196,709	232,004	213,525	199,464	220,469	240,809	245,169	228,709	197,184	204,218	215,044	222,327
Furs and manufactures .... do.		19,572	30,503	r22,766	8,363	r15,339	14,179	24,662	14,796	4,434	6,648	7,085	9,187
Nonferrous ores and metals, total .... do.		20,035	24,584	21,683	17,364	25,445	26,535	32,143	29,742	27,568	25,479	30,107	35,789
Copper, including ore and manufactures .... do.		4,639	7,907	4,945	6,513	8,969	9,580	12,511	7,343	8,625	9,026	8,074	16,571
Tin, including ore .... do.		5,146	6,261	6,036	898	3,800	4,217	2,778	3,762	1,466	9	2,410	853
Paper base stocks .... do.		13,967	19,588	15,357	14,026	15,245	13,021	14,022	18,208	18,087	15,906	17,187	20,521
Newsprint .... do.		17,382	21,362	20,925	20,801	22,830	26,318	25,916	23,763	21,004	25,987	27,048	28,667
Petroleum and products .... do.		11,320	15,127	15,124	15,289	13,290	12,981	14,753	19,379	18,429	21,620	20,309	21,879

TRANSPORTATION AND COMMUNICATIONS

TRANSPORTATION													
Airlines													
Operations on scheduled air lines:‡													
Miles flown, revenue .... thous. of miles		26,701	27,965	28,958	28,243	28,301	25,046	27,173	22,502	22,512	25,464	25,318	
Express and freight carried .... thous. of lb.		8,744	9,924	12,011	15,030	18,311	16,435	24,021	12,331	12,615	17,449	17,235	
Express and freight ton-miles flown* .... thousands		2,390	2,669	3,173	3,644	4,623	4,390	6,321	3,602	3,827	5,116	4,788	
Passengers carried (revenue) .... number		1,094,982	1,163,349	1,301,161	1,241,438	1,149,481	979,666	999,167	725,141	740,206	972,899	1,076,848	
Passenger-miles flown (revenue) .... thousands		558,839	565,731	619,136	608,196	553,405	465,015	503,478	376,339	368,017	488,019	519,516	
Express Operations													
Operating revenue .... thous. of dol.		25,626	25,798	26,134	26,410	28,084	28,327	31,223	25,838	25,355	25,645	25,112	25,082
Operating income .... do.		69	73	69	73	69	87	66	55	79	61	50	64
Local Transit Lines													
Fares, average, cash rate .... cents	8.0580	7.8835	7.9306	7.9722	7.9805	7.9832	7.9832	7.9915	8.0165	8.0220	8.0275	8.0414	8.0580
Passengers carried† .... thousands	1,478,911	r1,580,540	1,555,250	1,569,230	1,539,190	1,645,700	1,591,280	1,627,260	1,627,630	1,481,063	1,607,269	1,591,152	1,605,975
Operating revenues† .... thous. of dol.		115,800	114,300	115,700	112,900	121,400	116,500	123,600	119,800	108,700	116,200	118,200	120,100

r Revised. §See note marked "§" on p. S-20.

*New series. Data prior to February 1945 for imports from Colombia and Venezuela will be shown later. See note marked "‡" regarding the new series under airlines.

†Revised series. Data for local transit line revenues beginning in the April 1944 Survey and passengers carried beginning in the May 1945 issue are estimated totals for all local transit lines; revised data beginning 1936 will be published later.

‡Data have been revised to exclude operation of feeder lines and to include Colonial airlines formerly excluded and, for passengers and passenger miles to cover revenue passengers only. Revised earlier data, including data for the new series on express and freight ton-miles, will be published later.

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

TRANSPORTATION AND COMMUNICATIONS—Continued

	1947 June	1946 June	July	August	September	October	November	December	1947 January	February	March	April	May
TRANSPORTATION—Continued													
Class I Steam Railways													
Freight carloadings (Fed. Reserve indexes):													
Combined index, unadjusted ... 1935-39=100	142	137	143	145	149	149	141	131	138	133	137	134	144
Coal ... do	141	146	145	152	160	155	117	132	163	149	147	119	155
Coke ... do	170	138	172	177	181	180	166	163	184	182	182	169	183
Forest products ... do	151	155	153	165	166	154	148	139	147	159	159	148	154
Grains and grain products ... do	143	128	166	142	140	142	144	152	157	144	146	133	121
Livestock ... do	87	96	135	113	120	197	171	118	118	89	96	98	94
Merchandise, l. c. l. ... do	73	r 80	78	77	79	82	84	78	74	74	79	80	76
Ore ... do	286	213	263	243	245	216	169	45	44	43	50	157	267
Miscellaneous ... do	146	139	142	146	150	151	154	139	139	136	144	145	146
Combined index, adjusted† ... do	137	133	139	141	138	139	137	140	150	142	146	137	142
Coal† ... do	141	146	145	152	160	155	117	132	163	149	147	119	155
Coke† ... do	173	140	177	184	183	183	166	155	175	171	180	173	185
Forest products ... do	145	149	153	157	154	146	151	156	163	166	159	148	148
Grains and grain products† ... do	140	r 125	139	131	125	142	147	162	157	147	159	151	138
Livestock† ... do	108	118	166	118	91	128	136	122	123	110	121	111	104
Merchandise, l. c. l. ... do	74	81	78	77	75	79	83	81	77	76	78	79	76
Ore† ... do	184	137	164	162	164	157	157	145	176	172	171	184	184
Miscellaneous† ... do	142	135	141	145	139	139	148	148	152	145	151	147	145
Freight carloadings (A. A. R.):⊗													
Total cars ... thousands	3,543	3,436	3,407	4,478	3,517	3,680	4,220	3,022	3,168	3,179	4,170	3,233	4,376
Coal ... do	708	725	668	925	743	755	712	599	759	736	917	547	922
Coke ... do	54	45	52	70	55	57	64	48	56	58	73	53	72
Forest products ... do	188	193	181	254	197	192	222	166	167	195	250	183	233
Grains and grain products ... do	200	r 182	228	255	191	200	248	207	216	202	265	191	213
Livestock ... do	49	54	74	80	63	112	117	63	68	49	67	54	66
Merchandise, l. c. l. ... do	464	r 510	471	611	477	519	642	473	445	461	620	505	593
Ore ... do	324	246	289	347	269	249	240	49	48	49	69	164	369
Miscellaneous ... do	1,555	r 1,482	1,444	1,936	1,521	1,597	1,974	1,416	1,409	1,430	1,910	1,536	1,909
Freight-car suplus and shortage, daily average:													
Car surplus† ... thousands	11	18	5	3	2	2	12	16	4	3	3	12	5
Car shortage* ... do	15	7	14	24	21	31	33	24	20	31	36	20	15
Financial operations (unadjusted):‡													
Operating revenues, total ... thous. of dol	696,909	r 611,998	674,040	710,224	660,402	709,938	658,160	637,241	685,541	635,940	717,826	689,456	724,432
Freight ... do	556,889	r 458,539	513,252	546,130	515,623	566,968	522,806	493,531	551,050	518,615	592,186	564,807	591,687
Passenger ... do	84,787	r 106,605	112,383	112,115	95,361	89,345	85,510	92,716	82,450	70,766	71,411	70,414	77,349
Operating expenses ... do	550,057	r 517,363	542,164	555,892	529,798	558,424	536,081	549,828	538,968	509,380	549,368	543,301	557,318
Taxes, joint facility and equip. rents ... do	86,651	r 56,810	69,069	72,638	63,241	66,395	58,005	d *15,581*	88,855	83,415	95,676	87,745	91,385
Net railway operating income ... do	60,201	r 37,825	62,806	81,693	67,362	85,119	64,074	102,995	57,718	43,146	72,782	58,410	75,729
Net income ... do	--------	14,620	32,051	52,544	39,070	57,280	38,066	88,775	28,822	14,382	43,147	32,580	46,360
Financial operations, adjusted:†													
Operating revenues, total ... mil. of dol	--------	638.7	650.8	664.3	672.8	663.1	663.0	658.1	698.3	696.4	723.0	684.9	698.0
Freight ... do	--------	488.6	500.0	512.6	528.5	521.8	524.3	520.5	559.0	564.8	594.6	555.8	565.3
Passenger ... do	--------	102.9	103.0	100.0	95.7	91.3	89.4	91.0	86.0	78.4	72.2	72.9	78.2
Railway expenses ... do	--------	586.1	602.5	613.3	604.6	606.0	601.2	523.0	623.8	630.9	641.8	637.4	633.2
Net railway operating income ... do	--------	52.6	48.3	51.0	68.2	57.1	61.8	135.1	74.5	65.4	81.1	47.6	64.8
Net income ... do	--------	19.8	16.1	18.4	36.5	24.8	29.4	98.0	41.8	32.7	48.1	r 15.2	32.5
Operating results:													
Freight carried 1 mile ... mil. of tons	--------	53,524	55,236	59,466	56,399	60,848	54,873	52,712	57,019	51,833	59,485	53,935	60,009
Revenue per ton-mile ... cents	--------	.921	.989	.979	.975	.988	1.007	.997	1.034	1.070	1.055	1.115	1.055
Passengers carried 1 mile ... millions	--------	5,387	5,720	5,712	4,927	4,466	4,267	4,543	4,120	3,486	3,529	3,489	3,729
Waterway Traffic													
Clearances, vessels in foreign trade:⊙													
Total, U. S. ports ... thous. net tons	--------	7,202	7,509	8,025	6,220	4,986	6,843	5,768	6,222	6,296	6,870	7,615	9,646
Foreign ... do	--------	2,179	3,029	3,323	2,775	2,959	2,729	2,009	2,378	2,455	2,753	3,291	4,367
United States ... do	--------	5,022	4,481	4,701	3,445	2,027	4,114	3,759	3,844	3,841	4,116	4,324	5,278
Travel													
Hotels:													
Average sale per occupied room ... dollars	4.75	4.20	4.23	4.45	4.33	4.36	4.44	4.16	4.25	4.37	4.37	4.86	4.46
Rooms occupied ... percent of total	93	94	89	96	94	95	90	84	90	92	92	92	92
Restaurant sales index ... avg. same mo. 1929=100	248	250	232	254	236	226	241	208	214	213	214	240	244
Foreign travel:													
U. S. citizens, arrivals ... number	--------	27,009	29,327	33,387	34,409	29,639	29,597	30,923	--------	--------	--------	--------	--------
U. S. citizens, departures ... do	--------	27,708	34,201	34,281	27,953	24,755	31,178	37,782	--------	--------	--------	--------	--------
Emigrants ... do	--------	2,166	2,907	1,884	1,764	872	3,090	--------	--------	--------	--------	--------	--------
Immigrants ... do	--------	13,451	13,651	10,988	10,869	9,563	9,739	11,218	--------	--------	--------	--------	--------
Passports issued ♂ ... do	21,831	21,802	22,437	18,505	14,536	14,470	13,500	14,186	17,989	18,468	20,294	20,166	20,962
National parks, visitors ... number	902,034	621,794	1,075,421	1,152,584	695,958	271,570	118,066	87,287	97,348	122,349	137,189	205,603	442,191
Pullman Co.:													
Revenue passenger-miles ... thousands	--------	1,774,797	1,666,970	1,637,261	1,499,617	1,408,912	1,165,408	1,149,313	1,378,284	1,160,646	1,179,784	1,063,867	1,060,811
Passenger revenues ... thous. of dol	--------	10,951	10,373	10,470	9,903	9,458	8,429	9,059	10,214	8,677	8,857	8,094	8,018
COMMUNICATIONS													
Telephone carriers: ¶													
Operating revenues ... thous. of dol	--------	190,708	192,187	194,230	191,642	200,127	196,489	203,627	203,553	197,097	207,168	154,632	--------
Station revenues ... do	--------	104,153	103,589	103,726	105,054	108,872	107,775	110,477	111,649	109,982	112,806	97,754	--------
Tolls, message ... do	--------	71,898	73,777	75,726	71,612	75,978	73,343	77,363	76,009	71,051	78,111	40,943	--------
Operating expenses ... do	--------	143,153	154,214	152,346	147,636	154,864	151,471	159,272	157,464	149,048	157,198	132,973	--------
Net operating income ... do	--------	23,614	18,359	20,846	21,171	22,391	22,504	23,878	20,455	22,068	23,625	5,887	--------
Phones in service, end of month ... thousands	--------	27,340	27,608	27,908	28,156	28,463	28,754	29,067	29,249	29,564	29,874	30,448	--------
Telegraph and cable carriers: §													
Operating revenues, total ... thous. of dol	--------	16,677	17,915	17,573	16,568	17,590	16,653	17,948	17,688	16,233	17,530	23,264	--------
Telegraph carriers, total ... do	--------	15,521	16,673	16,437	15,372	16,275	15,380	16,553	16,330	14,984	16,134	21,892	--------
Western Union Telegraph Co., revenues from cable operations● ... thous. of dol	--------	622	638	594	610	620	595	717	599	534	571	534	611
Cable carriers ... do	--------	1,156	1,242	1,136	1,196	1,315	1,273	1,395	1,358	1,249	1,396	1,372	--------
Operating expenses ... do	--------	13,525	14,525	19,838	15,453	15,673	14,466	15,549	14,863	13,503	14,298	16,644	16,387
Net operating revenues ... do	--------	1,242	1,155	d *4,621*	d *865*	d *289*	6	698	590	520	1,093	4,399	2,140
Net income trans. to earned surplus ... do	--------	871	700	d *3,089*	d *1,193*	d *514*	d *31*	320	138	68	873	2,676	1,062
Radiotelegraph carriers, operating revenues ... do	--------	1,661	1,618	1,667	1,517	1,641	1,607	1,990	1,714	1,642	1,775	1,609	1,637

r Revised. d Deficit. ⊗ Data for August and November 1946, March and May 1947 are for 5 weeks; other months, 4 weeks.

‡ Revised data for May 1946, $36,029,000 deficit.

⊙ Data continue series published in the 1942 Supplement; data for December 1941-February 1945 will be published later. ♂ Passports to American seamen were included for the period February 1942-July 1945. ¶ Data relate to continental United States.

§ Compiled on a new basis beginning 1943; see April 1944 Survey for 1943 data and reference for revised 1942 data.

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

†Revised series. See note marked "*" regarding car surpluses. Revisions for 1939-July 1942 for the indicated indexes of car loadings are available on request. Revisions for January 1937-February 1943 for the adjusted series for financial operations are available on request.

● Data have been revised beginning in the May 1947 Survey to include all revenues from cable operations; figures shown previously include only transmission revenues.

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1947	1946							1947				
	June	June	July	August	September	October	November	December	January	February	March	April	May
CHEMICALS AND ALLIED PRODUCTS													
CHEMICALS													
Inorganic chemicals, production:*													
Ammonia, synthetic anhydrous (100% NH_3)⊗ short tons	--------	60, 609	65, 048	75, 794	77, 492	80, 829	80, 380	82, 123	85, 121	85, 663	95, 859	93, 007	97, 107
Calcium arsenate [100% $Ca_3(AsO_4)2$] thous. of lb	--------	4, 116	6, 438	8, 081	2, 608	1, 916	1, 330	754	1, 765	1, 543	1, 221	2, 320	5, 492
Calcium carbide (100% CaC_2) short tons	--------	43, 124	48, 716	53, 399	53, 940	57, 074	55, 312	51, 830	50. 675	45, 411	52, 466	51, 830	56, 286
Carbon dioxide, liquid, gas and solid (100% CO_2)♂ thous. of lb	--------	78, 545	88, 137	96, 571	78, 786	74, 890	62, 048	56, 787	60, 491	49, 858	62, 449	81, 330	96. 487
Chlorine short tons	--------	96, 420	98, 314	102, 550	104, 206	108, 174	97, 135	102, 628	110, 088	101, 717	117, 039	109, 050	118. 284
Hydrochloric acid (100% HCl) do	--------	27. 438	27, 960	29, 519	29, 789	32, 394	30, 150	30, 714	35, 144	33. 966	36, 993	34, 637	36, 406
Lead arsenate thous. of lb	--------	4, 874	1, 848	253	1, 624	2, 259	2, 865	3, 726	4, 923	3, 691	4, 481	5, 470	3, 717
Nitric acid (100% HNO_3)⊗ short tons	--------	55, 418	57, 066	59, 144	54, 136	61, 686	63. 277	62, 460	64. 138	62, 193	64, 647	64, 288	64, 826
Oxygen mil. cu. ft	--------	869	904	1, 008	997	1, 062	1, 006	1, 028	1, 101	1, 010	1, 218	1, 146	1, 188
Phosphoric acid (50% H_3PO_4) short tons	--------	67, 717	65, 858	74, 574	73, 795	80, 673	82, 020	79, 788	78, 892	74, 926	89, 050	82, 452	82, 655
Soda ash, ammonia-soda process (98–100% Na_2CO_3) short tons	--------	308, 623	361, 056	364, 178	358, 628	382, 026	368, 302	385, 369	380, 589	350. 634	383, 753	367, 847	396, 282
Sodium bichromate do	--------	6, 285	6, 864	7, 254	6, 601	7, 066	7, 176	6, 665	6, 979	5, 954	7, 129	7, 089	7, 474
Sodium hydroxide (100% NaOH) do	--------	148, 741	160, 347	163, 615	164, 652	168, 708	153, 275	165, 186	173, 449	156, 786	179, 400	166, 946	179, 142
Sodium silicate, soluble silicate glass (anhydrous)● short tons	--------	35, 020	39, 224	36, 915	34, 714	41, 188	34, 442	32, 479	39, 991	35, 884	42, 120	50, 267	39, 726
Sodium sulfate, Glauber's salt and crude salt cake short tons	--------	58, 200	55, 669	56, 988	57. 346	63. 683	52, 494	64, 878	66, 275	63. 208	70, 059	69, 947	74, 473
Sulfuric acid (100% H_2SO_4) do	--------	724,766	728,546	753,817	755,378	822,833	838,040	878,078	888, 912	835, 163	931, 237	865, 447	888, 304
Organic chemicals:													
Acetic acid (syn. and natural), prod.* thous. of lb	--------	25, 883	26, 206	26, 935	24, 464	27, 662	27, 718	31, 725	35, 152	30, 670	33, 620	30, 376	--------
Acetic anhydride, production* do	--------	42, 546	44, 521	39, 954	41, 209	46, 376	45, 033	48, 703	49, 157	45, 662	54, 206	53, 086	--------
Acetyl salicylic acid (aspirin), production* do	--------	676	572	460	574	710	1, 010	965	925	1, 024	832	1, 043	--------
Alcohol, denatured:‡													
Consumption (withdrawals) thous. of wine gal	13, 677	14, 645	14, 770	17, 610	18, 946	21, 291	19, 744	17, 416	14, 636	12, 361	12, 594	13, 469	14, 077
Production do	14, 150	12, 382	14, 831	16, 044	16, 019	18, 913	19, 625	17, 014	14, 670	11, 605	12, 683	13, 673	13, 892
Stocks do	1, 981	8, 965	9, 642	8, 082	5, 131	2, 744	2, 633	2, 200	2, 211	1, 423	1, 520	1, 712	1, 524
Alcohol, ethyl:‡													
Production thous. of proof gal	23, 792	18, 600	16, 619	19, 981	17, 796	18, 743	18, 025	20, 518	22, 398	18, 986	19, 456	23, 556	28, 082
Stocks, total do	27, 035	110, 539	98, 545	86, 474	72, 368	58, 189	42, 351	32, 800	30, 226	30. 954	28, 891	26, 853	29, 341
In industrial alcohol bonded warehouses do	25, 341	37, 014	34, 239	31, 788	28, 779	29, 512	26, 751	25, 745	22, 939	21, 573	22, 676	24, 800	27, 472
In denaturing plants do	1, 694	73, 525	64, 306	54, 686	43, 589	28, 676	15, 600	7, 054	7, 288	9, 381	6, 215	2, 053	1, 869
Withdrawn for denaturing do	26, 059	22, 834	27, 377	29, 267	29, 274	34, 938	36, 086	31, 200	27, 775	21. 409	23, 622	25, 226	25, 675
Withdrawn tax-paid do	2, 377	3, 579	4, 684	5. 733	4, 364	5, 284	5, 202	3, 910	4, 350	3, 260	3, 175	2, 555	2, 170
Creosote oil, production* thous. of gal	--------	10, 369	11, 180	12, 136	12, 744	13, 570	13, 027	13, 481	14, 038	14, 580	14, 696	14, 271	--------
Cresylic acid, refined, production* thous. of lb	--------	1, 903	2, 181	2, 339	2, 284	2, 456	2, 100	1, 817	2, 094	2. 142	2, 234	2, 436	--------
Ethyl acetate (85%) production* do	--------	6, 542	9, 877	8, 122	7, 334	8, 745	10, 170	9, 602	10, 185	7, 084	7, 902	5, 984	--------
Glycerin, refined (100% basis):*													
High gravity and yellow distilled:													
Consumption do	--------	6, 865	6, 175	6, 286	6, 089	5, 395	5, 244	5, 978	7, 022	6, 800	7, 407	8, 127	7, 428
Production do	--------	5, 319	4, 118	5, 211	4, 621	4, 638	5, 832	7, 431	7, 386	8. 234	8, 746	7, 651	6, 606
Stocks do	--------	16, 591	14, 821	13, 234	12, 805	12, 207	12, 709	15, 163	14, 102	15, 340	17, 544	18, 135	19, 151
Chemically pure:													
Consumption do	--------	5. 379	5, 249	5. 745	4, 924	5, 820	5, 263	5, 791	6, 963	6. 138	6, 555	6, 139	5, 957
Production do	--------	7, 634	5, 558	6, 864	6, 594	6, 136	5, 126	6, 042	7, 662	8, 573	8, 450	8, 531	9, 181
Stocks do	--------	21, 894	21, 122	22, 017	22, 539	21, 130	18, 054	18, 392	17, 941	18, 106	18, 875	19, 137	20, 789
Methanol, production:§													
Crude (80%) thous. of gal	--------	236	238	234	218	264	250	221	276	r230	244	284	286
Synthetic (100%) do	--------	5, 878	6, 753	6, 823	6, 592	6, 593	6, 674	6, 505	7, 145	6. 681	6, 991	6, 206	--------
Phthalic anhydride, production* thous. of lb	--------	7, 739	8, 921	8, 467	9, 334	9, 276	11, 246	10, 994	11, 687	10, 847	11, 690	9, 605	--------
FERTILIZERS													
Consumption, total* thous. of short tons	340	308	368	367	559	584	529	928	r1, 459	1, 225	1, 120	954	644
Midwest States* do	80	66	159	144	158	63	82	195	239	182	160	166	138
Southern States⊕ do	260	242	208	223	401	522	448	734	r1, 220	1, 042	960	788	505
Exports, total‡ long tons	--------	85. 783	110, 519	101, 539	80, 862	95, 796	83, 544	104, 336	89, 474	98. 945	92, 213	132, 895	141, 788
Nitrogenous‡ do	--------	13, 629	19, 801	13, 170	7, 388	2, 871	3, 430	5, 577	10, 854	21, 616	20, 851	30, 226	36, 037
Phosphate materials‡ do	--------	68, 202	83, 362	80, 474	63, 394	86, 791	70, 254	83, 752	64, 147	66. 401	58, 802	89, 765	94. 580
Prepared fertilizers‡ do	--------	313	534	776	809	253	2, 125	4, 720	1, 914	2. 448	1, 449	987	636
Imports, total‡ do	--------	114, 554	72, 409	58, 345	69, 266	80, 941	64, 434	39, 928	50, 020	51. 943	116, 166	145, 266	138, 060
Nitrogenous, total‡ do	--------	105, 132	59, 598	51, 891	63, 877	67, 573	55, 712	25. 096	40, 728	40. 851	103, 704	117, 102	108. 988
Nitrate of soda‡ do	--------	83, 556	28, 279	13, 521	11, 716	26, 929	23, 141	1, 327	10, 029	9, 358	65, 886	71. 738	80. 555
Phosphates‡ do	--------	2, 210	8, 996	3, 040	1, 463	7, 809	3, 446	6, 835	404	3, 759	3, 579	4, 346	4, 696
Potash‡ do	--------	0	0	0	0	0	0	18	0	0	897	13, 301	11, 250
Price, wholesale, nitrate of soda, crude, f. o. b. cars, port warehouses⊙ dol. per 100 lb	2. 075	1. 650	1. 650	1. 925	1. 925	1. 925	1. 925	1. 925	2. 045	2. 075	2. 075	2. 075	2. 075
Potash deliveries short tons	--------	77, 868	73, 575	72, 345	69, 690	70, 263	72, 770	81, 044	98, 555	77, 839	95, 229	84, 207	--------
Superphosphate (bulk):†													
Production do	802, 128	642,983	679,777	701,522	721, 475	754, 215	750, 940	783, 275	830, 752	824,578	888, 875	r863, 787	r892, 045
Stocks, end of month do	855, 352	667,144	740,853	720,517	709, 781	667, 912	736, 357	796, 677	815,611	750,550	r645, 412	r599, 529	r681, 235
MISCELLANEOUS													
Explosives (industrial), shipments thous. of lb	51, 048	47, 122	42, 190	47, 327	50, 307	51, 187	45, 300	45, 147	47, 092	45, 017	46, 444	46, 038	51, 296
Gelatin:‡													
Production, total* do	3, 847	3, 122	2, 750	3, 142	2, 947	3, 202	3, 311	3, 656	3, 858	3, 793	3, 954	3, 700	4, 117
Edible‡ do	2, 901	2, 038	1, 932	2, 166	1, 900	1, 652	2, 055	2, 259	2. 508	2, 407	2, 237	2, 405	3, 028
Stocks, total* do	6, 374	6, 119	5, 818	4, 958	4, 726	3, 864	3. 999	4, 857	5, 548	5. 789	6, 078	6, 369	6, 488
Edible‡ do	2, 787	2, 652	2, 628	2, 180	2, 315	1, 743	1, 824	2, 299	2, 878	2, 866	2, 988	2, 922	3, 059
Sulfur:*													
Production long tons	359, 313	304, 472	347, 936	356, 355	335, 300	333, 041	355, 179	351, 028	321, 415	298. 565	350, 307	333,531	377, 218
Stocks do	3,456,082	3,861,525	3,849,067	3,850,958	3,881,397	3,983,973	3,874,808	3 769 368	3,704,059	3,667,729	3,636,884	3,548,703	3,495,011

r Revised. ♂ Data have been shown on a revised basis beginning in the March 1945 Survey.

● Data were revised in the September 1945 Survey; see note in that issue. ⊙ For a brief description of this series see note in April 1946 Survey.

⊗ Data for nitric acid and ammonia include 2 additional plants beginning June 1946 and for the latter 1 additional plant beginning August 1946; see note in February 1947 Survey

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

§ See note in the April 1946 Survey with regard to differences between these series and similar data published in the 1942 Supplement to the Survey.

‡The indicated series, except data for alcohol stocks in denaturing plants (available only beginning 1942), continue series published in the 1942 Supplement; unpublished data for 1941 or 1942 through February 1945, and corrected data for 1937–July 1945 for nitrogenous and total fertilizer imports, will be shown later. See also note marked "●" on p. S–24 of the February 1947 Survey for further information on the series for ethyl alcohol and production of spirits at registered distilleries for industrial purposes.

*New series. See pp. 23 and 24 of the December 1945 Survey for data through 1943 for the indicated organic chemical series, except glycerin, and for ammonia, calcium carbide, oxygen, soda ash, and sulfuric acid (September 1941 revised, 572,579); data through 1943 for other inorganic chemical series have been revised or have not been published and there have also been recent revisions in the 1944–45 data for some series and 1944 data for sulfuric acid; all revisions will be published later. For a brief description of the series for glycerin see note in November 1944 Survey. Data for 1933–45 for fertilizer consumption by midwestern States and the total, which are from the National Fertilizers' Association, and for 1935–February 1945 for the new series on gelatin, will be shown later. Data for 1940–43 for sulphur are shown on p. 24 of the May 1946 Survey.

†Revised series. See note in November 1943 Survey regarding change in the superphosphate series. Data beginning January 1946 include operations of one company which was producing in 1945 but whose activities were not included in figures for that year; however, this change does not appreciably affect the comparability of the data.

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

CHEMICALS AND ALLIED PRODUCTS—Continued

	June 1947	June	July	August	September	October	November	December	January	February	March	April	May
NAVAL STORES													
Rosin (gum and wood):													
Price, gum, wholesale "H" (Sav.), bulk ... dol. per 100 lb	7.58	6.76	6.95	6.76	7.40	7.80	7.83	8.07	8.68	9.61	9.65	9.24	7.34
Production* ... drums (520 lb.)	----	416,690	----	----	489,676	----	----	462,007	----	----	351,875	----	----
Stocks* ... do	----	364,179	----	----	390,781	----	----	398,102	----	----	222,701	----	----
Turpentine (gum and wood):													
Price, gum, wholesale (Savannah)† ... dol. per gal	.61	.84	.96	.84	1.00	1.05	1.30	1.24	1.21	1.15	1.00	.85	.59
Production* ... bbl. (50 gal.)	----	145,477	----	----	167,933	----	----	143,055	----	----	113,520	----	----
Stocks* ... do	----	77,440	----	----	90,167	----	----	101,295	----	----	98,205	----	----
OIL SEEDS, OILS, FATS, AND BYPRODUCTS													
Animal, including fish oil:													
Animal fats:‡													
Consumption, factory ... thous. of lb	----	102,231	97,229	95,743	86,595	73,125	97,477	116,785	129,026	140,495	144,102	119,584	105,542
Production ... do	----	136,182	193,029	194,810	61,731	135,936	260,976	242,506	303,997	262,265	221,840	230,470	262,265
Stocks, end of month ... do	----	162,986	180,883	171,286	145,205	135,550	179,567	232,347	307,623	307,692	286,602	339,877	389,074
Greases:‡													
Consumption, factory ... do	----	44,982	40,238	46,764	39,550	42,106	39,291	45,003	48,688	45,730	45,864	42,572	43,939
Production ... do	----	38,078	45,042	43,879	27,698	36,666	46,000	45,637	52,591	47,484	44,586	46,735	48,613
Stocks, end of month ... do	----	90,569	103,285	92,241	78,390	63,173	63,123	64,907	72,871	67,138	64,305	69,983	84,829
Fish oils:‡													
Consumption, factory ... do	----	13,319	13,408	15,647	15,465	17,028	18,976	18,374	18,509	18,772	20,290	20,365	14,135
Production ... do	----	13,876	27,874	24,870	21,540	18,726	10,812	7,867	1,646	1,260	777	1,577	1,301
Stocks, end of month ... do	----	58,906	79,276	93,304	108,211	121,676	114,682	116,786	107,320	102,400	79,211	66,335	57,728
Vegetable oils, total:													
Consumption, crude, factory ... mil. of lb	----	268	219	264	255	368	416	418	431	412	417	395	333
Exports♂ ... thous. of lb	----	31,054	17,457	16,817	8,361	7,660	10,015	14,561	27,090	5,634	7,011	7,291	13,643
Imports, total♂ ... do	----	6,438	12,351	17,863	12,001	25,107	33,973	51,817	31,942	46,545	32,697	36,677	54,057
Paint oils♂ ... do	----	3,559	8,290	11,085	6,232	19,365	21,112	41,904	27,274	31,314	21,737	28,343	43,672
All other vegetable oils♂ ... do	----	2,879	4,061	6,778	5,769	5,742	12,861	9,913	4,668	15,231	10,960	8,333	10,385
Production ... mil. of lb	----	235	261	255	279	390	409	403	443	392	382	356	313
Stocks, end of month:													
Crude ... do	----	486	503	499	515	521	519	538	534	550	556	557	579
Refined ... do	----	475	407	321	267	250	247	262	279	304	311	353	392
Copra:													
Consumption, factory♂ ... short tons	----	21,408	20,239	31,294	37,510	36,278	15,949	44,125	56,069	51,352	59,163	59,214	53,347
Imports♂ ... do	----	34,238	42,846	36,975	35,960	27,381	43,495	93,768	74,963	51,285	72,319	61,925	61,004
Stocks, end of month♂ ... do	----	24,333	37,710	48,551	38,662	12,964	33,074	58,654	89,781	71,902	72,777	77,541	59,714
Coconut or copra oil:													
Consumption, factory:‡													
Crude ... thous. of lb	----	24,888	14,218	30,709	42,707	49,747	38,577	44,655	62,871	64,270	74,349	72,406	70,349
Refined ... do	----	8,148	8,571	16,055	20,437	27,724	17,236	16,438	26,648	29,822	31,217	31,057	29,103
Imports♂ ... do	----	0	0	945	(1)	121	380	0	1,088	1,822	5,549	813	2,394
Production:													
Crude‡ ... do	----	27,188	25,247	39,614	47,417	45,306	18,827	54,830	68,683	63,024	73,902	74,043	68,398
Refined ... do	----	12,729	8,173	16,603	22,815	26,614	16,305	19,505	30,909	32,749	36,581	35,720	33,020
Stocks, end of month:‡													
Crude ... do	----	85,537	92,366	100,880	105,974	95,441	77,793	90,965	87,005	97,177	115,722	130,011	138,489
Refined ... do	----	10,258	9,257	7,780	10,541	8,607	9,622	9,797	12,376	13,935	13,228	14,267	19,088
Cottonseed:													
Consumption (crush) ... thous. of short tons	69	[r] 50	42	89	227	515	525	397	412	300	211	164	105
Receipts at mills ... do	13	9	60	111	446	1,070	703	338	151	104	35	21	13
Stocks at mills, end of month ... do	107	100	118	140	359	914	1,091	1,032	771	575	399	256	164
Cottonseed cake and meal:													
Production ... short tons	30,449	[r] 21,787	18,234	37,972	98,629	228,936	232,892	176,065	181,204	132,015	92,738	71,216	45,904
Stocks at mills, end of month ... do	87,614	[r] 41,341	31,628	27,765	52,276	58,277	80,913	119,928	158,905	158,675	126,818	125,477	116,987
Cottonseed oil, crude:													
Production ... thous. of lb	23,286	[r] 15,563	13,518	26,021	69,807	160,011	164,961	124,786	129,368	93,504	68,248	53,475	35,115
Stocks, end of month ... do	20,144	[r] 24,538	23,333	27,114	63,245	93,603	101,983	98,093	105,959	86,564	72,088	51,591	33,593
Cottonseed oil, refined:													
Consumption, factory‡ ... do	----	67,513	65,774	82,163	61,321	93,543	129,160	113,769	108,240	81,664	73,351	53,077	35,140
In oleomargarine ... do	----	13,504	16,132	16,501	13,461	22,832	27,101	25,279	30,116	28,008	24,474	14,485	12,981
Price, wholesale, summer, yellow, prime (N. Y.) ... dol. per lb	.241	.143	.163	(2)	(2)	.268	.262	.280	.302	.350	.389	.314	.256
Production ... thous. of lb	35,750	[r] 32,220	14,982	21,354	26,591	116,300	138,120	126,973	113,015	103,872	83,789	71,126	48,730
Stocks, end of month ... do	203,856	[r] 316,318	263,154	197,152	157,322	165,771	165,735	171,157	170,239	182,808	191,326	207,411	217,204
Flaxseed:													
Imports♂ ... thous. of bu	----	788	642	377	97	9	48	20	12	14	18	19	17
Duluth:													
Receipts ... do	7	278	114	210	883	591	1,938	211	27	40	35	7	10
Shipments ... do	74	482	231	133	629	387	1,396	1,077	2	69	69	39	83
Stocks ... do	78	292	175	194	448	652	1,194	327	307	303	270	238	145
Minneapolis:													
Receipts ... do	128	468	554	2,725	3,174	2,752	1,877	750	479	182	311	532	257
Shipments ... do	202	134	173	481	751	547	1,941	73	257	146	190	345	87
Stocks ... do	516	620	261	1,202	3,219	3,967	3,905	3,889	3,513	2,896	2,280	1,615	1,162
Oil mills:‡													
Consumption ... do	----	2,470	3,692	2,789	2,343	2,150	2,284	1,883	1,790	1,545	1,636	1,560	1,335
Stocks, end of month ... do	----	2,789	2,739	3,309	3,644	3,488	2,849	3,362	2,024	1,415	1,079	980	855
Price, wholesale, No. 1 (Minneapolis) ... dol. per bu	6.12	3.35	3.79	3.95	4.00	5.22	7.26	7.27	7.25	(3)	8.51	7.50	6.30
Production (crop estimate) ... thous. of bu	[4] 38,374	----	----	----	----	----	----	[5] 22,962	----	----	----	----	----
Linseed cake and meal:													
Shipments from Minneapolis ... thous. of lb	26,160	24,840	24,960	41,700	27,840	34,020	37,200	34,080	33,960	24,420	28,740	30,720	26,760
Linseed oil:													
Consumption, factory‡ ... do	----	45,737	41,603	46,652	43,227	44,246	42,302	41,891	44,978	41,575	45,174	47,453	45,094
Price, wholesale (N. Y.) ... dol. per lb	.325	.155	.176	.168	.178	.188	.354	.358	.366	.378	.395	.394	.376
Production‡ ... thous. of lb	----	50,522	75,884	57,290	46,494	42,624	44,712	36,696	34,823	30,499	31,401	28,850	25,064
Shipments from Minneapolis ... do	13,620	20,100	20,400	22,980	23,040	26,760	27,840	21,720	20,460	19,380	23,460	25,380	19,620
Stocks at factory, end of month ... do	----	115,468	121,810	128,814	128,653	126,136	136,550	152,069	140,898	136,681	125,060	131,769	134,627
Soybeans:													
Consumption, factory‡ ... thous. of bu	----	12,051	12,957	11,955	9,033	10,929	15,054	15,669	17,115	15,983	16,490	15,914	15,006
Production (crop estimate) ... do	----	----	----	----	----	----	----	[5] 196,725	----	----	----	----	----
Stocks, end of month ... do	----	22,753	16,702	9,176	1,793	40,235	56,989	60,021	56,104	52,338	41,977	41,680	37,147

[r] Revised. [1] Less than 500 pounds. [2] No quotation. [3] No sales. [4] July 1 estimate. [5] December 1 estimate.

♂Data continue series published in the 1942 Supplement; unpublished data through February 1945 for the indicated series will be shown later.

‡Revisions for 1941-42 for coconut or copra oil production and stocks and linseed oil production and for 1941-43 for other indicated series are available on request.

*New series. See p. S-24 of the May 1946 Survey for a brief description of the new series for turpentine and rosin and data beginning 1945; data beginning in 1942 will be shown later.

† Revised series. See note on p. S-23 of the November 1943 Survey regarding change in the turpentine price series.

CHEMICALS AND ALLIED PRODUCTS—Continued

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1947	1946							1947				
	June	June	July	August	September	October	November	December	January	February	March	April	May
OIL SEEDS, OILS, FATS, ETC.—Continued													
Soybean oil:													
Consumption, factory, refined‡ .... thous. of lb		86,459	85,466	98,870	89,810	94,787	106,744	95,542	107,954	104,827	113,782	101,229	71,893
Production:‡													
Crude .... do		107,904	116,508	107,441	82,612	98,841	134,303	137,262	151,554	141,115	145,013	141,456	135,889
Refined .... do		105,136	96,301	106,081	88,106	86,669	120,031	121,932	126,298	120,867	121,389	115,877	92,640
Stocks, end of month:‡													
Crude .... do		137,539	146,866	131,659	116,522	111,756	108,591	98,538	97,712	97,226	94,053	89,302	108,868
Refined .... do		116,356	103,110	90,535	77,293	55,998	52,604	61,758	70,131	76,995	73,993	91,327	114,806
Oleomargarine:													
Consumption (tax-paid withdrawals)§ .... do		34,567	37,232	40,781	32,373	51,428	56,550	57,680	66,262	66,470	66,626	39,376	36,493
Price, wholesale, standard, uncolored, (Chicago) dol. per lb	.330	.165	(1)	(1)	.195	.270	.420	.412	.393	.394	.424	.420	.354
Production§ .... thous. of lb		36,062	47,262	43,402	37,067	60,271	62,966	59,771	67,946	67,755	69,914	46,716	37,730
Shortenings and compounds:													
Production .... do		103,861	100,896	134,921	100,740	127,694	157,006	139,760	131,754	129,315	138,551	99,867	63,151
Stocks, end of month .... do		45,868	44,045	42,503	52,830	51,442	41,578	41,305	51,391	48,311	51,184	66,178	49,995
Vegetable price, wholesale, tierces (Chi) dol. per lb	(1)	.165	(1)	(1)	.171	.171	(1)	(1)	(1)	(1)	(1)	(1)	(1)
PAINT SALES													
Calcimines, plastic-texture and cold-water paints:●													
Calcimines .... thous. of dol		96	73	87	73	66	64	101	93	89	102	75	90
Plastic-texture paints .... do		111	115	135	129	135	146	186	254	227	292	235	227
Cold-water paints:													
In dry form .... do		476	500	534	454	555	420	329	403	352	422	419	407
In paste form for interior use .... do		244	269	286	217	261	371	286	307	329	348	334	312
Paint, varnish, lacquer, and fillers, total .... do		66,071	65,202	68,482	63,054	69,991	70,136	73,538	83,788	81,632	92,111	r 99,516	99,411
Classified, total .... do		59,422	59,258	61,240	55,773	63,156	62,483	66,131	74,210	73,273	82,017	r 89,296	88,579
Industrial .... do		23,653	24,259	26,060	24,014	28,219	27,374	30,342	32,405	29,928	32,540	r 34,338	32,357
Trade .... do		35,769	34,999	35,180	31,759	34,937	35,109	35,789	41,804	43,345	49,477	r 54,959	56,222
Unclassified .... do		6,649	5,944	7,242	7,280	6,836	7,652	7,407	9,578	8,358	10,094	10,220	10,831
CELLULOSE PLASTIC PRODUCTS													
Shipments and consumption: ⊗													
Cellulose acetate and mixed ester plastics:													
Sheets, rods and tubes .... thous. of lb		1,826	1,883	1,509	1,535	1,977	1,073	1,691	1,920	1,481	1,610	1,762	1,689
Molding and extrusion materials .... do		6,736	7,167	7,242	7,001	7,472	5,984	7,951	7,657	7,081	6,461	5,357	4,317
Nitrocellulose, sheets, rods, and tubes .... do		1,429	1,524	1,539	1,515	1,697	1,233	1,506	1,597	1,319	1,226	1,329	1,052

ELECTRIC POWER AND GAS

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1947 June	1946 June	July	August	September	October	November	December	1947 January	February	March	April	May
ELECTRIC POWER													
Production (utility and industrial), total* mil. of kw.-hr	24,469	21,441	22,583	23,669	22,788	24,430	23,943	24,875	25,957	23,698	25,544	24,652	25,009
Industrial establishments* .... do	4,225	3,818	3,963	4,155	3,983	4,208	3,994	4,028	4,321	4,083	4,298	4,148	4,203
By fuels* .... do	3,825	3,381	3,551	3,788	3,674	3,867	3,675	3,672	3,896	3,683	3,843	3,711	3,809
By water power* .... do	400	437	412	366	309	341	319	356	425	399	455	437	424
Utilities (for public use), total† .... do	20,244	17,624	18,620	19,515	18,805	20,222	19,949	20,847	21,636	19,616	21,246	20,504	20,776
By fuels† .... do	13,451	10,943	12,204	13,389	13,169	13,935	13,669	14,269	14,500	13,261	13,981	13,216	13,387
By water power† .... do	6,793	6,681	6,416	6,125	5,636	6,287	6,280	6,578	7,136	6,355	7,265	7,287	7,389
Privately and municipally owned utilities .... do	17,414	15,212	16,045	16,783	16,123	17,316	17,119	17,842	18,545	16,833	18,266	17,661	17,801
Other producers† .... do	2,829	2,412	2,575	2,731	2,682	2,906	2,830	3,005	3,092	2,783	2,980	2,843	2,975
Sales to ultimate customers, total (Edison Electric Institute)¶ .... mil. of kw.-hr		15,185	15,608	16,474	16,358	16,721	16,933	17,450	18,302	17,783	17,772	17,665	17,610
Residential or domestic .... do		2,954	2,883	2,900	3,018	3,130	3,414	3,739	4,149	3,960	3,727	3,572	3,437
Rural (distinct rural rates) .... do		443	470	548	489	410	328	302	291	295	320	421	514
Commercial and industrial:													
Small light and power¶ .... do		2,617	2,718	2,815	2,825	2,821	2,944	3,018	3,175	3,142	3,026	3,070	2,994
Large light and power¶ .... do		7,963	8,309	8,953	8,800	9,064	8,908	8,832	9,219	8,988	9,285	9,264	9,375
Street and highway lighting¶ .... do		147	154	168	184	206	222	236	233	204	200	178	165
Other public authorities¶ .... do		459	464	468	455	471	460	600	511	506	491	494	475
Railways and railroads¶ .... do		550	558	572	537	572	609	667	674	643	673	618	604
Interdepartmental¶ .... do		51	52	51	50	47	49	55	51	46	50	46	46
Revenue from sales to ultimate customers (Edison Electric Institute) .... thous. of dol		278,544	279,659	286,945	288,041	292,587	300,489	310,910	326,460	320,174	313,074	310,762	310,025
GAS†													
Manufactured and mixed gas (quarterly):													
Customers, end of quarter, total .... thousands		11,394			11,319			11,411			11,224		
Residential (incl. house-heating) .... do		10,687			10,616			10,687			10,502		
Industrial and commercial .... do		699			694			714			713		
Sales to consumers, total .... mil. of cu. ft		133,355			110,834			146,400			198,580		
Residential .... do		88,856			70,113			98,474			139,476		
Industrial and commercial .... do		43,139			39,657			46,171			57,139		
Revenue from sales to consumers, total thous. of dol		122,181			107,835			130,155			159,188		
Residential (incl. house-heating) .... do		92,055			80,923			97,743			119,318		
Industrial and commercial .... do		29,245			26,214			31,345			38,714		
Natural gas (quarterly):													
Customers, end of quarter, total .... thousands		9,171			9,259			9,478			9,739		
Residential (incl. house-heating) .... do		8,554			8,654			8,812			8,999		
Industrial and commercial .... do		612			600			661			734		
Sales to consumers, total .... mil. of cu. ft		508,141			465,984			573,015			728,393		
Residential (incl. house-heating) .... do		129,143			73,020			161,021			297,553		
Industrial and commercial .... do		361,315			383,859			400,202			422,052		
Revenue from sales to consumers, total thous. of dol		159,853			131,165			188,587			270,598		
Residential (incl. house-heating) .... do		85,177			56,383			101,256			171,935		
Industrial and commercial .... do		72,265			73,393			85,239			96,797		

r Revised. 1 No quotation. ‡ Minor revisions for 1941–43 are available on request.

§ For July 1941–June 1942 revisions see February 1943 Survey, p. S–23; revisions for July 1942–June 1944 are on p. 23 of the November 1945 issue; revisions for July 1944–June 1945 are on p. S–25 of the August 1946 issue; revisions for July 1945–June 1946 are on p. S–25 of the March 1947 Survey.

● Data for some items are not comparable with data prior to 1945; see note for calcimines, plastics and cold-water paints at bottom of p. S–23 of the December 1945 Survey.

¶ 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.

† 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; revised figures for 1920–July 1945 for "other producers" will be shown later.

FOODSTUFFS AND TOBACCO

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1947	1946							1947				
	June	June	July	August	September	October	November	December	January	February	March	April	May
ALCOHOLIC BEVERAGES													
Fermented malt liquors:†													
Production ... thous. of bbl.	8,342	6,844	7,373	6,723	8,436	7,948	6,610	7,136	6,890	5,761	6,836	7,435	7,983
Tax-paid withdrawals ... do.	7,939	6,374	7,209	7,476	7 228	7,110	6,523	6,461	5,965	5,543	6,277	7,029	7,511
Stocks, end of month ... do.	9,565	8,035	7,881	6,888	7,838	8,309	8,175	8,467	9,134	9,067	9,325	9,399	9,538
Distilled spirits:													
Apparent consumption for beverage purposes† thous. of wine gal.	-------	18,535	19,068	19,392	17,691	20,408	19,933	19,739	14,871	13,455	13,730	11,974	12,173
Imports§ ... thous. of proof gal.	-------	1,525	1,467	1,130	1,312	1,611	1,447	1,219	725	817	791	751	1,125
Production† ... thous. of tax gal.	16,416	13,486	16,011	15,538	25,020	31,488	20,703	31,802	38,437	34,541	32,757	27,456	21,437
Tax-paid withdrawals† ... do.	6,037	r 9,940	12,120	11,519	11,115	13,184	12,734	12,173	12,498	10,070	9,804	8,650	5,846
Stocks, end of month† ... do.	525,828	420,262	421,390	420,947	420,778	418,925	419,350	433,117	454,426	473,163	492,466	506,031	516,738
Whisky:													
Imports§ ... thous. of proof gal.	-------	708	711	639	833	969	1,033	873	582	713	708	712	1,071
Production† ... thous. of tax gal.	9,932	7,382	8,526	7,504	8,517	9,257	7,838	19,790	24,583	21,462	19,272	17,123	14,099
Tax-paid withdrawals† ... do.	3,278	3,933	4,903	4,870	4,915	5,968	6,454	5,816	5,952	4,640	4,557	4,449	3,183
Stocks, end of month† ... do.	464,825	374,072	376,213	377,290	378,902	380,295	380,557	391,613	408,517	423,841	437,770	449,351	457,941
Rectified distilled spirits, production, total† thous. of proof gal.	7,004	r 11,958	14,450	15,036	14,415	16,202	15,104	13,903	13,829	11,164	10,635	9,342	6,691
Whisky ... do.	6,518	8,991	11,764	12,150	12,484	14,429	13,462	12,178	12,528	10,170	9,621	8,675	6,159
Wines and distilling materials:													
Sparkling wines:													
Imports§ ... thous. of wine gal.	-------	56	48	32	39	46	85	84	20	7	9	9	13
Production† ... do.	-------	194	238	241	249	251	184	192	192	152	226	221	130
Tax-paid withdrawals† ... do.	-------	168	167	194	166	254	230	181	68	49	75	51	62
Stocks, end of month† ... do.	-------	1,225	1,291	1,331	1,400	1,389	1,325	1,315	1,429	1,521	1,665	1,826	1,882
Still wines:													
Imports§ ... do.	-------	414	532	439	319	443	470	331	255	232	265	171	172
Production⊙ ... do.	-------	655	974	5,009	51,133	84,152	20,909	3,639	1,099	862	535	466	390
Tax-paid withdrawals† ... do.	-------	11,100	10,177	10,643	10,321	12,065	11,538	9,878	7,392	5,577	6,634	5,960	5,682
Stocks, end of month† ... do.	-------	102,014	91,995	85,435	129,098	206,301	216,770	205,365	197,313	190,155	181,194	174,586	169,984
Distilling materials produced at wineries⊙ ... do.	-------	7,938	10,041	16,186	97,470	144,854	56,709	9,987	1,743	1,303	3,279	1,580	1,040
DAIRY PRODUCTS													
Butter, creamery:													
Price, wholesale, 92-score (N. Y.)‡ ... dol. per lb.	.633	.523	.694	.705	.768	.840	.816	.822	.666	.709	.696	.631	.613
Production (factory)† ... thous. of lb.	156,305	r 120,749	127,330	115,765	104,830	97,495	81,260	89,035	97,785	91,720	110,480	115,915	r 145,890
Stocks, cold storage, end of month♂ ... do.	49,617	49,649	69,510	84,980	73,931	59,586	41,477	27,874	18,224	9,988	7,818	9,194	r 17,445
Cheese:													
Imports§ ... do.	-------	1,275	1,807	2,699	2,652	3,089	1,384	1,304	652	389	487	r 455	355
Price, wholesale, American Cheddars (Wisconsin) dol. per lb.	(2)	.295	.371	.409	.435	(2)	.449	.399	.383	.370	(2)	.338	.298
Production, total (factory)† ... thous. of lb.	151,995	r 130,672	116,625	106,470	93,330	83,340	70,500	69,680	74,275	77,110	100,610	116,845	r 144,140
American whole milk† ... do.	125,735	r 97,646	87,830	81,010	70,340	60,785	51,655	50,920	55,680	58,990	78,015	92,615	r 118,420
Stocks, cold storage, end of month♂ ... do.	160,307	136,759	148,786	160,272	157,180	129,941	123,435	123,592	114,606	98,053	93,427	113,854	r 133,495
American whole milk ... do.	129,480	110,807	120,136	126,899	126,084	101,185	92,422	93,873	87,459	74,795	71,757	88,737	r 106,479
Condensed and evaporated milk:													
Exports:§													
Condensed ... do.	-------	5,667	6,619	3,066	2,955	1,979	3,634	15,580	8,911	4,273	4,694	7,275	7,549
Evaporated ... do.	-------	38,760	135,652	89,447	55,233	30,767	39,791	46,037	28,871	23,354	25,355	23,534	39,517
Prices, wholesale, U. S. average:													
Condensed (sweetened) ... dol. per case.	8.26	6.33	6.79	7.03	7.78	7.92	8.25	8.25	8.25	8.25	8.28	8.27	8.26
Evaporated (unsweetened) ... do.	5.18	4.54	5.09	5.32	5.46	5.79	5.88	5.88	5.86	5.72	5.64	5.42	5.23
Production:													
Condensed (sweetened):													
Bulk goods● ... thous. of lb.	116,620	r 133,525	r 112,694	r 98,221	r 69,685	r 52,989	r 30,146	r 33,956	r 34,160	r 38,695	r 56,340	r 82,800	r 111,875
Case goods† ... do.	12,950	r 13,075	10,800	10,400	8,250	7,450	6,275	6,780	7,980	7,100	8,620	11,750	12,750
Evaporated (unsweetened), case goods† ... do.	410,000	r 380,880	336,600	291,400	242,000	195,600	169,100	183,550	206,300	210,200	270,800	321,200	417,450
Stocks, manufacturers', case goods, end of month:													
Condensed (sweetened) ... thous. of lb.	7,196	9,617	11,119	10,826	12,549	11,377	8,701	5,230	4,923	4,346	5,450	5,279	6,387
Evaporated (unsweetened) ... do.	440,952	220,331	229,279	211,680	202,775	171,026	148,210	129,464	130,902	117,497	118,926	148,266	278,814
Fluid milk:													
Price, dealers', standard grade ... dol. per 100 lb.	4.41	3.47	4.00	4.21	4.43	4.62	4.87	4.96	4.94	4.74	4.68	4.63	4.46
Production† ... mil. of lb.	12,982	12,578	11,927	10,838	9,446	8,989	8,297	8,529	8,911	8,491	9,870	10,472	12,260
Utilization in manufactured dairy products† ... do.	-------	4,803	4,685	4,226	3,724	3,334	2,809	3,016	3,311	3,205	3,964	4,364	5,490
Dried skim milk:													
Exports§ ... thous. of lb.	-------	5,101	20,992	23,596	11,683	6,546	14,728	4,540	9,594	10,321	7,545	16,208	14,401
Price, wholesale, for human consumption, U. S. average ... dol. per lb.	.956	.143	.146	.145	.147	.146	.147	.145	.131	.114	.100	.100	.94
Production, total† ... thous. of lb.	102,020	r 92,177	73,400	56,725	39,840	29,410	24,150	35,695	46,080	51,160	68,800	75,450	90,800
For human consumption† ... do.	96,730	r 89,805	71,300	55,300	39,100	29,060	23,800	35,100	45,130	49,930	66,600	73,100	87,200
Stocks, manufacturers', end of month, total ... do.	114,439	87,745	82,413	68,984	62,267	46,885	34,809	39,543	45,947	61,886	80,236	78,047	r 102,973
For human consumption ... do.	110,775	r 85,978	78,930	65,712	59,698	44,852	32,786	38,299	45,600	61,213	79,126	76,646	100,888
FRUITS AND VEGETABLES													
Apples:													
Production (crop estimate) ... thous. of bu.	[3] 111,174	-------	-------	-------	-------	-------	-------	[1] 119,410	-------	-------	-------	-------	-------
Shipments, carlot ... no. of carloads.	626	243	1,046	1,319	6,143	11,720	6,940	6,682	5,894	5,222	3,625	2,347	1,687
Stocks, cold storage, end of month ... thous. of bu.	292	249	112	513	10,145	31,973	33,413	27,344	19,379	r 12,944	7,593	3,954	r 1,544
Citrus fruits, carlot shipments ... no. of carloads.	13,829	13,315	8,755	7,724	6,867	10,961	15,503	19,381	21,234	17,032	11,391	18,216	17,774
Frozen fruits, stocks, cold storage, end of month thous. of lb.	337,566	297,629	396,637	459,581	501,914	510,257	497,802	470,710	439,226	403,664	367,013	319,718	r 327,700
Frozen vegetables, stocks, cold storage, end of month thous. of lb.	252,091	175,704	229,187	284,809	317,691	351,273	351,474	333,084	320,307	296,588	276,099	247,795	r 230,827
Potatoes, white:													
Price, wholesale (N. Y.) ... dol. per 100 lb.	4.106	3.344	3.465	3.012	3.188	2.515	2.312	2.495	2.538	2.638	3,006	3,490	3,812
Production (crop estimate)† ... thous. of bu.	[2] 351,674	-------	-------	-------	-------	-------	-------	r 475,969	-------	-------	-------	-------	-------
Shipments, carlot ... no. of carloads.	25,259	30,627	25,095	21,505	21,405	24,862	21,567	16,905	20,798	21,830	30,138	r 26,782	23,713

r Revised. [1] December 1 estimate. [2] No quotation. [3] July 1 estimate. ‡See note in June 1945 Survey for explanation of this price series. ♂ See note marked "♂" on p. S-28.

⊙ 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: 1944-45 revisions are on p. 16 of April 1947 Survey.

†Revisions for consumption of distilled spirits for beverage purposes are shown on p. 22 of the July 1946 Survey. See note marked "†" on p. S-25 of the April 1946 Survey for reference to 1941-44 revisions for other alcoholic beverage series and p. S-27 of the May 1946 issue for revisions for fiscal year 1945; revisions for all months of the fiscal year 1946 are shown on p. S-26 of the March 1947 Survey. Stocks for distilled spirits include products branded "spirits" which were shown in the May-October 1946 issues of the Survey with data for ethyl alcohol (see note in November 1946 Survey); production figures are net excluding spirits used in redistillation; tax-paid withdrawals of ethyl alcohol, which are largely for beverage purposes, are not included here but are shown on p. S-23. 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; revisions for 1944-45 for these series and for utilization of milk in manufactured dairy products are shown on p. 16 of the April 1947 Survey (further revisions have been made in the 1944 figures for total cheese and condensed milk, bulk goods); revisions for 1920-43 for utilization of milk in manufactured dairy products will be shown later; January 1940-January 1946 revisions for milk production are on p. 19 of the April 1947 Survey. Revised estimates of potato crop 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	1947 June	1946 June	1946 July	1946 August	1946 September	1946 October	1946 November	1946 December	1947 January	1947 February	1947 March	1947 April	1947 May
FOODSTUFFS AND TOBACCO—Continued													
GRAINS AND GRAIN PRODUCTS													
Exports, principal grains, including flour and meal♂ thous. of bu.		41,542	28,632	27,347	24,134	12,333	26,987	35,135	33,569	42,347	48,515	48,370	50,767
Barley:													
Exports, including malt♂ do.		570	245	402	249	209	489	435	271	572	624	797	1,226
Prices, wholesale (Minneapolis):													
No. 3, straight dol. per bu.	2.03	1.43	1.61	1.61	1.67	1.61	1.62	1.69	1.70	1.64	1.84	1.81	1.90
No. 2, malting do.	2.14	1.45	1.66	1.66	1.70	1.70	1.72	1.77	1.78	1.76	1.91	1.92	2.01
Production (crop estimate)† thous. of bu.	[1] 284,867							[2] 263,350					
Receipts, principal markets do.	8,252	4,668	8,284	18,250	22,046	14,840	8,026	9,214	10,241	4,806	7,242	9,625	8,449
Stocks, commercial, domestic, end of month do.	7,753	4,464	3,983	11,554	18,248	26,161	24,510	20,985	20,608	19,313	14,108	10,816	8,869
Corn:													
Exports, including meal♂ thous. of bu.		7,036	2,508	997	111	385	487	2,076	5,152	9,149	8,045	15,421	20,706
Grindings, wet process do.	11,794	10,636	9,469	9,977	10,456	11,652	12,198	12,313	12,705	11,701	12,245	12,091	12,385
Prices, wholesale:													
No. 3, white (Chicago) dol. per bu.	2.14	(a)	2.32	(a)	(a)	2.10	1.75	1.50	1.43	1.51	1.74	1.78	1.79
No. 3, yellow (Chicago) do.	2.10	1.53	2.17	1.93	1.89	1.82	1.39	1.34	1.33	1.42	1.73	1.78	1.78
Weighted average, 5 markets, all grades do.	1.95	1.40	2.03	1.88	1.83	1.63	1.31	1.25	1.21	1.31	1.59	1.69	1.68
Production (crop estimate)† thous. of bu.	[1] 2,612,809							[2] 3,287,927					
Receipts, principal markets do.	40,223	11,103	23,924	16,830	11,297	18,062	40,562	44,316	49,913	43,643	48,169	38,765	38,736
Stocks, domestic, end of month:													
Commercial do.	11,233	15,904	11,864	11,768	4,944	4,076	14,758	27,870	31,667	34,505	37,387	29,112	16,282
On farms† do.	687,803	496,928			[3] 153,003			2,165,776			1,294,709		
Oats:													
Exports, including oatmeal♂ do.		653	337	2,384	3,872	946	2,517	1,703	797	323	1,187	656	775
Price, wholesale, No. 3, white (Chicago) dol. per bu.	1.02	(a)	.82	.78	.81	.86	.85	.83	.84	.84	.94	.92	.99
Production (crop estimate)† thous. of bu.	[1] 1,247,454							[2] 1,509,867					
Receipts, principal markets do.	12,182	5,915	25,315	30,832	25,257	18,922	11,426	11,253	11,543	9,412	14,667	12,887	14,201
Stocks, domestic, end of month:													
Commercial do.	5,038	3,153	7,181	15,080	20,319	19,669	14,185	9,158	7,360	6,162	6,321	5,389	4,592
On farms† do.	[3] 259,148	[3] 274,862			1,155,691			898,828			536,787		
Rice:													
Exports♂ pockets (100 lb.)		646,012	305,369	63,686	141,848	89,520	1,145,334	1,608,421	486,202	1,066,049	364,156	523,813	352,969
Imports♂ do.		3,742	3,098	13,383	5,955	6,668	1,551	63	1,328	18	82	r 2,033	1,626
Price, wholesale, head, clean (N. O.) dol. per lb.	.090	.066	.116	.066	.072	.082	.086	.090	.090	.090	.090	.089	.090
Production (crop estimate)† thous. of bu.	[1] 75,485							[2] 71,520					
California:													
Receipts, domestic, rough bags (100 lb.)	299,875	406,543	385,943	219,032	56,399	1,363,897	901,952	860,461	863,324	758,817	791,866	594,339	583,169
Shipments from mills, milled rice do.	242,090	283,065	239,752	299,916	52,842	491,946	704,105	703,634	601,980	556,844	393,260	478,230	495,971
Stocks, rough and cleaned (in terms of cleaned), end of month bags (100 lb.)	171,381	262,672	280,446	144,392	123,691	523,274	452,766	327,526	327,349	283,938	410,004	328,858	233,296
Southern States (La., Tex., Ark., Tenn.):													
Receipts, rough, at mills thous. of bbl. (162 lb.)	107	25	7	495	2,493	4,713	2,564	1,377	680	426	210	134	83
Shipments from mills, milled rice thous. of pockets (100 lb.)	246	253	439	184	1,085	2,323	2,684	1,868	1,814	1,449	1,114	702	515
Stocks, domestic, rough and cleaned (in terms of cleaned), end of mo. thous. of pockets (100 lb.)	476	591	171	485	1,987	4,624	4,708	4,365	3,396	2,441	1,588	1,048	615
Rye:													
Price, wholesale, No. 2 (Minneapolis) dol. per bu.	3.03	2.85	2.09	1.95	2.24	2.39	2.68	2.79	2.86	3.11	3.54	3.11	3.19
Production (crop estimate)† thous. of bu.	[1] 25,219							[2] 18,685					
Receipts, principal markets do.	102	72	193	1,016	1,123	799	692	596	469	322	354	238	138
Stocks, commercial, domestic, end of month do.	1,024	322	262	908	1,126	1,612	2,143	2,476	2,465	2,336	2,139	1,878	1,358
Wheat:													
Disappearance, domestic† do.		232,068			305,543			307,603			333,064		
Exports, wheat, including flour♂ do.		33,283	25,542	23,552	19,835	10,793	23,369	30,920	27,349	32,304	38,660	31,495	28,060
Wheat only♂ do.		23,869	17,109	15,977	10,501	6,100	11,563	14,995	11,141	12,712	17,542	13,250	9,111
Prices, wholesale:													
No. 1, Dark Northern Spring (Minneapolis) dol. per bu.	2.72	1.90	2.22	2.06	2.10	2.20	2.33	2.27	2.25	2.31	2.71	2.64	r 2.68
No. 2, Red Winter (St. Louis) do.	2.59	1.94	2.11	2.03	2.08	2.14	2.25	2.32	2.33	2.40	2.81	2.74	2.71
No. 2, Hard Winter (K.C.) do.	2.37	1.86	1.98	1.94	1.96	2.04	2.10	2.07	2.09	2.26	2.69	2.68	2.69
Weighted av., 6 mkts., all grades do.	2.56	1.90	2.03	1.99	2.05	2.14	2.23	2.17	2.18	2.28	2.67	2.62	2.64
Production (crop estimate), total† thous. of bu.	[1] 1,435,551							[2] 1,155,715					
Spring wheat do.	[1] 343,429							[2] 281,822					
Winter wheat do.	[1] 1,092,112							[2] 873,893					
Receipts, principal markets do.	[1] 26,156	41,005	76,432	53,853	56,113	54,929	36,581	33,868	38,254	38,716	35,030	37,807	26,345
Stocks, end of month:													
Canada (Canadian wheat) do.	70,405	46,791	39,487	50,903	109,723	141,047	152,631	148,849	131,889	119,006	109,849	93,964	80,514
United States, domestic, total¶ † do.	[3] 83,444	[3] 100,088			950,286			642,685			r 308,563		
Commercial do.	[3] 8,129	[3] 29,917	90,253	98,963	103,595	98,392	85,512	56,256	48,432	44,745	32,838	24,440	15,803
Country mills and elevators† do.	[3] 9,797	r [3] 8,376			177,329			118,991			r 61,010		
Merchant mills do.	[3] 24,591	[3] 12,838			114,463			96,779			r 71,957		
On farms† do.	[3] 40,427	[3] 41,606			552,715			366,255			139,855		
Wheat flour:													
Exports♂ do.		2,003	1,794	1,612	1,986	998	2,512	3,388	3,449	4,169	4,493	3,882	4,032
Grindings of wheat‡ do.		37,556	47,500	51,442	54,210	60,069	57,690	60,647	64,575	57,162	63,301	56,818	55,744
Prices, wholesale:													
Standard patents (Minneapolis)§ dol. per bbl.	12.60	6.55	9.53	8.76	9.25	9.55	10.95	11.61	11.52	11.62	13.66	13.17	12.74
Winter, straights (Kansas City)§ do.	11.03	6.49	9.58	8.72	9.19	9.38	10.38	10.90	11.10	11.42	12.99	12.97	12.39
Production (Census):‡													
Flour thous. of bbl.		8,943	11,259	12,173	12,078	13,298	12,749	13,368	14,238	12,609	13,991	12,604	12,445
Operations, percent of capacity		60.2	72.8	75.8	84.5	82.7	89.1	89.5	92.3	93.2	91.4	82.3	81.1
Offal thous. of lb.		505,660	641,300	712,000	902,900	1,022,700	986,350	1,043,688	1,112,708	982,960	1,091,260	967,092	930,000
Stocks held by mills, end of month thous. of bbl.		906			2,205			3,216			2,842		
LIVESTOCK													
Livestock slaughter (Federally inspected):													
Calves thous. of aminals	621	294	542	534	364	651	656	591	591	521	644	678	627
Cattle do.	1,207	451	1,239	1,240	360	1,103	1,348	1,352	1,403	1,143	1,228	1,203	1,264
Hogs do.	3,653	2,316	3,863	2,843	438	3,114	5,434	5,135	5,844	3,897	3,406	3,616	3,831
Sheep and lambs do.	1,329	1,678	1,738	1,578	1,300	2,005	1,529	1,346	1,542	1,271	1,237	1,322	1,355

r Revised. a No quotation. [1] July 1 estimate. [2] Dec. 1 estimate.

[3] 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.

‡ Data relate to regular flour only; in addition data for granular flour, collected for January 1943 to February 1946, are given in notes in the May 1946 and previous issues of the Survey.

§ Prices since May 1943 have been quoted for sacks of 100 pounds and have been converted to price per barrel to have figures comparable with earlier data. For March–August 1946 quotations are for flour of 80 percent extraction; beginning September 1946, quotations were resumed for flour of normal extraction (72 percent).

¶ 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.

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

FOODSTUFFS AND TOBACCO—Continued

LIVESTOCK—Continued													
Cattle and calves:													
Receipts, principal markets.......thous. of animals..	2,384	1,730	3,121	2,565	1,923	3,664	2,875	2,447	2,404	1,950	2,290	2,183	2,154
Shipments, feeder, to 8 corn belt States†........do....	120	141	176	323	388	730	445	233	154	98	161	131	100
Prices, wholesale:													
Beef steers (Chicago)...............dol. per 100 lb..	25.87	17.30	21.36	21.71	17.99	23.57	23.64	23.19	22.16	21.94	23.30	22.93	24.06
Steers, stocker and feeder (K. C.)............do....	21.11	15.72	15.53	15.51	15.99	16.42	16.30	17.63	17.68	18.96	20.13	19.91	21.33
Calves, vealers (Chicago)....................do....	24.00	15.88	17.10	16.44	16.15	18.19	18.38	18.20	22.13	22.88	22.90	20.38	23.63
Hogs:													
Receipts, principal markets........thous. of animals..	2,329	1,355	3,070	1,832	293	2,268	3,244	2,993	3,469	2,304	2,017	2,245	2,270
Prices:													
Wholesale, average, all grades (Chicago) dol. per 100 lb..	22.06	14.77	17.94	20.84	16.25	22.82	24.07	22.87	22.45	25.70	27.10	23.49	22.24
Hog-corn ratio†..bu. of corn per 100 lb. of live hogs..	12.6	10.1	8.6	11.6	9.1	13.5	18.0	18.6	18.0	19.4	17.6	14.9	14.4
Sheep and lambs:													
Receipts, principal markets.......thous. of animals..	1,982	2,521	2,286	2,187	2,542	3,660	1,966	1,495	1,669	1,406	1,293	1,506	1,713
Shipments, feeder, to 8 corn belt States†........do....	134	76	98	338	865	941	304	121	171	198	133	136	128
Prices, wholesale:													
Lambs, average (Chicago)..........dol. per 100 lb..	24.25	16.75	20.38	20.50	19.00	23.00	22.25	23.25	23.25	23.12	23.12	21.25	21.62
Lambs, feeder, good and choice (Omaha).....do....	(1)	(1)	(1)	16.53	17.26	17.90	17.77	18.00	19.45	20.18	21.22	19.56	(1)
MEATS													
Total meats (including lard):													
Exports§..................................mil. of lb..	---------	189	220	118	61	13	32	40	42	58	56	57	91
Production (inspected slaughter).................do....	1,490	797	1,581	1,286	351	1,245	1,742	1,724	1,954	1,434	1,393	1,438	1,525
Stocks, cold storage, end of month⊗♂.........do....	774	496	488	389	258	297	442	623	854	854	857	843	r 797
Edible offal⊗................................do....	66	31	39	40	22	26	39	56	68	68	71	67	r 67
Miscellaneous meats and meat products⊗....do....	54	30	28	27	19	21	26	36	54	57	64	67	r 63
Beef and veal:													
Exports§..............................thous. of lb..	---------	39,738	29,912	20,926	19,691	2,535	532	828	3,475	8,377	7,024	17,401	42,376
Price, wholesale, beef, fresh, native steers (Chicago) dol. per lb..	.408	.203	.319	.382	.235	.380	.409	.415	.384	.362	.371	.370	.376
Production (inspected slaughter)........thous. of lb..	670,038	275,752	674,964	664,848	210,423	590,798	689,827	705,974	757,702	631,697	681,465	679,933	705,739
Stocks, cold storage, end of month⊗♂..........do....	118,622	67,850	68,444	101,825	79,051	64,521	111,091	169,271	192,660	195,820	201,209	175,724	r 144,538
Lamb and mutton:													
Production (inspected slaughter).................do....	54,823	65,149	68,844	65,053	54,268	84,170	64,591	58,723	68,215	57,380	57,648	60,737	60,183
Stocks, cold storage, end of month⊗♂..........do....	8,886	10,378	9,108	13,135	8,844	10,602	15,696	16,893	17,114	16,554	14,110	10,808	r 9,563
Pork, including lard, production (inspected slaughter) thous. of lb..	756,848	456,591	837,553	555,686	85,991	570,068	987,245	959,053	1,128,378	745,090	653,686	697,129	758,646
Pork, excluding lard:													
Exports§...do....	---------	47,624	49,412	42,219	12,737	1,076	1,305	6,635	5,040	3,768	6,587	7,173	15,010
Prices, wholesale:													
Hams, smoked (Chicago)..............dol. per lb..	[2] .572	.265	.410	.503	.265	.265	.554	[2] .522	[2] .509	[2] .529	[2] .614	[2] .546	[2] .554
Fresh loins, 8-10 lb. average (New York).....do....	.529	.266	.419	.514	.333	.476	.512	.404	.427	.509	.505	.508	.531
Production (inspected slaughter)........thous. of lb..	556,305	360,342	667,522	425,735	71,181	462,454	757,765	728,500	827,411	555,330	484,593	521,406	561,155
Stocks, cold storage, end of month⊗♂.........do....	355,489	322,433	299,755	168,861	99,859	142,912	209,946	276,232	399,473	399,317	397,794	394,421	r 364,531
Lard:													
Exports§...do....	---------	57,689	52,555	27,665	11,679	8,268	16,647	20,521	25,074	38,760	37,884	28,041	28,728
Price, wholesale, refined (Chicago).......dol. per lb..	.195	.148	(1)	.350	.190	.190	.392	(1)	.260	.298	.338	.300	.198
Production (inspected slaughter)........thous. of lb..	146,690	69,837	123,348	94,780	10,665	77,888	167,381	168,326	220,245	138,683	123,637	128,445	144,207
Stocks, cold storage, end of month♂............do....	171,540	34,910	43,590	37,969	30,021	31,513	40,623	68,756	122,988	117,557	109,254	127,680	r 148,663
POULTRY AND EGGS													
Poultry:													
Price, wholesale, live fowls (Chicago).....dol. per lb..	.244	.269	.283	.265	.307	.298	.242	.266	.242	.266	.299	.292	.275
Receipts, 5 markets......................thous. of lb..	34,800	32,865	38,138	43,162	61,131	89,972	72,952	65,114	27,631	23,641	27,199	26,255	33,063
Stocks, cold storage, end of month♂............do....	171,679	173,905	178,842	207,137	184,841	261,006	301,030	316,577	316,792	283,825	242,485	208,256	r 187,717
Eggs:													
Dried, production*...................................do....	---------	16,553	13,864	11,151	4,735	2,900	2,585	3,946	11,744	12,749	11,031	9,067	14,464
Price, wholesale, U. S. standards (Chicago)●.dol. per doz..	.414	.332	.340	.346	.406	.420	.406	.388	.388	.378	.418	.425	.409
Production†......................................millions..	5,202	5,085	4,284	3,679	3,295	3,190	3,110	3,765	4,568	4,813	6,171	6,328	6,146
Stocks, cold storage, end of month:♂													
Shell...................................thous. of cases..	4,178	9,871	9,537	7,960	5,738	3,585	1,717	767	287	221	508	1,742	r 3,452
Frozen...................................thous. of lb..	236,292	265,050	260,101	236,256	207,244	168,591	132,664	102,437	80,800	73,564	98,718	153,876	r 202,245
MISCELLANEOUS FOOD PRODUCTS													
Candy, sales by manufacturers............thous. of dol..	43,684	30,467	24,678	34,056	39,505	54,122	56,287	56,850	56,850	53,439	58,249	55,919	52,005
Cocoa, imports§..............................long tons..	---------	14,048	19,433	14,409	9,405	13,942	12,237	25,027	r 46,248	20,390	15,382	38,078	18,859
Coffee:													
Clearances from Brazil, total..........thous. of bags..	1,057	1,312	1,635	1,573	814	1,448	1,416	1,178	1,524	1,109	1,341	1,184	756
To United States.................................do....	545	837	1,163	970	484	902	946	729	1,081	721	818	677	225
Imports§...do....	---------	2,298	1,480	1,947	1,401	1,237	1,612	1,716	2,103	1,804	1,663	r 2,044	973
Price, wholesale, Santos, No. 4 (N. Y.)..dol. per lb..	.253	.134	.206	.221	.221	.241	.263	.264	.269	.272	.277	.258	.237
Visible supply, United States.....................do....	1,132	2,319	2,122	2,182	2,142	1,931	2,080	1,584	1,385	1,467	1,335	1,357	1,222
Fish:													
Landings, fresh fish, 4 ports..............thous. of lb..	---------	68,023	66,854	46,776	53,727	53,786	35,025	24,645	15,365	17,003	29,103	30,725	---------
Stocks, cold storage, end of month...............do....	90,600	97,806	126,837	152,403	147,085	149,549	158,486	152,803	127,381	97,939	78,242	70,202	79,733
Sugar:													
Cuban stocks, raw, end of month¶ thous. of Span. tons..	3,642	r 2,226	2,059	1,700	1,310	712	553	342	373	1,019	2,109	3,292	3,887

r Revised. 1 No quotation. 2 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; data for October 1941–February 1945 will be published later.

♂Cold storage stocks of dairy products (p. S-26) 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 beginning in the May 1943 Survey are from the U. S. Department of Labor. Quotations beginning 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 shown on p. 20 of the March 1945 Survey.

†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. The series for feeder shipments of cattle and calves and sheep and lambs were revised beginning 1941 to include data for Illinois; revisions for 1941–42 are shown on p. S-27 of the August 1943 Survey. Data for egg production have been revised for 1940–45; revisions are shown on p. 24 of the June 1947 Survey.

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1947	1946							1947				
	June	June	July	August	September	October	November	December	January	February	March	April	May
FOODSTUFFS AND TOBACCO—Continued													
MISCELLANEOUS FOOD PRODUCTS—Con.													
Sugar—Continued													
United States:													
Deliveries and supply (raw value):*													
Deliveries, total ... short tons	983,474	598,604	590,347	608,883	533,875	396,831	482,194	456,566	498,073	330,256	r 624,282	509,612	r 522,621
For domestic consumption ... do	975,552	526,605	557,235	561,695	521,428	392,018	475,921	418,790	482,722	299,237	r 598,188	497,223	r 484,691
For export ... do	7,922	71,999	33,112	47,188	12,447	4,813	6,273	37,776	15,351	31,119	r 26,094	12,389	r 37,930
Production, domestic, and receipts:													
Entries from off-shore areas ... do	544,243	478,311	460,172	402,299	297,275	233,063	223,781	257,017	243,687	335,229	568,794	605,349	655,186
Production, domestic cane and beet ... do		9,613	13,173	49,780	94,691	483,532	642,633	437,471	106,885	49,365	22,114	14,634	16,512
Stocks, raw and refined, end of month ... do		955,031	824,641	671,491	519,727	832,071	1,209,820	1,441,531	1,317,262	1,384,012	1,316,068	1,426,199	1,598,070
Exports, refined sugar§ ... do		61,897	47,191	33,844	22,546	3,280	6,734	24,968	22,095	15,221	34,877	10,956	29,826
Imports:§													
Raw sugar, total ... do		189,418	267,460	157,171	126,958	97,960	180,167	210,784	219,672	275,488	313,067	391,051	300,783
From Cuba ... do		179,666	267,460	145,072	116,529	92,812	180,167	210,784	219,669	275,487	313,067	391,049	300,782
Refined sugar, total ... do		15,001	47,349	49,932	30,294	35,099	23,647	16,160	15,913	19,416	46,621	52,956	45,964
From Cuba ... do		15,001	47,349	49,932	30,294	35,098	23,647	16,160	15,559	19,416	46,618	52,956	45,964
Receipts from Hawaii and Puerto Rico:													
Raw ... do		160,827	179,922	209,662	128,747	76,424	2,500	42,816	15,694	40,692	107,892	136,667	182,956
Refined ... do		30,150	4,750	1,709	4,774	1	5,004	2,751	3	3,802	25,761	17,444	23,795
Price, refined, granulated, New York:													
Retail [1] ... dol. per lb	.096	.074	.074	.075	.076	(2)	.092	.095	.095	.096	.096	.096	.095
Wholesale ... do	.081	.059	.060	.060	.067	.074	.076	.078	.079	.080	.080	.081	.081
Tea, imports§ ... thous. of lb		1,540	1,336	6,350	9,968	3,846	16,286	11,486	12,891	4,105	11,498	4,963	2,508
TOBACCO													
Leaf:													
Exports, incl. scrap and stems§ ... thous. of lb		60,740	36,970	39,595	50,322	54,383	94,129	60,861	55,059	54,612	49,018	33,867	23,102
Imports, incl. scrap and stems§ ... do		4,861	5,381	5,608	6,031	6,883	6,551	4,817	30,930	4,912	5,632	5,192	4,848
Production (crop estimate) ... mil. of lb	[3] 2,101							r [4] 2,312					
Stocks, dealers and manufacturers, total, end of quarter ... do		2,853			2,998			3,282			3,552		
Domestic:													
Cigar leaf ... do		366			327			303			372		
Fire-cured and dark air-cured ... do		196			165			159			253		
Flue-cured and light air-cured ... do		2,168			2,389			2,683			2,773		
Miscellaneous domestic ... do		3			3			3			4		
Foreign grown:													
Cigar leaf ... do		26			26			36			37		
Cigarette tobacco ... do		95			87			97			113		
Manufactured products:													
Consumption (withdrawals:)													
Cigarettes:													
Tax-free* ... millions		2,445	2,487	2,665	1,944	2,561	3,165	2,959	3,519	2,713	3,243	2,805	2,966
Tax-paid ... do	29,097	26,360	25,440	28,953	26,865	32,778	27,696	22,695	28,451	26,338	26,336	27,493	25,068
Cigars, tax-paid ... thousands	432,527	452,180	439,396	500,572	457,703	588,067	546,949	465,769	510,264	446,042	426,785	416,270	473,968
Manufactured tobacco and snuff, tax-paid ... thous. of lb	18,791	21,084	20,949	22,733	21,671	25,631	22,728	17,636	20,124	17,389	18,743	19,716	16,111
Exports, cigarettes § ... millions		2,427	1,832	1,967	1,125	1,139	1,523	2,714	1,438	2,480	2,473	1,667	1,094
Price, wholesale (list price, composite):													
Cigarettes, f. o. b., destination ... dol. per 1,000	6.509	6.255	6.255	6.255	6.255	6.424	6.509	6.509	6.509	6.509	6,509	6.509	6.509
Production, manufactured tobacco, total ... thous. of lb		21,092	21,078	22,868	21,672	25,674	23,236	18,361	20,107	17,712	19,212	19,885	
Fine-cut chewing ... do		302	326	374	311	348	315	296	311	272	248	337	
Plug ... do		4,280	4,657	4,631	4,361	4,821	4,096	3,500	4,380	3,762	3,592	3,762	
Scrap, chewing ... do		3,635	3,968	4,437	3,860	4,627	3,794	3,425	3,680	3,327	3,429	3,302	
Smoking ... do		9,395	8,909	9,486	9,618	11,676	11,266	7,410	7,789	6,961	8,310	8,799	
Snuff ... do		3,022	2,721	3,429	3,061	3,640	3,303	3,332	3,447	2,948	3,200	3,246	
Twist ... do		458	497	511	461	561	462	398	499	442	434	438	
LEATHER AND PRODUCTS													
HIDES AND SKINS													
Livestock slaughter (see p. S-27).													
Imports, total hides and skins § ... thous. of lb		13,667	19,775	15,384	16,788	19,238	30,921	25,229	18,198	13,589	10,771	10,830	14,017
Calf and kip skins ... thous. of pieces		11	35	20	48	124	59	126	59	31	41	22	35
Cattle hides ... do		41	83	105	150	140	306	206	118	122	31	29	51
Goatskins ... do		1,271	2,496	2,640	1,864	2,273	4,454	3,239	2,683	2,113	2,715	3,299	3,039
Sheep and lamb skins ... do		3,268	5,124	3,171	3,738	2,419	2,540	2,157	1,833	1,369	1,052	r 1,318	2,013
Prices, wholesale (Chicago):													
Hides, packers', heavy, native steers ... dol. per lb	.231	.155	.239	.155	.155	.155	.289	.276	.238	.231	.228	.220	.223
Calfskins, packers', 8 to 15 lb ... do	.638	.218	.268	.218	.218	.218	.435	.414	.396	.475	.625	.514	.534
LEATHER													
Exports: §													
Sole leather:													
Bends, backs and sides ... thous. of lb		655	307	364	640	51	146	71	626	189	358	471	148
Offal, including belting offal ... do		488	186	25	17	20	5	90	153	225	95	40	59
Upper leather ... square feet		3,280	2,264	2,011	834	1,107	1,899	2,512	3,099	4,359	3,906	3,907	3,761
Production:													
Calf and kip ... thous. of skins		801	755	844	832	959	981	1,011	r 1,104	r 1,088	r 1,066	r 1,130	1,011
Cattle hide ... thous. of hides		2,098	2,073	2,174	1,909	2,052	2,150	2,184	2,426	2,464	2,512	r 2,559	2,472
Goat and kid ... thous. of skins		1,537	1,656	1,761	1,739	2,598	2,304	2,412	2,506	2,849	2,954	3,038	3,046
Sheep and lamb ... do		3,584	3,529	3,951	3,702	4,558	4,088	3,667	3,388	3,341	2,943	r 2,882	2,675

[1] Data beginning January 1946 reflect a change in the sample and in the method of summarizing reports; January 1946 figure comparable with earlier data is $0.064.
[2] No quotation. [3] July 1 estimate. [4] December 1 estimate. r Revised.
§ Data continue series published in the 1942 Supplement but suspended during the war period (it should be noted that data for sugar are shown in long tons in that volume); data for October 1941–February 1945 will be published later.
* New series. The new sugar series include raw and refined sugar in terms of raw (see also note in the April 1945 Survey). The new series for tax-free withdrawals of cigarettes is from the Treasury Department, Bureau of Internal Revenue, and includes withdrawals of small cigarettes for export and for consumption outside the United States; tax-free withdrawals were comparatively small prior to the war period. Monthly data beginning July 1943 are shown on p. S-29 of the March 1947 Survey.

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

LEATHER AND PRODUCTS—Continued

	1947 June	1946 June	July	August	September	October	November	December	1947 January	February	March	April	May
LEATHER—Continued													
Prices, wholesale:													
Sole, oak, bends (Boston)† .... dol. per lb..	(1)	.462	.675	.470	.470	.470	.880	.770	(1)	(1)	(1)	(1)	(1)
Chrome, calf, B grade, black, composite dol. per sq. ft..	1.069	.536	.570	.558	.565	.565	.869	.902	.950	.958	1.017	1.015	1.007
Stocks of cattle hides and leather, end of month:‡													
LEATHER MANUFACTURES													
Boots, shoes, and slippers:													
Exports§ .... thous. of pairs..	....	1,701	776	1,159	342	289	459	691	464	494	537	r 631	r 535
Prices, wholesale, factory:♂													
Men's black calf oxford, corded tip...dol. per pair..	6.00	4.80	4.80	5.37	5.37	5.37	6.50	6.50	6.25	6.00	6.00	6.00	6.00
Women's plain black kid blucher† .... do....	4.90	3.92	4.07	4.18	4.26	4.26	4.26	4.90	4.90	4.90	4.90	4.90	4.90
Production, total¶ .... thous. of pairs..	....	44,957	37,021	46,236	41,651	47,469	40,752	39,068	41,051	38,255	40,429	r 39,525	36,491
Government shoes .... do....	....	315	139	172	140	171	196	198	(2)	(2)	(2)	(2)	(2)
Civilian shoes, total .... do....	....	44,642	36,882	46,064	41,511	47,297	40,556	38,870	41,051	38,255	40,429	r 39,525	36,491
Athletic .... do....	....	627	536	486	330	394	395	397	354	315	352	375	359
Dress and work shoes, incl. sandals and playshoes:													
Leather uppers, total .... thous. of pairs..	....	32,815	26,504	32,117	30,022	34,194	30,011	31,884	34,957	33,295	35,690	r 34,879	32,178
Boys' and youths' .... do....	....	1,752	1,502	1,720	1,607	1,743	1,588	1,761	1,676	1,518	1,505	r 1,449	1,367
Infants' .... do....	....	2,960	2,456	2,838	2,575	2,962	2,555	2,632	2,969	2,720	2,875	2,708	2,376
Misses' and children's .... do....	....	4,379	3,346	4,119	3,727	4,183	3,831	4,034	4,636	4,442	4,810	4,690	4,287
Men's .... do....	....	8,703	7,662	8,692	7,901	8,874	8,153	8,947	9,170	8,536	9,067	r 9,191	9,042
Women's .... do....	....	15,021	11,538	14,748	14,212	16,432	13,884	14,510	16,506	16,079	17,433	r 16,841	15,106
Part leather and nonleather uppers .... do....	....	5,304	4,693	6,679	5,279	5,173	4,304	3.461	3,092	2,336	2,077	r 1,751	1,554
Slippers and moccasins for housewear .... do....	....	5,708	4,980	6,563	5,681	7,234	5,606	2,915	2,475	2,176	2,146	r 2,364	2,251
All other footwear .... do....	....	188	169	219	199	302	240	213	173	133	164	158	149
Gloves and mittens, production, total* thous. doz. pairs..	....	2,274	2,024	2,255	2,103	2,549	2,282	2,103	2,251	2.086	2,261	r 2,462	2,290
Dress and semi-dress, total .... do....	....	765	652	806	737	882	757	628	576	540	588	r 581	517
Leather .... do....	....	166	141	175	153	167	145	102	97	87	87	86	88
Leather and fabric combination .... do....	....	28	18	25	18	20	15	9	9	8	8	3	3
Fabric .... do....	....	571	493	606	566	695	597	516	470	445	493	r 491	425
Work, total .... do....	....	1,509	1,372	1,449	1,366	1,667	1,525	1,476	1,675	1,546	1,674	1,882	1,773
Leather .... do....	....	156	116	125	119	143	112	98	95	r 93	95	95	95
Leather and fabric combination .... do....	....	192	159	186	175	197	164	178	195	192	205	230	219
Fabric .... do....	....	1,161	1,097	1,138	1,072	1,327	1,249	1,200	1,385	1,261	1,374	1,557	1,459

LUMBER AND MANUFACTURES

	1947 June	1946 June	July	August	September	October	November	December	1947 January	February	March	April	May
LUMBER—ALL TYPES													
Exports, total saw mill products§ .... M bd. ft..	....	56,871	43,784	54,365	44,725	23,802	38,251	81,976	79,720	76,403	114,345	88,468	163,225
Sawed timber§ .... do....	....	10,290	13,876	12,633	15,331	4,329	7,183	28,614	20,537	22,656	27,255	16,610	34,248
Boards, planks, scantlings, etc.§ .... do....	....	44,968	27,825	35,001	26,823	17,485	30,103	45,149	54,377	52,062	75,572	63,109	101,025
Imports, total sawmill products§ .... do....	....	76,930	109,970	123,411	111,685	131,669	117,696	123,816	109,414	111,718	133,390	93,070	67,619
National Lumber Manufacturers Association:†													
Production, total .... mil. bd. ft..	....	2,749	2,753	2,934	2,742	2,946	2,533	2,303	2,214	2,403	2,578	2,732	r 2,938
Hardwoods .... do....	....	656	694	774	794	829	698	604	583	612	623	632	632
Softwoods .... do....	....	2,093	2,059	2,160	1,948	2,117	1,835	1,699	1,631	1,791	1,955	2,100	r 2,306
Shipments, total .... do....	....	2,605	2,594	2,710	2,500	2,727	2,418	2,326	2,414	2,378	2,389	2,560	r 2,704
Hardwoods .... do....	....	614	590	630	583	698	570	542	590	598	507	530	588
Softwoods .... do....	....	1,964	1,968	2,026	1,862	1,953	1,785	1,723	1,824	1,780	1,882	2,030	r 2,116
Stocks, gross, end of month, total .... do....	....	3,753	3,854	4,068	4,282	4,540	4,652	4,645	4,323	4,346	4,456	4,537	4,761
Hardwoods .... do....	....	959	1,013	1,125	1,260	1,369	1,453	1,474	1,421	1,420	1,427	1,470	1,463
Softwoods .... do....	....	2,794	2,841	2,943	3,022	3,171	3,199	3,171	2,902	2,926	3,029	3,067	3,298
FLOORING													
Maple, beech, and birch:													
Orders, new .... M bd. ft..	....	2,750	2,300	3,560	2,550	3,750	3,250	4,350	3,850	5,200	5,825	5,825	5,375
Orders, unfilled, end of month .... do....	....	6,250	5,750	6,150	5,425	5,700	5,250	6,100	5,550	7,450	8,375	9,500	10,175
Production .... do....	....	2,550	2,375	3,100	2,925	3,400	3,475	3,950	3,900	3,875	4,050	4,675	4,850
Shipments .... do....	....	2,700	2,375	3,125	3,375	3,425	3,625	3,700	4,375	3,625	4,400	4,725	4,800
Stocks, end of month .... do....	....	2,425	2,375	2,475	2,425	2,200	1,975	1,950	1,650	1,850	1,625	1,500	1,500
Oak:													
Orders, new .... do....	....	15,426	20,247	18,931	22,851	29,212	29,245	29,194	41,521	33,893	42,075	41,284	46,120
Orders, unfilled, end of month .... do....	....	31,158	31,657	30,055	r 47,861	42,190	41,800	41,249	41,523	40,157	39,970	38,418	43,122
Production .... do....	....	17,239	20,838	22,860	27,527	35,922	34,079	33,955	40,253	37,976	42,944	47,361	48,709
Shipments .... do....	....	17,639	19,747	24,734	27,331	34,882	33,065	31,248	41,247	37,733	42,260	46,140	47,839
Stocks, end of month .... do....	....	5,162	6,081	4,209	r 4,404	4,738	5,752	7,431	5,730	5,978	6,032	7,016	7,886
SOFTWOODS													
Douglas fir:													
Exports, total sawmill products§ .... M bd. ft..	....	30,020	22,271	18,710	20,478	6,233	2,138	37,421	44,931	36,872	65,073	38,948	82,594
Sawed timber§ .... do....	....	5,845	9,256	6,011	10,041	2,632	654	20,629	15,305	12,695	21,356	9,364	28,014
Boards, planks, scantlings, etc.§ .... do....	....	22,682	13,015	13,112	10,453	3,601	1,484	16,792	29,626	24,177	43,717	29,584	54,580
Prices, wholesale:													
Dimension, No. 1, common, 2″ x 4″ x 16′ dol. per M bd. ft..	62.230	41.528	42.630	42.630	42.630	42.630	43.855	47.824	51.940	58.800	60.270	62.230	62.230
Flooring, B and better, F. G., 1″ x 4″, R. L. ..do....	94.080	58.310	59.780	59.780	59.780	59.780	59.780	63.308	72.520	85.505	91.630	94.080	94.080
Southern pine:													
Exports, total sawmill products§ .... M bd. ft..	....	10,861	9,565	16,384	11,716	5,317	21,360	15,885	11,842	20,159	19,041	17,511	25,081
Sawed timber§ .... do....	....	2,035	2,703	5,260	4,080	1,034	4,955	4,880	2,007	8,214	4,441	4,341	3,623
Boards, planks, scantlings, etc.§ .... do....	....	8,826	6,862	11,124	7,636	4,283	16,405	11,005	9,835	11,945	14,600	13,170	21,458

‡Publication of data discontinued by the compiling agency.
r Revised. (1) No quotation. (2) Data not collected separately; included with data for civilian shoes.
§Data continue series published in the 1942 Supplement but suspended during the war period; data for October 1941–February 1945 will be published later.
♂These data continue series published in the July 1944 and earlier issues of the Survey which provide data through May 1944; the series for women's shoes was substituted in the June 1943 Survey for the series for colored elk blucher formerly shown. Data for June 1944 to May 1946 are as follows: Men's black calf oxford—June 1944–December 1945, $4.60; January 1946, $4.76; February–May 1946, $4.80; Women's black kid—June 1944–October 1945, $3.50; November 1945, $3.69; December 1945, $3.75; January–March 1946, $3.75; April and May 1946, $3.92.
¶See note for boots and shoes at the bottom of p. S-23 of the July 1945 Survey regarding changes in several classifications and note marked "‡" on p. S-28 of that issue regarding other revisions; revisions for January–May 1943 and 1945 and January–April 1944, which have not been published, will be shown later.
*New series. The series for gloves and mittens were first included in the May 1946 Survey; see note in that issue.
†Revised series. The price for sole oak leather has been shown on a revised basis beginning in the October 1942 Survey; revisions beginning July 1933 are available on request. There have been unpublished revisions in the January 1944–April 1946 data for the lumber series and also earlier revisions which have been published only in part (see note in the April 1946 Survey); all revisions through April 1946 will be shown later; recent revisions resulted from adjustment of the monthly series to 1945 production data compiled by the Bureau of the Census. See note marked "♂" above regarding the price series for women's shoes.

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

LUMBER AND MANUFACTURES—Continued

SOFTWOODS—Continued													
Southern pine—Continued													
Orders, new† ... mil. bd. ft.		544	602	576	593	601	547	506	588	586	618	631	565
Orders, unfilled, end of month† ... do		701	679	633	651	642	633	574	565	551	553	544	449
Prices, wholesale, composite:													
Boards, No. 2 common, 1" x 6" or 8" x 12'† dol. per M bd. ft.	64.333	46.029	46.083	46.083	46.083	46.083	53.182	67.163	71.656	72.530	71.460	r 67.790	r 65.694
Flooring, B and better, F. G., 1" x 4" x 12-14'† dol. per M bd. ft.	130.683	65.091	65.091	65.091	65.091	65.091	74.723	96.546	106.782	109.979	120.104	r 130.683	r 130.683
Production† ... mil. bd. ft.		610	625	625	567	668	589	610	578	686	681	693	726
Shipments† ... do		589	624	622	575	610	556	565	597	600	616	640	660
Stocks, end of month† ... do		1,081	1,082	1,085	1,077	1,135	1,168	1,213	1,194	1,280	1,345	1,398	1,464
Western pine:													
Orders, new† ... do		558	583	634	605	580	489	436	461	385	530	540	449
Orders, unfilled, end of month† ... do		298	276	258	283	288	275	269	302	278	353	357	247
Price, wholesale, Ponderosa, boards, No. 3 common, 1" x 8" ... dol. per M bd. ft.	54.36	40.07	40.93	40.19	40.35	40.38	40.36	43.30	45.60	48.51	50.99	52.71	54.69
Production† ... mil. bd. ft.		666	671	737	r 632	625	491	394	329	346	420	534	653
Shipments† ... do		595	604	649	r 577	573	501	440	428	409	455	536	559
Stocks, end of month† ... do		835	901	987	1,041	1,092	1,083	1,038	939	876	841	839	933
West coast woods:													
Orders, new† ... do		477	492	514	448	536	445	451	582	618	723	529	r 544
Orders, unfilled, end of month ... do		559	545	554	538	576	544	514	523	577	685	646	595
Production† ... do		546	507	526	487	r 534	503	461	507	529	598	584	r 604
Shipments† ... do		532	493	496	468	r 493	484	489	576	548	569	586	r 607
Stocks, end of month ... do		378	378	403	420	462	475	448	377	379	410	374	397
SOFTWOOD PLYWOOD													
Production* ... thous. of sq. ft., ⅜" equivalent	139,623	121,412	99,747	126,974	129,270	149,606	129,635	121,816	140,058	129,622	139,779	148,027	r 142,070
Shipments* ... do	142,975	125,068	92,288	124,891	128,086	149,583	128,691	129,727	136,064	127,658	140,457	143,295	r 141,491
Stocks, end of month* ... do	31,481	24,391	34,189	33,842	35,560	34,959	34,984	26,882	30,712	31,995	32,146	35,591	r 35,618
FURNITURE													
All districts, plant operations ... percent of normal		62	59	68	68	72	73	70	74	73	78	78	
Grand Rapids district:													
Orders:													
Canceled ... percent of new orders		2	1	3	2	3	6	17					
New ... no. of days' production		40	53	47	35	53	27	28					
Unfilled, end of month ... do		147	137	141	137	141	130	120					
Plant operations ... percent of normal		69	62	71	70	72	75	77	78	75	82	82	
Shipments ... no. of days' production		37	33	39	40	42	38	36					

METALS AND MANUFACTURES

IRON AND STEEL													
Foreign trade:§													
Iron and steel products:													
Exports (domestic), total ... short tons		394,382	396,566	513,595	362,608	293,451	480,752	509,444	549,198	480,975	637,446	641,723	657,852
Scrap ... do		18,568	11,620	10,893	9,244	7,187	16,258	15,671	8,381	4,694	9,082	10,160	18,175
Imports, total ... do		64,969	131,022	119,664	124,453	110,767	143,378	102,686	137,556	129,994	162,150	r 239,154	137,604
Scrap ... do		3,409	103	763	1,896	207	1,159	1,018	1,690	1,511	3,058	3,478	2,184
Iron and Steel Scrap													
Consumption, total* ... thous. of short tons		4,214	4,476	4,670	4,449	4,907	4,579	4,239	4,900	4,503	5,136		
Home scrap* ... do		2,074	2,382	2,594	2,467	2,705	2,535	2,193	2,717	2,406	2,689		
Purchased scrap* ... do		2,140	2,094	2,076	1,982	2,202	2,044	2,046	2,183	2,097	2,447		
Stocks, consumers', end of month, total* ... do		4,110	3,660	3,324	3,258	3,163	2,992	3,034	2,886	3,032	3,366		
Home scrap* ... do		1,269	1,267	1,142	1,192	1,184	1,121	1,158	1,063	1,061	1,109		
Purchased scrap* ... do		2,841	2,393	2,182	2,066	1,979	1,870	1,876	1,823	1,971	2,257		
Ore													
Iron ore:													
All districts:*													
Production ... thous. of long tons		8,850	11,612	11,090	10,742	9,917	6,605	2,274	2,698	2,591	2,846	6,575	10,981
Shipments ... do		9,914	12,215	11,083	10,546	9,965	6,830	1,193	1,251	1,322	1,425	7,216	11,755
Stocks, end of month ... do		5,367	4,764	4,770	4,966	4,860	4,607	5,688	7,135	8,404	9,825	9,212	8,438
Lake Superior district:													
Consumption by furnaces ... do	6,500	4,995	6,460	6,738	6,380	6,625	6,131	5,516	7,024	6,264	6,979	6,579	6,885
Shipments from upper lake ports ... do	11,457	8,654	10,848	9,774	9,636	9,209	6,701	247	0	0	0	4,448	10,373
Stocks, end of month, total ... do	21,746	26,265	30,439	34,067	37,573	40,435	41,919	37,465	30,514	24,317	17,411	13,555	17,618
At furnaces ... do	19,594	23,247	27,131	30,450	33,464	35,762	37,063	33,056	26,744	20,938	14,755	11,738	15,541
On Lake Erie docks ... do	2,152	3,018	3,307	3,617	4,109	4,674	4,857	4,409	3,770	3,379	2,656	1,816	2,078
Imports§ ... do		173	340	371	402	386	329	237	223	198	233	263	439
Manganese ore, imports (manganese content)§ ... do		34	72	62	70	69	77	55	76	45	32	64	46
Pig Iron and Iron Manufactures													
Castings, gray iron:*													
Shipments, total ... short tons	1,038,356	757,268	840,004	973,232	937,401	1,077,838	987,069	909,195	1,077,820	1,009,970	1,089,828	1,097,150	1,097,307
For sale ... do	596,874	442,473	487,458	567,164	540,649	626,273	561,626	514,415	632,789	583,252	633,844	636,708	633,013
Unfilled orders for sale ... do	2,710,918	2,640,430	2,708,385	2,814,430	2,897,105	2,952,705	2,940,199	2,979,658	3,021,141	2,986,741	2,979,326	2,907,694	2,782,706
Castings, malleable iron:♂													
Orders, new, for sale ... do	31,972	39,388	34,157	41,935	44,369	50,140	36,802	28,542	34,517	55,938	50,194	41,994	28,996
Orders, unfilled, for sale ... do	248,798	275,845	271,981	272,571	277,309	280,972	278,446	267,661	259,764	274,018	280,724	275,415	262,117
Shipments, total ... do	78,524	61,650	64,446	67,903	69,507	79,207	68,987	68,314	75,898	74,716	76,614	81,890	75,478
For sale ... do	45,291	35,468	38,021	41,345	39,631	46,477	39,328	39,327	42,414	41,684	43,488	47,303	42,294

r 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–February 1945 will be published later.

* 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.

† Revised series. See notes marked "†" on p. S-31 of the February 1947 Survey and p. S-29 of the April 1946 issue regarding unpublished revisions in data prior to 1945 for the indicated series on lumber production, shipments, orders, and stocks; new orders, production and shipments have been further revised beginning 1945 to conform with Bureau of the Census production data for that year; all revisions through April 1946 will be published later. The Southern pine price series are shown on a revised basis beginning in the February 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	1947	1946							1947				
	June	June	July	August	September	October	November	December	January	February	March	April	May
METALS AND MANUFACTURES—Continued													
IRON AND STEEL—Continued													
Pig Iron and Iron Manufactures—Continued													
Pig iron:													
Consumption* .... thous. of short tons	--------	3,623	4,560	4,696	4,571	4,812	4,424	3,888	5,037	4,467	5,015	--------	--------
Prices, wholesale:													
Basic (furnace) .... dol. per long ton	33.00	28.00	28.00	28.00	28.00	28.00	28.00	29.60	30.00	30.00	33.00	33.00	33.00
Composite .... do	33.81	28.67	28.73	28.73	28.73	28.73	28.73	30.12	30.86	30.86	33.55	33.81	33.81
Foundry, No. 2, f. o. b. Neville Island* .... do	33.50	28.50	28.50	28.50	28.50	28.50	28.50	30.50	30.50	30.50	33.50	33.50	33.50
Production* .... thous. of short tons	4,810	3,682	4,705	4,898	4,687	4,815	4,435	3,992	5,087	4,550	5,123	4,830	5,081
Stocks (consumers and suppliers'), end of month* thous. of short tons	--------	821	810	771	830	881	687	668	674	735	777	--------	--------
Steel castings:†													
Shipments, total .... short tons	139,031	121,522	117,528	129,666	126,471	137,304	130,606	123,907	139,029	125,612	134,909	144,175	140,874
For sale, total .... do	103,888	89,533	82,975	94,063	90,567	98,265	93,878	88,136	101,140	92,822	99,701	106,127	103,779
Railway specialties .... do	31,879	25,529	22,405	24,712	25,910	25,619	27,425	22,108	28,699	28,212	27,125	29,185	28,850
Steel forgings:*													
Orders, unfilled, for sale, total .... do	638,535	635,004	661,277	666,360	670,523	736,482	726,733	707,060	723,158	713,909	717,428	698,615	662,579
Drop and upset .... do	522,096	512,272	532,401	537,815	543,831	603,833	595,359	579,778	591,558	581,337	586,992	570,130	544,058
Press and open hammer .... do	116,439	122,732	128,876	128,545	126,692	132,649	131,374	127,282	131,600	132,572	130,436	128,485	118,521
Shipments, total .... do	200,656	164,921	168,319	184,286	173,934	203,410	183,856	187,375	199,589	195,681	205,085	223,787	210,772
Drop and upset, total .... do	152,664	117,299	124,718	136,124	132,544	154,277	134,363	138,567	145,943	148,166	156,724	170,993	158,999
For sale .... do	82,100	59,705	59,941	73,338	72,136	82,796	73,124	75,360	79,061	78,560	83,743	90,076	85,729
Press and open hammer, total .... do	47,992	47,622	43,601	48,162	41,390	49,133	49,493	48,808	53,646	47,515	48,361	52,794	51,773
For sale .... do	29,948	33,457	26,640	35,086	29,851	35,901	34,988	34,986	37,013	32,444	31,713	31,399	30,014
Steel consumed in production of forgings .... do	290,018	226,864	230,238	259,158	247,234	289,518	254,026	259,953	294,594	286,656	296,377	324,949	301,358
Steel ingots and steel for castings:													
Production .... thous. of short tons	6,952	r 5,626	r 6,619	r 6,925	r 6,576	r 6,952	r 6,458	r 5,761	7,213	6,422	7,307	7,043	r 7,329
Percent of capacity§	93	74	85	89	87	89	85	74	93	92	94	94	95
Prices, wholesale:													
Composite, finished steel .... dol. per lb	.0329	.0303	.0305	.0305	.0305	.0305	.0305	.0312	.0329	.0329	.0329	.0329	.0329
Steel billets, rerolling (Pittsburgh) dol. per long ton	42.00	39.00	39.00	39.00	39.00	39.00	39.00	39.00	42.00	42.00	42.00	42.00	42.00
Structural steel (Pittsburgh) .... dol. per lb	.0250	.0235	.0235	.0235	.0235	.0235	.0235	.0235	.0250	.0250	.0250	.0250	.0250
Steel scrap (Chicago) .... dol. per long ton	30.88	18.75	18.75	18.75	18.75	18.75	23.13	27.25	29.75	31.63	36.69	33.05	29.25
Steel, Manufactured Products													
Barrels and drums, steel, heavy types:⊗													
Orders, unfilled, end of month .... thousands	13,612	9,763	9,960	10,318	12,202	13,071	13,612	15,014	15,501	15,867	14,976	14,542	14,370
Production .... do	2,244	1,786	2,031	2,393	2,039	2,354	2,198	2,091	2,327	2,064	2,291	2,455	2,303
Shipments .... do	2,242	1,782	2,019	2,405	2,036	2,351	2,213	2,093	2,317	2,066	2,292	2,455	2,306
Stocks, end of month .... do	23	28	40	28	30	33	19	17	27	25	25	25	21
Boilers, steel, new orders:‡													
Area .... thous. of sq. ft	1,925	1,797	2,000	1,424	1,646	1,973	1,453	1,452	1,421	1,340	r 1,421	1,377	1,428
Quantity .... number	1,346	1,895	1,480	1,588	1,682	1,890	1,441	1,462	1,393	1,265	1,348	1,337	1,212
Cans, metal (in terms of steel consumed):*													
Shipments (for sale and own use), total .... short tons	232,972	240,089	306,798	343,338	318,304	258,763	192,134	198,406	174,890	157,758	180,256	205,024	r 207,571
Food .... do	168,436	204,977	267,434	302,756	282,075	215,247	151,882	157,030	129,914	111,154	125,867	139,718	146,015
Nonfood .... do	64,536	35,112	39,364	40,582	36,229	43,516	40,252	41,376	44,976	46,604	54,389	65,306	r 61,556
Shipments for sale .... do	193,635	205,462	276,459	300,870	277,829	222,307	161,951	167,637	138,203	123,761	142,837	160,245	r 165,448
Commercial closures, production* .... millions	845	1,279	1,196	1,391	1,340	1,574	1,401	1,323	r 1,426	r 1,154	1,176	r 1,086	986
Crowns, production* .... thousand gross	24,266	20,422	22,900	25,439	25,159	28,901	25,196	24,307	27,603	24,136	26,265	27,219	25,058
Porcelain enameled products, shipments‡● thous. of dol	7,182	r 5,233	r 5,095	r 6,277	r 5,874	r 7,062	r 6,668	r 5,823	r 7,752	r 6,968	r 7,516	8,092	r 7,628
Spring washers, shipments .... do	--------	399	455	506	543	580	--------	--------	--------	--------	--------	--------	--------
Steel products, net shipments:⊙													
Total .... thous. of short tons	--------	3,688	4,259	4,965	4,590	5,261	5,020	4,533	5,063	4,626	5,304	5,446	5,442
Merchant bars .... do	--------	372	455	501	452	549	507	460	525	474	558	549	561
Pipe and tubes .... do	--------	334	427	501	446	498	482	418	467	428	502	518	535
Plates .... do	--------	284	399	421	397	467	466	386	468	445	527	555	579
Rails .... do	--------	133	180	217	199	226	210	174	227	191	181	206	204
Sheets .... do	--------	877	960	1,116	1,076	1,233	1,220	1,081	1,202	1,093	1,275	1,274	1,274
Strip—Cold rolled .... do	--------	108	92	124	115	133	132	123	126	116	132	141	142
Hot rolled .... do	--------	88	105	137	137	158	144	135	146	136	144	151	150
Structural shapes, heavy .... do	--------	274	313	351	347	387	356	310	362	334	390	r 392	382
Tin plate and terneplate .... do	--------	247	262	295	244	253	248	265	248	229	293	318	305
Wire and wire products .... do	--------	318	297	387	365	410	391	392	420	364	396	425	425
NONFERROUS METALS AND PRODUCTS													
Aluminum:													
Imports, bauxite¶ .... long tons	--------	65,356	77,110	88,606	95,038	29,811	93,752	113,445	108,795	166,616	157,437	129,133	189,615
Price, wholesale, scrap castings (N. Y.) dol. per lb	.0444	.0523	.0525	.0550	.0575	.0575	.0682	.0775	.0775	.0755	.0725	.0719	.0667
Aluminum fabricated products, shipments, total* mil. of lb	--------	r 121.0	r 136.1	r 151.2	r 148.7	r 181.8	r 163.1	r 156.9	r 174.4	r 157.7	r 155.3	r 152.6	143.2
Castings* .... do	--------	r 30.9	r 31.2	r 36.4	r 34.6	r 43.0	r 38.2	r 37.5	r 40.7	r 37.8	r 42.3	r 41.7	37.4
Wrought products, total* .... do	91.8	90.1	105.0	114.8	114.2	138.8	124.9	119.4	133.7	120.0	113.0	110.9	r 106.7
Plate, sheet, and strip* .... do	70.5	65.6	80.3	88.8	91.9	110.1	99.5	92.7	103.9	92.9	88.0	83.8	r 81.7
Brass sheets, wholesale price, mill .... dol. per lb	.300	.237	.237	.237	.237	.237	.259	.275	.275	.275	.289	.289	.293
Copper:													
Exports, refined and manufactures¶ .... short tons	--------	7,341	7,489	9,173	5,386	2,131	10,564	14,168	14,921	11,018	13,462	11,721	14,020
Imports, total¶ .... do	--------	20,510	35,755	21,272	25,182	32,503	33,182	45,431	25,138	26,114	26,291	23,204	41,659
For smelting, refining, and export¶ .... do	--------	5,058	5,486	2,950	2,656	1,225	6,809	9,298	12,340	8,784	6,944	7,989	3,233
For domestic consumption, total¶ .... do	--------	15,452	30,269	18,322	22,526	31,278	26,373	36,133	12,798	17,330	19,347	15,215	38,426
Unrefined, including scrap¶ .... do	--------	819	12,319	18,272	19,315	23,929	12,933	23,625	8,592	7,805	12,158	9,755	25,099
Refined¶ .... do	--------	14,633	17,950	50	3,211	7,349	13,440	12,508	4,206	9,525	7,189	5,460	13,327
Price, wholesale, electrolytic (N. Y.) .... dol. per lb	.2135	.1406	.1415	.1415	.1415	.1415	.1704	.1928	.1927	.1935	.2091	.2123	.2211

r Revised. ⊗ Beginning 1943, data have covered the entire industry.

‡ Based on information recently available it is believed that data beginning 1945 represent substantially the entire industry; in prewar years the coverage was about 90 percent.

● Data for 1946 and 1947 have been revised to exclude the value of finished plumbing ware; January–May 1946: Shipments—4,821; 4,355; 4,750; 5,876; 5,242.

⊙ 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.

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

New series. 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. See note marked "*" on p. S-33 of the February 1947 Survey for a brief description of the data on aluminum fabricated products and reference to 1945 figures for the total; separate data prior to 1946 for the detail will be published later. The series for closures, including plastic closures, crowns, and metal cans, are compiled by the Bureau of the Census and cover all producers; data prior to 1946 will be shown later. For a brief description of the series for steel forgings, which are also compiled by the Bureau of the Census, and available data for 1945, see note on p. S-32 of the March 1947 Survey.

†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	1947 June	1946 June	1946 July	1946 August	1946 September	1946 October	1946 November	1946 December	1947 January	1947 February	1947 March	1947 April	1947 May
METALS AND MANUFACTURES—Continued													
NONFERROUS METALS AND PRODUCTS—Con.													
Copper—Continued													
Production:♂													
Mine or smelter (incl. custom intake)..short tons..	[1] 81,854	32,785	56,906	64,462	69,748	72,807	73,024	78,674	78,256	74,474	84,356	[1] 88,927	[1] r 91,203
Refinery....do....	[1] 98,738	23,870	43,606	59,591	67,803	77,947	75,066	77,578	80,144	77,591	r 87,141	[1] r 104,430	[1] r 108,464
Deliveries, refined, domestic♂....do....	[1] 116,652	95,267	97,527	118,381	113,158	136,481	129,206	141,218	143,692	117,734	r 120,820	[1] r 115,379	r 118,048
Stocks, refined, end of month♂....do....	[1] 76,629	79,145	101,183	94,669	98,619	91,161	90,896	80,832	76,680	74,645	r 71,507	r 85,293	[1] r 83,980
Lead:													
Imports, total, except mfrs. (lead content)¶....do....	-	5,217	5,046	12,909	9,477	19,295	8,345	24,427	21,105	12,405	18,898	18,585	18,113
Ore (lead content):													
Mine production*....do....	-	23,660	25,044	28,610	27,229	25,875	27,872	28,065	31,476	29,857	31,116	r 31,658	30,852
Receipts by smelters, domestic ore:♂....do....	-	21,801	32,977	31,373	28,054	27,324	26,180	31,307	30,907	32,157	36,328	37,581	r 34,269
Refined:													
Price, wholesale, pig, desilverized (N. Y.) dol. per lb..	.1500	.0818	.0925	.0825	.0825	.0825	.1044	.1219	.1293	.1318	.1496	.1500	.1500
Production, total♂....short tons..	45,235	18,584	34,029	35,690	40,720	43,062	40,041	40,448	45,629	44,053	51,239	53,424	53,822
From domestic ore♂....do....	41,505	17,450	32,622	33,994	39,012	41,217	38,287	38,943	42,506	41,210	46,699	48,995	49,984
Shipments♂....do....	54,627	25,173	35,591	32,811	34,047	41,008	34,764	40,613	44,888	49,638	52,465	50,568	50,482
Stocks, end of month♂....do....	37,836	32,969	31,396	34,275	40,944	42,992	48,262	48,088	48,826	43,233	41,990	44,834	47,233
Tin:													
Imports:¶													
Ore (tin content)....long tons..	-	3,242	5,665	3,593	153	783	4,904	415	3,011	1,774	0	3,937	1,409
Bars, blocks, pigs, etc....do....	-	2,073	2,172	2,542	581	2,462	1,195	1,991	1,285	419	r 60	33	54
Price, wholesale, Straits (N. Y.)....dol. per lb..	.8000	.5200	.5200	.5200	.5200	.5200	.6452	.7000	.7000	.7000	.7000	.8000	.8000
Zinc:													
Imports, total (zinc content)¶....short tons..	-	15,729	31,057	21,241	25,424	14,425	27,331	32,041	48,627	57,396	25,753	43,935	33,582
For smelting, refining, and export¶....do....	-	878	5,287	3,476	3,637	742	5,441	3,624	5,441	22,482	5,842	10,082	6,367
For domestic consumption:¶													
Ore (zinc content)....do....	-	7,616	19,982	14,007	17,242	8,899	15,278	18,608	29,896	29,275	12,823	28,930	20,306
Blocks, pigs, etc....do....	-	7,235	5,788	3,758	4,545	4,784	6,612	9,809	13,289	5,639	7,088	4,923	6,909
Mine production of recoverable zinc*....do....	-	42,524	33,218	45,893	48,433	51,517	48,993	49,891	54,925	51,085	55,134	56,827	57,181
Slab zinc:													
Price, wholesale, prime Western (St. Louis) dol. per lb....	.1050	.0825	.0923	.0825	.0825	.0887	.1012	.1050	.1050	.1050	.1050	.1050	.1050
Production♂....short tons..	70,990	58,812	59,014	59,752	58,475	64,138	66,873	70,176	72,332	65,198	75,376	73,891	73,970
Shipments♂....do....	63,527	60,492	69,220	51,886	65,927	73,915	91,429	90,204	74,795	76,074	r 75,788	72,243	70,803
Domestic♂....do....	52,390	51,101	58,321	43,522	60,130	71,667	75,781	77,904	67,211	65,356	67,325	61,715	58,827
Stocks, end of month♂....do....	174,327	239,953	229,747	237,613	230,161	220,384	195,828	175,800	173,337	162,461	162,049	163,697	166,864
HEATING APPARATUS, EXCEPT ELECTRIC													
Boilers, radiators and convectors, cast iron:§													
Boilers (round and square):													
Production....thous. of lb..	25,838	20,986	21,188	25,380	25,713	30,066	28,451	19,856	27,982	26,003	29,452	28,849	r 29,528
Shipments....do....	26,342	21,348	20,222	26,881	27,021	32,243	30,954	23,694	24,294	23,782	26,073	25,326	r 23,185
Stocks, end of month....do....	50,824	41,611	42,577	41,076	39,769	37,591	35,088	32,173	35,861	38,082	41,461	44,984	r 51,327
Radiation:													
Production....thous. of sq. ft..	4,472	3,386	3,196	3,878	3,494	4,523	4,321	3,250	4,619	4,168	4,862	4,820	4,984
Shipments....do....	4,698	3,355	3,559	4,469	3,764	4,858	4,369	4,236	4,065	4,200	4,441	4,597	4,746
Stocks....do....	2,909	4,375	4,012	3,421	3,151	2,816	2,768	1,732	2,256	2,254	2,675	2,899	3,137
Boilers, range, shipments*....number..	-	85,704	90,636	113,524	104,169	103,837	94,274	84,457	78,400	60,821	67,140	66,597	66,745
Oil burners:⊕													
Orders, new, net....do....	-	106,579	102,438	101,818	81,888	99,009	105,689	86,196	87,872	118,308	11,795	[2] r 10,338	5,083
Orders, unfilled, end of month....do....	-	806,181	862,912	907,304	931,853	956,966	990,350	1,002,380	1,008,813	1,045,876	1,077,832	r 968,114	874,787
Shipments....do....	-	36,745	45,707	57,426	57,339	73,896	72,305	74,166	81,439	81,245	96,694	r 99,380	98,410
Stocks, end of month....do....	-	5,852	6,626	5,543	5,198	6,407	7,588	7,039	10,487	11,903	14,745	r 13,337	15,432
Stoves and ranges, domestic cooking, exc. electric:*													
Production, total....do....	-	219,970	202,517	263,215	249,542	296,874	254,261	226,291	302,809	281,510	305,406	r 313,694	288,699
Coal and wood....do....	-	31,415	28,459	34,520	34,142	42,232	33,175	31,701	39,317	40,411	46,175	r 49,288	44,837
Gas (incl. bungalow and combination)....do....	-	144,205	133,679	181,190	169,929	204,190	172,054	153,972	206,130	188,387	203,631	210,406	194,182
Kerosene, gasoline, and fuel oil....do....	-	44,350	40,379	47,505	45,471	50,452	49,032	40,618	57,362	52,712	55,600	54,000	49,680
Stoves, domestic heating, production, total*....do....	-	282,358	304,007	376,557	377,803	528,984	466,854	457,360	467,577	360,150	388,957	r 416,216	410,648
Coal and wood*....do....	-	106,608	115,421	135,191	146,901	206,873	163,115	151,979	131,053	89,049	97,264	r 95,063	92,349
Gas*....do....	-	93,091	86,334	104,037	116,405	155,945	151,271	162,518	160,936	139,879	159,496	r 175,282	157,720
Kerosene, gasoline, and fuel oil*....do....	-	82,659	102,252	137,329	114,497	166,166	152,468	142,863	175,588	131,222	132,197	145,871	160,579
Warm air furnaces (forced air and gravity air flow), shipments, total*....number..	-	49,536	49,122	62,246	72,303	83,502	89,005	78,167	76,537	66,308	60,196	55,297	54,916
Gas*....do....	-	15,914	16,206	20,192	23,163	27,545	29,089	26,292	28,954	23,944	14,562	14,209	9,928
Oil*....do....	-	4,339	5,345	6,345	9,112	9,537	12,296	14,385	14,980	17,552	22,683	22,050	24,664
Solid fuel*....do....	-	29,283	27,571	35,709	40,028	46,420	47,620	37,490	32,603	24,812	22,951	19,038	20,324
Water heaters, nonelectric, shipments*....do....	-	181,424	187,569	213,789	209,415	264,989	260,569	253,621	293,315	270,843	282,408	r 244,711	209,800
MACHINERY AND APPARATUS													
Blowers, fans and unit heaters:													
Blowers and fans, new orders....thous. of dol..	-	16,604	-	-	17,382	-	-	15,292	-	-	14,907	-	-
Unit heater group, new orders....do....	-	7,628	-	-	10,193	-	-	10,113	-	-	7,216	-	-
Electric overhead cranes‡:													
Orders, new....do....	-	1,456	2,360	1,565	1,082	2,346	-	-	-	-	-	-	-
Orders, unfilled, end of month....do....	-	15,132	16,242	16,549	15,811	16,775	-	-	-	-	-	-	-
Shipments....do....	-	994	802	1,252	1,192	1,348	-	-	-	-	-	-	-
Foundry equipment:													
New orders, net, total....1937-39=100..	649.9	491.7	453.4	538.7	424.4	469.2	477.4	430.9	513.4	521.9	573.8	512.1	548.6
New equipment....do....	658.9	492.8	444.8	555.5	415.4	407.1	421.0	379.0	466.9	472.5	532.3	445.9	525.9
Repairs....do....	620.7	488.2	481.1	484.1	453.5	672.0	661.5	600.3	665.0	682.9	709.5	727.9	623.0
Machine tools, shipments*....thous. of dol..	24,720	28,580	22,360	26,911	25,468	29,140	26,176	27,587	26,542	26,765	29,012	26,857	25,791

r 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.

[1] Beginning April 1947, data include copper from all sources; earlier data relate to domestic and duty-free foreign copper except that deliveries included deliveries of duty-paid foreign copper for domestic consumption. Stock figure for April 1, 1947, comparable with later data, is 80,522 short tons.

[2] Cancelations exceeded new orders. ‡Data cover 9 companies since September 194;4 earlier data back to March 1943 covered 8 companies.

♂For data for January 1942-April 1944 for the indicated copper, lead, and zinc series, see p. 24 of the June 1944 Survey. Total shipments of zinc include through September 1946 shipments for Government account in addition to shipments to domestic consumer and export and drawback shipments.

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

⊕Data are based on reports of 150 companies for 1946 and around 160 for 1947, covering almost the entire industry; it is believed that concerns added after 1945 had little or no production in that year and data for 1945 were practically complete; in prewar years reports covered about 90 percent of the industry.

*New series. 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 carier annual totals will be shown later. Data for range boilers, stoves and ranges, warm-air furnaces and water heaters are compiled by the Bureau of the Census and are 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 1944 for total shipments of warm-air furnaces are available in the May 1945 and later issues of the Survey. The data shown for gas cooking stoves and ranges were revised in the April 1947 Survey to include combination ranges, or ranges designed to use two different fuels; gas is one of the fuels used in most of these ranges. For source of data on machine tool shipments and reference for 1940-42 data, see note on p. S-34 of February 1947 Survey.

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1947	1946							1947				
	June	June	July	August	September	October	November	December	January	February	March	April	May
METALS AND MANUFACTURES—Continued													
MACHINERY AND APPARATUS—Continued													
Mechanical stokers, sales:¶													
Classes 1, 2, and 3 ... number	5,851	13,893	17,503	20,354	19,437	17,269	14,946	7,594	4,282	2,306	3,598	4,061	5,281
Classes 4 and 5:													
Number	270	309	330	427	450	454	357	339	215	177	280	174	170
Horsepower	63,168	75,074	83,958	70,827	63,055	78,454	58,495	49,903	54,852	52,705	56,661	57,563	52,981
Pumps and water systems, domestic, shipments:♂													
Domestic hand and windmill pumps ... number	36,946	27,741	22,663	25,003	24,082	30,552	28,917	23,434	26,737	28,310	36,261	36,578	r 38,745
Water systems, including pumps, total ... do	54,290	46,155	54,531	60,251	55,485	68,289	57,986	62,319	59,545	64,455	62,586	70,792	r 61,045
Jet* ... do	21,551	23,042	27,421	28,889	26,737	34,728	30,103	34,141	31,125	33,930	32,773	35,671	r 29,173
Nonjet* ... do	32,739	23,113	27,110	31,362	28,748	33,561	27,883	28,178	28,420	30,525	29,813	35,121	r 31,872
Pumps, steam, power, centrifugal and rotary, new orders ... thous. of dol	2,999	2,648	4,014	3,789	3,223	3,581	3,260	3,035	3,428	3,506	3,464	3,638	2,973
Scales and balances (except laboratory), shipments, quarterly:* ... thous. of dol		7,150			7,751			9,864			10,100		
Sewing machines, heads, production:*													
Domestic ... number		33,838	34,596	27,296	35,249	50,042	43,220	43,843	47,063	46,068	51,384		
Industrial ... do		8,909	10,788	7,364	9,695	12,760	10,832	10,764	12,506	11,368	11,687	14,002	11,835
ELECTRICAL EQUIPMENT													
Battery shipments (automotive replacement only), number* ... thousands		1,377	1,161	1,471	1,318	1,355	1,150	1,213	1,509	1,601	1,798	1,868	1,873
Domestic electrical appliances, shipments:													
Vacuum cleaners, total ● ... number		184,182	199,722	234,148	223,039	266,062	268,432	272,949	265,790	279,219	327,528		
Floor ... do		178,841	192,655	226,060	216,219	259,153	260,572	265,364	258,892	272,927	321,515		
Hand ... do		5,341	7,067	8,088	6,820	6,909	7,860	7,585	6,898	6,292	6,013		
Washers ● ... do	314,705	172,195	168,500	189,778	184,215	247,816	216,634	190,770	r 259,233	r 255,611	r 290,397	r 320,969	r 313,724
Electrical products:†													
Insulating materials, sales billed ... 1936=100		227	252	284	294	351	331	337	388	373	405	405	
Motors and generators, new orders § ... do		465	432	501	471	508	438	533					
Furnaces, electric, industrial, sales:													
Unit ... kilowatts		9,099	9,379	9,889	8,240	4,869	4,227	3,615	7,528	5,060	6,514	8,854	3,586
Value ... thous. of dol		606	771	2,104	714	647	600	322	789	476	551	1,079	389
Laminated fiber products, shipments ... do	4,150	2,878	3,268	3,507	3,761	4,328	4,074	4,168	4,550	4,471	4,859	4,687	4,092
Motors (1-200 hp):													
Polyphase induction, billings ... do		5,873	6,154	7,519	7,871	8,621	8,437	9,861			(1) 29,589		
Polyphase induction, new orders ... do		13,095	13,377	15,445	13,808	14,756	11,962	13,875			(1) 38,332		
Direct current, billings ... do		973	987	1,234	1,011	1,344	1,222	1,825			(1) 4,359		
Direct current, new orders ... do		1,735	1,589	2,067	1,741	2,204	1,215	3,620			(1) 5,318		
Rigid steel conduit and fittings, shipments† ... short tons	22,218	16,129	15,705	21,471	18,683	20,742	20,533	24,252	18,297	18,757	20,088	21,110	22,141
Vulcanized fiber:													
Consumption of fiber paper ... thous. of lb	4,771	3,247	3,183	3,790	4,125	5,059	4,741	4,241	5,004	4,488	4,598	4,824	5,086
Shipments ... thous. of dol	1,625	824	1,056	1,288	1,330	1,765	1,640	1,701	1,942	1,744	1,757	1,791	1,758
PAPER AND PRINTING													
PULPWOOD AND WASTE PAPER													
Pulpwood:*													
Consumption ... thous. of cords (128 cu. ft.)	1,632	1,514	1,423	1,558	1,503	1,628	1,585	1,473	1,666	1,523	1,702	1,647	r 1,714
Receipts, total ... do	1,696	1,604	1,723	1,920	1,821	1,705	1,382	1,438	1,709	1,861	1,819	1,430	r 1,465
Stocks, end of month ... do	3,815	2,942	3,241	3,639	3,956	4,034	3,818	3,780	3,814	4,153	4,255	4,035	r 3,767
Waste paper:*													
Consumption ... short tons	642,650	578,075	558,257	635,827	607,231	680,047	651,974	596,247	678,241	620,667	684,637	668,727	r 693,879
Receipts ... do	649,812	606,548	596,609	635,567	604,136	707,738	636,387	634,491	657,165	587,481	667,975	711,509	r 697,152
Stocks ... do	477,944	426,750	464,831	460,946	453,896	481,398	464,676	515,361	492,702	458,826	435,411	475,915	r 473,917
WOOD PULP													
Exports, all grades, total‡ ... short tons		6,057	4,780	3,591	4,334	2,302	1,947	2,737	6,475	9,534	15,150	13,140	14,161
Imports, all grades, total‡ ... do		150,216	212,697	147,417	133,141	152,707	135,001	136,428	167,977	160,791	141,995	r 148,921	175,067
Bleached sulphate‡ ... do		10,584	9,757	3,263	6,348	7,562	7,818	9,271	15,537	20,567	14,132	13,402	19,988
Unbleached sulphate‡ ... do		26,482	64,109	33,864	32,893	29,292	28,051	20,735	38,921	26,615	17,872	21,673	28,669
Bleached sulphite‡ ... do		37,757	37,439	33,988	28,104	31,113	26,938	35,297	39,661	38,318	39,610	43,417	40,330
Unbleached sulphite‡ ... do		49,818	78,176	49,574	49,822	62,459	51,986	50,636	53,075	54,596	48,190	r 44,022	59,488
Soda‡ ... do		1,928	1,249	1,529	1,556	1,410	1,070	1,770	1,318	1,699	1,597	1,621	1,592
Groundwood‡ ... do		23,647	21,967	25,199	14,418	20,871	19,138	18,719	19,465	18,996	20,594	24,786	25,000
Production:†													
Total, all grades ... do		900,629	829,378	915,099	880,198	980,653	947,335	886,567	997,645	r 913,079	r 1,012,858	984,622	1,038,341
Bleached sulphate ... do		77,336	71,931	80,170	76,008	79,811	77,472	75,135	87,764	79,766	89,792	87,175	92,484
Unbleached sulphate ... do		323,722	309,614	331,586	314,645	343,457	336,697	304,130	350,101	321,127	354,293	337,047	366,873
Bleached sulphite ... do		138,986	132,575	143,184	135,185	152,654	144,605	141,358	159,571	146,907	162,270	160,223	164,791
Unbleached sulphite ... do		65,455	56,675	69,272	64,407	75,732	71,711	67,047	75,060	68,901	73,967	74,131	79,133
Soda ... do		38,386	37,583	42,655	38,947	42,010	40,717	39,154	42,343	37,696	42,092	41,655	43,324
Groundwood ... do		149,840	133,614	140,027	132,787	159,873	158,714	149,558	164,703	r 150,587	r 167,995	167,727	171,905
Defibrated, exploded, etc.* ... do		58,955	41,706	56,589	71,548	75,279	69,915	66,796	73,111	65,485	76,061	74,712	r 76,000
Stocks, end of month:†													
Total, all grades ... do		85,313	83,178	77,606	71,916	72,432	76,590	70,609	74,887	74,465	79,694	83,786	95,760
Bleached sulphate ... do		6,291	6,684	6,021	7,193	7,589	6,218	6,836	7,542	6,990	7,447	6,926	7,079
Unbleached sulphate ... do		8,013	6,773	6,430	8,350	7,865	8,765	7,222	8,545	7,809	7,043	8,331	7,545
Bleached sulphite ... do		14,363	17,933	17,185	16,713	17,620	18,615	20,326	19,500	17,747	21,004	20,564	26,284
Unbleached sulphite ... do		11,800	11,043	13,605	12,154	15,399	15,294	9,513	8,610	9,938	11,128	10,645	13,527
Soda ... do		2,329	2,448	2,726	2,690	2,481	2,611	2,088	2,431	2,808	2,422	2,052	2,709
Groundwood ... do		39,252	34,940	28,230	21,381	17,943	21,423	22,897	25,971	27,188	28,630	32,046	35,452

r Revised. (1) Data are for January-March. ♂It is believed that data shown currently and also earlier data for recent years are substantially complete.

¶ Data cover almost the entire industry; in prewar years the reporting concerns represented over 95 percent of the total.

‡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 monthly index of orders received of motors and generators will be released quarterly beginning with the second quarter of 1947.

● Data for washers are from the American Ironer and Washer Manufacturers' Association and cover electric and gasoline washers, excluding small or midget types; the 1946 data are as reported by companies representing around 97 percent of the industry according to comparison of the January-September total with data for that period collected by the Bureau of the Census; 1947 data are revised estimated industry totals. Data for vacuum cleaners are from the Vacuum Cleaner Manufacturers Association and cover total sales, excluding rebuilt cleaners, by the industry; data for hand type are comparable with figures in the 1942 Supplement; data for floor type shown in that volume include rebuilt cleaners and are therefore not entirely comparable with figures shown above (comparable monthly average for 1941, 139,177).

*New series. See note in the February 1947 Survey for source of data for automotive replacement battery shipments, pulpwood and waste paper; all series are industry totals. Data for 1939-45 for jet and nonjet water systems will be shown later. Data for scales and balances and sewing machines are from the Bureau of the Census and are practically complete, data prior to 1946 will be shown later (collection of data on the production of domestic sewing machines has been discontinued). Data beginning 1941 for production of defibrated, exploded, etc., wood pulp also will be shown later.

†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. Data for rigid steel conduit and fittings were revised in the July 1946 Survey (see note in that issue for explanation). Revised wood pulp production for 1940-43 and sulphite stocks for 1943 are shown on p. 20 of the December 1944 Survey and revised 1942 stock figures for all series are on pp. 30 and 31 of the June 1943 issue; revisions in the 1943 data for groundwood and total production shown in the December 1944 Survey and unpublished revisions in the 1944 production data for these two series will be shown later; beginning in the May issue, data for total production of wood pulp include defibrated, exploded, etc., pulp, shown separately above, which was not included previously; stocks of such pulp are comparatively small and are not included in the stock figures; stock data are stocks of own pulp at mills.

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

PAPER AND PRINTING—Continued

PAPER AND PAPER PRODUCTS	June 1947	June	July	August	September	October	November	December	January	February	March	April	May
All paper and paperboard mills:*													
Paper and paperboard production, total..short tons..	1,729,087	1,596,773	1,474,261	1,684,906	1,596,187	1,751,147	1,674,107	1,577,751	1,764,493	1,629,117	1,800,239	1,754,410	r 1,835,620
Paper...do....	883,163	820,090	766,906	864,982	799,698	888,293	845,207	803,350	892,871	820,583	901,973	885,366	r 931,506
Paperboard...do....	726,304	677,681	635,304	729,445	687,473	737,648	708,949	659,340	752,393	701,075	773,441	751,198	r 776,381
Building board...do....	119,620	99,002	72,051	90,479	109,016	125,206	119,951	115,061	119,229	107,459	124,825	117,846	r 127,733
Paper, excl. building paper, newsprint, and paperboard (American Paper and Pulp Association):†													
Orders, new...short tons..	691,780	669,564	659,247	646,889	681,582	745,909	640,569	644,338	809,564	671,294	738,255	r 692,057	r 715,757
Production...do....	704,830	671,335	613,822	704,694	648,551	721,954	690,813	654,939	728,303	666,630	732,863	r 711,517	r 750,396
Shipments...do....	692,237	677,096	613,441	701,343	632,877	736,737	695,803	649,478	726,511	667,801	721,800	r 709,453	r 744,357
Fine paper:													
Orders, new...do....	106,080	108,191	100,854	85,449	101,055	109,332	81,565	84,304	114,900	93,388	119,009	r 102,900	r 90,518
Orders, unfilled, end of month...do....	158,250	175,437	187,924	161,480	176,288	174,098	159,403	161,502	166,112	161,085	166,788	r 165,340	r 148,310
Production...do....	100,200	97,790	89,320	103,161	92,573	102,908	100,943	94,870	105,100	97,608	106,484	r 102,434	r 107,591
Shipments...do....	97,205	99,684	85,824	99,592	88,037	112,537	104,245	93,037	107,504	98,095	105,153	r 100,644	r 108,356
Stocks, end of month...do....	50,500	59,500	56,150	53,504	59,081	54,635	52,578	52,970	47,939	47,596	47,880	r 48,985	r 49,285
Printing paper:													
Orders, new...do....	235,125	214,214	225,529	202,087	234,622	254,603	212,033	223,580	314,706	235,764	252,988	r 238,918	r 260,627
Orders, unfilled, end of month...do....	270,793	252,603	258,456	229,328	241,498	248,257	221,908	226,988	290,502	296,114	292,367	r 281,212	r 273,275
Price, wholesale, book paper, "B" grade, English finish, white, f. o. b. mill...dol. per 100 lb..	9.80	8.00	8.00	8.28	8.55	8.55	8.55	9.30	9.30	9.68	9.80	9.80	9.80
Production...short tons..	248,180	226,110	206,408	236,530	219,460	246,718	230,394	223,860	252,360	230,039	256,045	r 252,348	r 263,677
Shipments...do....	242,032	288,049	206,958	237,857	213,137	249,933	235,028	215,967	250,429	226,676	249,862	r 252,770	r 257,570
Stocks, end of month...do....	75,802	53,512	53,225	55,331	59,320	62,013	50,504	55,100	57,113	60,440	67,234	r 63,943	r 68,516
Wrapping paper:													
Orders, new...do....	255,575	254,258	247,518	261,804	253,345	278,773	252,261	245,954	279,440	249,396	270,461	r 252,330	r 263,424
Orders, unfilled, end of month...do....	170,575	194,966	197,977	193,693	213,506	214,298	197,134	191,210	186,735	184,065	182,985	r 178,430	r 161,563
Production...do....	260,500	254,348	237,498	266,987	248,021	274,416	264,614	248,937	272,357	249,479	271,949	r 256,878	r 276,941
Shipments...do....	256,500	256,630	237,170	267,254	243,728	276,005	264,765	252,874	272,050	252,127	269,497	r 256,026	r 275,131
Stocks, end of month...do....	65,875	65,970	65,867	64,162	72,263	71,230	66,026	67,131	64,128	61,972	59,211	r 59,788	r 60,225
Newsprint:													
Canada:													
Production...do....	355,606	334,207	357,027	370,676	330,063	376,436	364,304	341,951	370,000	341,268	372,482	369,490	384,520
Shipments from mills...do....	375,498	322,805	364,591	356,572	335,874	387,294	391,388	340,125	344,543	319,831	373,769	376,305	400,763
Stocks, at mills, end of month...do....	90,431	123,161	115,597	129,701	123,890	113,032	85,948	87,774	113,231	134,668	133,381	126,566	110,323
United States:													
Consumption by publishers...do....	292,664	259,284	243,072	257,303	265,583	292,205	291,517	294,835	266,422	258,424	302,672	297,461	302,994
Imports ¶...do....	....	276,959	326,399	295,934	293,228	305,777	323,457	318,576	294,042	260,815	322,357	315,334	328,747
Price, rolls (N. Y.)...dol. per short ton..	90.00	67.00	71.08	73.80	74.00	80.00	84.00	84.00	84.00	84.00	84.00	90.00	90.00
Production...short tons..	67,268	61,241	62,742	65,129	61,025	67,248	64,739	62,088	68,634	62,802	67,916	71,933	73,498
Shipments from mills...do....	66,743	61,671	60,249	67,206	55,587	66,966	62,107	62,054	69,492	65,226	68,872	73,988	70,997
Stocks, end of month:													
At mills...do....	11,951	6,416	8,909	6,832	12,270	12,552	15,184	15,218	14,360	11,936	10,980	8,925	11,426
At publishers...do....	228,793	209,784	226,577	243,331	240,602	217,303	217,438	219,478	231,694	224,453	206,064	215,995	212,724
In transit to publishers...do....	71,664	52,155	61,735	64,331	60,634	82,167	79,676	73,328	75,602	69,466	73,699	68,773	64,985
Paperboard (National Paperboard Association):‡													
Orders, new...do....	715,054	682,472	729,294	742,918	712,650	806,828	703,825	697,357	802,016	713,834	747,358	770,304	760,236
Orders, unfilled, end of month...do....	461,226	568,733	632,141	575,021	580,228	613,221	555,398	542,896	586,121	577,777	549,774	582,603	511,918
Production...do....	737,551	687,700	675,600	768,200	692,200	781,700	750,900	688,646	774,667	718,072	747,115	765,026	805,744
Percent of activity...	101	97	89	99	96	99	99	92	98	103	103	100	101
Waste paper, consumption and stocks: §													
Consumption...short tons..	424,391	374,295	369,803	439,696	399,684	420,867	474,317	397,478	450,740	416,935	456,127	445,180	r 464,323
Stocks at mills, end of month...do....	299,507	283,996	315,236	313,975	299,218	309,990	304,100	321,434	313,398	274,850	266,879	289,297	293,347
Paper products:													
Shipping containers, corrugated and solid fiber, shipments*...mil. sq. ft. surface area..	4,662	4,730	4,763	5,233	4,919	5,512	5,242	4,828	5,475	5,289	5,566	5,438	r 5,245
Folding paper boxes, value:*													
New orders...1936=100..	343.8	362.7	361.0	381.0	414.6	440.2	363.8	421.4	490.3	445.6	414.5	414.4	399.7
Shipments...do....	447.6	331.3	300.5	368.3	351.5	409.4	397.0	405.9	474.5	439.7	470.9	483.0	458.9
PRINTING													
Book publication, total...no. of editions..	531	679	536	510	656	848	863	846	470	557	1,027	852	811
New books...do....	426	556	422	401	532	675	704	621	372	436	808	678	650
New editions...do....	105	123	114	109	124	173	159	225	98	121	219	174	161

PETROLEUM AND COAL PRODUCTS

COAL	June 1947	June	July	August	September	October	November	December	January	February	March	April	May
Anthracite:													
Exports¶...thous. of short tons..	....	366	657	761	717	546	556	957	577	406	528	880	831
Prices, composite, chestnut:													
Retail...dol. per short ton..	r 16.17	15.28	16.55	16.56	[1] 16.81	[1] 16.78	[1] 16.80	[1] 16.63	16.87	16.84	[1] 16.83	[1] 16.82	r [1] 16.17
Wholesale...do....	13.520	12.726	13.622	13.584	13.593	13.593	13.597	13.620	13.768	13.753	13.767	13.652	13.460
Production...thous. of short tons..	4,597	3,636	5,263	5,444	5,048	5,409	4,990	5,080	5,155	4,240	4,967	4,279	4,549
Stocks, producers' storage yards, end of mo.⊕..do....	....	63	83	94	132	200	236	251	284	292	321	....	....
Bituminous:													
Exports¶...do....	....	3,245	5,418	5,874	5,070	4,185	3,644	1,712	3,253	3,233	4,168	4,555	7,546
Industrial consumption and retail deliveries, total⊕ thous. of short tons..	....	34,012	39,235	41,565	42,424	46,698	44,516	45,940	55,788	52,399	52,487	....	....
Industrial consumption, total...do....	....	29,548	32,744	33,958	34,041	36,714	35,401	37,281	42,843	39,855	41,498	....	....
Beehive coke ovens...do....	....	571	716	788	729	867	562	599	877	798	895	....	....
Byproduct coke ovens...do....	....	6,309	7,551	7,781	7,578	7,814	6,992	6,757	7,964	7,245	8,025	....	....
Cement mills...do....	....	575	632	675	656	693	694	676	658	607	651	....	....
Electric power utilities...do....	....	5,024	5,714	6,314	6,280	6,708	6,447	6,732	7,158	6,594	6,938	....	....
Railways (class I)...do....	....	8,257	8,720	9,092	8,790	9,571	8,879	9,515	10,104	9,431	10,137	....	....
Steel and rolling mills...do....	....	582	671	760	725	850	799	871	943	904	947	....	....
Other industrial...do....	....	8,230	8,740	8,548	9,283	10,211	11,028	12,131	15,139	14,276	13,905	....	....
Retail deliveries...do....	....	4,464	6,491	7,607	8,383	9,984	9,115	8,659	12,945	12,544	10,989	....	....

r Revised. ¶Data continue series in the 1942 Supplement; data for October 1941–February 1945 will be published later.

§Estimated; see note in April 1946 Survey for basis of estimates.

[1] The comparability of the data is affected by a gradual reduction in the number of cities, or changes in the number of dealers or the number of quotations included in the averages from August 1946 to date; averages for August, September, November, and December 1946 and January 1947 comparable in each case with data shown above for the following month are $16.54, $16.80, $16.62, $16.60, and $16.85, respectively; data for February–June 1947 are directly comparable; in other months comparability was affected only slightly.

⊕Publication of anthracite stocks has been discontinued and collection of data for consumption of bituminous coal has been indefinitely discontinued.

‡For revisions for January 1942–March 1943, see note for paperboard at bottom of p. S-35 of July 1944 Survey; small revisions for January 1944–April 1946 are available on request.

†Revised series. The series from the American Paper and Pulp Association beginning in the August 1944 Survey are estimated industry totals and are not comparable with data in earlier issues; there have been further small revisions in the 1943–44 data as published prior to the June 1945 issue; these revisions and earlier data will be published later.

*New series. The new paper series are from the Bureau of the Census and cover production of all mills including producers of building paper and building boards; for 1942 monthly averages and data for the early months of 1943, see p. S-32 of the August 1944 issue. 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. S-32 of the August 1944 Survey; earlier data will be published later. Minor revisions in the January–May 1944 figures fo folding paper boxes and January 1943–May 1944 data for shipping containers are available on request.

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1947 June	1946 June	1946 July	1946 August	1946 September	1946 October	1946 November	1946 December	1947 January	1947 February	1947 March	1947 April	1947 May
PETROLEUM AND COAL PRODUCTS—Continued													
COAL—Continued													
Bituminous coal—Continued													
Other consumption:													
Vessels (bunker)§ .... thous of short tons	--------	88	138	146	134	140	135	88	77	91	125	150	200
Coal mine fuel⊕ .... do	--------	222	223	240	224	237	158	179	249	214	233	--------	--------
Prices, composite:													
Retail (34 cities) .... dol. per short ton	[1] 12.10	10.93	11.23	11.23	[1] 11.10	[1] 11.08	[1] 11.14	[1] 11.22	[1] 11.82	[1] 11.97	[1] 11.99	[1] 12.00	[1] 12.09
Wholesale:													
Mine run .... do	6.368	5.832	5.949	5.972	5.976	5.989	5.998	6.044	6.217	6.230	6.252	6.334	6.334
Prepared sizes .... do	6.581	6.094	6.186	6.194	6.199	6.200	6.212	6.305	6.498	6.518	6.524	6.561	6.565
Production†⊕ .... thous. of short tons	--------	50,579	51,350	54,686	51,922	57,485	37,501	43,746	58,970	51,400	54,995	41,120	--------
Stocks, industrial and retail dealers, end of month, total⊕ .... thous. of short tons	--------	37,777	43,611	47,990	52,367	54,924	52,429	47,157	49,169	49,471	51,674	--------	--------
Industrial, total .... do	--------	35,213	40,450	44,567	48,965	51,532	49,546	44,453	46,003	47,340	49,547	--------	--------
Byproduct coke ovens .... do	--------	3,630	3,871	5,230	5,924	6,593	6,355	5,222	5,919	6,645	7,429	--------	--------
Cement mills .... do	--------	482	591	768	891	1,046	1,054	887	861	881	935	--------	--------
Electric power utilities .... do	--------	11,430	12,594	13,907	14,563	15,638	14,549	13,044	13,208	13,453	14,059	--------	--------
Railways (class I) .... do	--------	7,297	7,641	8,117	8,800	9,274	7,587	6,959	7,673	7,682	8,262	--------	--------
Steel and rolling mills .... do	--------	624	642	843	855	888	877	785	909	985	1,141	--------	--------
Other industrial .... do	--------	11,750	15,111	15,702	17,932	18,093	19,124	17,556	17,433	17,694	17,721	--------	--------
Retail dealers, total .... do	--------	2,564	3,161	3,423	3,402	3,392	2,883	2,704	3,166	2,131	2,127	--------	--------
COKE													
Exports § .... thous. of short tons	--------	82	113	97	93	76	78	49	49	38	69	76	98
Price, beehive, Connellsville (furnace) dol. per short ton	9.562	7.500	8.750	8.000	8.750	8.750	8.750	8.750	8.812	8.875	8.875	9.062	9.125
Production:													
Beehive .... thous. of short tons	[p] 450	367	468	524	485	557	361	381	562	514	580	429	593
Byproduct .... do	--------	4,418	5,323	5,462	5,345	5,512	4,925	4,769	5,619	5,129	5,658	5,383	5,531
Petroleum coke .... do	--------	159	168	186	190	212	191	197	203	178	209	195	218
Stocks, end of month:													
Byproduct plants, total .... do	--------	616	709	807	949	1,120	1,034	929	797	716	676	652	671
At furnace plants .... do	--------	360	361	398	503	653	602	571	523	527	504	460	445
At merchant plants .... do	--------	256	348	409	446	467	432	358	274	189	172	191	226
Petroleum coke .... do	--------	85	78	72	89	96	93	90	94	77	91	89	84
PETROLEUM AND PRODUCTS													
Crude petroleum:													
Consumption (runs to stills)† .... thous. of bbl	--------	145,069	150,541	150,550	145,181	146,816	140,514	148,171	146,897	134,953	150,120	141,210	153,348
Exports§ .... do	--------	3,401	4,291	4,602	3,687	4,622	3,794	3,542	2,529	2,610	3,257	3,999	4,789
Imports§ .... do	--------	6,268	7,813	7,631	8,154	7,149	6,176	8,422	8,956	8,172	8,916	7,846	8,361
Price (Kansas-Okla.) at wells .... dol. per bbl	1,810	1.210	1.260	1.460	1.460	1.460	1.485	1.560	1.560	1.560	1.710	1,810	1,810
Production† .... thous. of bbl	--------	146,890	152,586	149,910	143,708	148,323	144,674	146,471	144,800	134,693	152,160	149,228	156,024
Refinery operations .... pct. of capacity	--------	96	98	96	96	94	93	95	94	95	94	94	95
Stocks, end of month:													
Refinable in U. S.† .... thous. of bbl	--------	223,140	224,351	224,157	222,417	222,177	226,453	224,473	223,848	225,121	228,981	235,710	237,768
At refineries .... do	--------	55,119	53,532	54,785	53,894	52,074	53,344	53,113	55,833	57,106	59,310	60,386	59,013
At tank farms and in pipe lines .... do	--------	152,786	155,656	154,501	153,469	155,434	158,207	156,238	152,988	153,160	154,637	160,484	163,740
On leases† .... do	--------	15,235	15,163	14,871	15,054	14,669	14,902	15,122	15,027	14,855	15,034	14,840	15,015
Heavy in California .... do	--------	4,921	4,968	5,066	5,401	5,483	5,335	5,703	5,584	5,790	5,999	5,953	5,825
Wells completed† .... number	--------	1,396	1,241	1,425	1,333	1,434	1,314	1,248	1,453	1,196	1,358	1,247	1,626
Refined petroleum products:													
Gas and fuel oils:													
Domestic demand:§													
Distillate fuel oil .... thous. of bbl	--------	14,850	15,098	13,828	14,520	18,131	23,110	32,450	35,294	31,687	29,279	21,321	19,262
Residual fuel oil .... do	--------	39,283	36,734	37,925	33,509	37,014	41,497	47,405	48,299	43,308	45,852	42,140	40,057
Consumption by type of consumer:													
Electric power plants† .... do	--------	2,851	2,512	2,963	2,914	3,280	4,372	5,313	4,426	3,696	3,564	3,462	3,264
Railways (class I) .... do	--------	6,859	6,903	6,950	6,729	7,249	7,307	7,607	7,460	6,537	7,138	6,675	6,653
Vessels (bunker oil)§ .... do	--------	5,967	5,547	5,374	3,695	2,367	5,002	5,579	5,818	5,710	6,164	6,132	6,470
Exports: §													
Distillate fuel oil .... do	--------	3,684	2,540	2,715	1,992	891	758	1,273	876	1,751	2,093	2,766	2,189
Residual fuel oil .... do	--------	351	578	321	730	550	316	831	733	713	672	635	593
Price, fuel oil (Pennsylvania) .... dol. per gal	.075	.058	.058	.062	.062	.062	.062	.066	.070	.070	.071	.073	.075
Production:													
Distillate fuel oil .... thous. of bbl	--------	23,320	24,589	23,703	23,877	24,432	23,741	24,970	24,131	21,746	25,577	22,925	24,954
Residual fuel oil .... do	--------	36,569	36,060	35,942	34,512	33,777	33,015	35,937	36,390	34,390	37,876	34,438	37,328
Stocks, end of month:													
Distillate fuel oil .... do	--------	38,824	46,439	54,068	62,019	67,870	68,145	59,620	48,197	36,901	31,423	30,268	34,279
Residual fuel oil .... do	--------	41,492	45,446	48,186	54,012	55,580	52,735	47,094	41,550	38,480	37,403	36,455	39,992
Motor fuel:													
Domestic demand§ .... thous. of bbl	--------	63,221	69,044	66,701	62,216	66,598	61,315	61,043	57,057	50,551	59,947	r 63,406	70,865
Exports§ .... do	--------	2,555	2,321	3,604	3,608	2,386	3,068	3,688	2,892	4,832	4,091	3,358	3,480
Prices, gasoline:													
Wholesale, refinery (Okla.) .... dol. per gal	.080	.058	.060	.068	.070	.070	.070	.070	.070	.070	.076	.080	.080
Wholesale, tank wagon (N. Y.) .... do	.172	.149	.151	.158	.159	.159	.159	.161	.161	.161	.167	.172	.172
Retail, service stations, 50 cities .... do	.171	.142	.151	.155	.155	.155	.156	.157	.158	.159	.171	.171	.171
Production, total† .... thous. of bbl	--------	64,345	67,445	69,707	66,284	67,305	66,072	69,028	65,904	60,485	66,701	63,374	68,535
Gasoline and naphtha from crude oil ● .... do	--------	56,705	59,921	62,079	58,914	59,607	58,636	61,387	58,560	53,591	59,069	55,502	60,681
Natural gasoline and allied products‡† .... do	--------	9,501	9,558	9,821	9,574	10,275	10,155	10,651	10,651	9,944	11,033	10,803	10,392
Sales of l. p. g. for fuel and chemicals .... do	--------	1,752	1,928	2,085	2,082	2,444	2,604	2,870	3,148	2,931	3,252	2,797	2,396
Transfer of cycle products .... do	--------	109	106	108	122	133	115	140	159	119	149	134	142
Used at refineries† .... do	--------	4,940	5,229	5,774	5,390	6,023	6,232	5,813	5,859	4,908	5,271	5,618	5,300
Retail distribution♂ .... mil. of gal	--------	2,619	2,856	2,784	2,555	2,701	2,498	2,518	2,319	2,173	2,449	2,605	--------
Stocks, gasoline, end of month:													
Finished gasoline, total .... thous. of bbl	--------	83,726	79,384	78,833	78,848	77,628	79,980	84,534	90,300	94,985	96,952	r 92,719	86,727
At refineries .... do	--------	50,911	48,077	47,347	47,021	46,244	47,581	51,927	57,066	61,332	63,089	r 58,852	54,752
Unfinished gasoline .... do	--------	8,245	8,394	7,912	8,173	8,324	8,607	8,208	9,323	8,687	8,727	9,005	8,482
Natural gasoline .... do	--------	7,343	7,334	6,943	7,060	6,312	5,487	4,981	4,794	5,010	5,265	5,604	5,566

r Revised. ♂ See note in April 1946 Survey. ● Combined total of data formerly shown as straight run gasoline and cracked gasoline.

[1] 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 for August, September, November, and December 1946 and January 1947 comparable in each case with data shown above for the following month are $10.93, $11.07, $11.12, $11.40, and $11.94, respectively; February–June 1947 are directly comparable and cover 30 cities.

⊕ Collection of data for the indicated coal series has been indefinitely discontinued.

§ 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 series. For source of 1939–41 revisions for bituminous coal production, see note marked "†" on p. S-32 of the April 1943 Survey; revisions for 1942–43 are shown on p. S-33 of the April 1945 issue; revisions for 1945 are shown on p. S-36 of the March 1947 Survey. For 1941 revisions for the indicated series on petroleum products see notes marked "†" on p. S-33 of the March and April 1943 issues (correction for crude petroleum production January 1941, 110,446); 1942–43 revisions are available upon request.

‡ 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.

PETROLEUM AND COAL PRODUCTS—Continued

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1947 June	1946 June	1946 July	1946 August	1946 September	1946 October	1946 November	1946 December	1947 January	1947 February	1947 March	1947 April	1947 May
PETROLEUM AND PRODUCTS—Continued													
Refined petroleum products—Continued													
Kerosene:													
Domestic demand§ .... thous. of bbl.		5,185	5,339	4,321	5,284	7,502	8,899	11,513	12,325	10,532	10,078	8,082	6,068
Exports§ .... do		1,566	976	767	701	312	414	664	394	930	1,017	889	202
Price, wholesale, water white, 47°, refinery (Pennsylvania) .... dol. per gal.	.082	.070	.071	.074	.074	.074	.074	.075	.076	.076	.078	.081	.082
Production .... thous. of bbl.		8,376	8,435	8,179	7,825	8,566	7,893	8,782	9,415	9,243	9,476	8,854	9,284
Stocks, refinery, end of month .... do		9,063	10,490	12,382	13,442	13,926	12,734	9,772	7,299	6,126	5,260	4,870	7,328
Lubricants:													
Domestic demand§ .... do		2,715	3,049	3,236	3,095	3,536	2,900	2,900	2,951	2,680	2,929	3,066	3,104
Exports§ .... do		1,054	910	1,135	694	706	906	1,063	1,104	1,258	1,273	1,259	1,361
Price, wholesale, cylinder, refinery (Pennsylvania) .... dol. per gal.	.330	.160	.160	.200	.214	.248	.250	.274	.298	.300	.308	.310	.310
Production .... thous. of bbl.		3,839	3,620	4,096	4,016	4,327	3,857	4,135	4,204	3,925	4,480	4,267	4,608
Stocks, refinery, end of month .... do		7,635	7,293	7,030	7,244	7,338	7,384	7,564	7,773	7,753	8,015	7,936	8,070
Asphalt:													
Imports§ .... short tons		8,588	9,052	18,772	27,811	8,253	0	88	11,389	19,144	12,022	21,923	20,323
Production .... do		738,200	851,800	871,300	827,800	806,500	670,400	615,800	540,500	532,400	602,700	606,700	789,300
Stocks, refinery, end of month .... do		907,600	819,600	691,800	626,500	577,800	622,200	702,000	781,800	888,200	1,001,800	1,028,500	1,063,100
Wax:													
Production .... thous. of lb.		65,520	60,480	69,160	68,600	74,480	79,240	79,800	83,720	81,760	93,520	80,080	89,600
Stocks, refinery, end of month .... do		81,760	73,920	73,360	83,160	84,840	89,880	86,240	82,040	85,120	91,560	85,680	89,320
Asphalt prepared roofing, shipments:†													
Total .... thous. of squares		5,045	5,213	5,516	5,264	5,646	5,328	5,231	5,827	5,300	5,809	6,097	5,968
Smooth-surfaced roll roofing and cap sheet .... do		1,575	1,653	1,837	1,633	1,760	1,725	1,691	1,942	1,886	1,969	1,997	1,798
Mineral-surfaced roll roofing and cap sheet .... do		1,099	1,105	1,128	1,146	1,237	1,168	1,134	1,287	1,162	1,273	1,326	1,399
Shingles, all types .... do		2,371	2,456	2,550	2,486	2,649	2,435	2,407	2,598	2,252	2,567	2,775	2,771

RUBBER AND RUBBER PRODUCTS

	1947 June	1946 June	1946 July	1946 August	1946 September	1946 October	1946 November	1946 December	1947 January	1947 February	1947 March	1947 April	1947 May
RUBBER													
Natural rubber:													
Consumption¶ .... long tons		16,466	21,998	28,405	31,123	35,421	37,323	38,802	45,328	40,983	43,104	43,818	43,098
Imports, including latex and Guayule § .... do		9,545	21,627	35,731	41,737	46,887	59,266	46,658	92,779	60,678	36,088	46,011	93,026
Stocks, end of month¶ .... do		176,768	169,490	185,580	199,591	200,799	218,672	237,467	294,191	283,479	280,812	292,970	331,781
Synthetic rubber:*													
Consumption .... do		62,899	54,562	61,486	58,798	60,729	57,794	53,453	58,764	53,321	55,514	54,333	48,663
Exports .... do		5,367	3,166	2,188	2,603	487	1,786	1,877	3,450	2,434	710	665	441
Production .... do		63,388	63,176	64,300	63,765	62,086	60,305	62,648	62,103	59,125	57,478	50,117	39,069
Stocks, end of month .... do		94,095	101,007	103,076	108,840	110,913	113,556	114,963	115,655	119,912	121,322	116,829	106,848
Reclaimed rubber:¶													
Consumption .... do		21,725	21,350	24,566	23,715	26,706	24,385	23,597	27,715	25,484	26,157	25,066	21,697
Production .... do		24,882	22,619	25,798	23,956	26,322	24,748	25,254	25,545	23,990	26,209	26,696	25,392
Stocks, end of month .... do		35,295	35,603	35,742	35,404	34,261	33,516	33,666	30,053	27,417	31,940	33,527	37,223
TIRES AND TUBES													
Pneumatic casings:§													
Exports .... thousands		235	248	264	155	198	358	413	411	353	363	419	502
Production .... do		6,323	5,985	7,054	7,233	8,197	7,595	7,511	8,508	7,915	8,577	8,333	8,104
Shipments .... do		6,503	6,304	6,825	6,947	8,425	7,478	8,137	7,499	7,360	7,892	7,273	7,283
Original equipment .... do		937	1,534	1,689	1,636	1,874	1,656	1,839	1,922	2,138	2,457	1,894	2,005
Stocks, end of month .... do		3,276	2,819	3,006	3,372	3,041	3,112	2,448	3,328	3,865	4,516	5,608	6,426
Inner tubes:§													
Exports .... do		205	192	193	109	125	258	313	334	282	297	337	475
Production .... do		5,917	5,826	7,034	7,148	8,187	7,680	7,402	8,719	7,841	7,921	7,093	5,752
Shipments .... do		5,942	6,170	6,918	6,702	8,408	7,260	7,923	7,188	6,289	6,466	5,731	5,571
Stocks, end of month .... do		4,404	3,907	3,929	4,433	4,106	4,483	3,820	5,075	6,621	8,050	9,480	9,772

STONE, CLAY, AND GLASS PRODUCTS

	1947 June	1946 June	1946 July	1946 August	1946 September	1946 October	1946 November	1946 December	1947 January	1947 February	1947 March	1947 April	1947 May
ABRASIVE PRODUCTS													
Coated abrasive paper and cloth, shipments .... reams	134,834	147,807	140,813	161,631	150,726	166,649	164,733	145,383	151,364	143,017	158,716	155,873	146,352
PORTLAND CEMENT													
Production .... thous. of bbl.	15,971	14,489	15,420	16,213	16,450	16,410	15,335	14,557	13,406	12,618	14,205	14,566	13,389
Percent of capacity	81	73	75	79	83	81	78	71	66	68	69	74	66
Shipments .... thous. of bbl.	18,188	14,564	16,249	17,955	17,153	17,721	14,803	11,494	8,395	8,434	12,133	15,414	r 15,328
Stocks, finished, end of month .... do	17,092	11,894	11,064	9,308	8,612	7,298	7,830	10,921	15,931	20,112	22,178	r 21,331	r 19,308
Stocks, clinker, end of month .... do	5,744	4,928	4,788	4,580	3,898	3,598	3,512	3,886	4,593	5,354	5,996	r 6,338	r 6,326
CLAY PRODUCTS													
Brick, unglazed:													
Price, wholesale, common, composite, f. o. b. plant .... dol. per thous.	19.550	17.932	18.074	18.218	18.519	18.551	19.010	19.095	19.270	19.292	19.400	19.412	19.416
Production* .... thous. of standard brick		376,587	481,547	501,287	470,998	509,839	455,676	381,146	376,848	334,624	339,963	r 377,586	410,744
Shipments* .... do		354,086	447,614	481,377	443,647	480,121	424,705	354,782	324,868	268,460	326,776	r 382,610	400,530
Stocks, end of month* .... do		235,490	263,564	286,534	310,814	339,129	368,953	383,824	448,752	509,022	522,627	r 515,806	526,649
Structural tile, unglazed:*													
Production .... short tons		104,107	119,041	125,352	116,845	128,276	123,976	113,682	112,119	97,421	97,443	r 107,543	104,978
Shipments .... do		99,706	117,723	124,293	115,474	122,157	107,833	102,278	97,764	82,505	96,050	r 107,101	104,863
Stocks .... do		52,285	56,608	56,923	57,664	62,633	80,497	87,580	101,950	116,503	118,075	r 118,637	115,773
Vitrified clay sewer pipe:*													
Production .... do		92,369	107,901	108,042	99,000	116,567	102,857	103,135	112,992	104,504	109,254	r 101,914	117,071
Shipments .... do		98,634	104,072	108,446	106,518	110,751	98,495	103,313	103,896	93,241	107,758	r 107,851	114,545
Stocks .... do		129,427	134,529	133,143	125,491	131,330	134,560	137,887	143,194	154,653	156,061	150,033	152,410

r Revised. § Data continue series published in the 1942 Supplement but suspended during the war period. Data for 1941–45 for tires and tubes and imports of natural rubber are shown on pp. 22 and 23 of the December 1946 Survey. Data for October 1941–February 1945 for other series will be published later.

¶ For source of the indicated series and 1941–45 data, see p. 23 of December 1946 Survey; these data continue similar series published in the 1942 Supplement.

* New series. Data for 1943–45 for exports of synthetic rubber and for 1941–45 for other synthetic rubber series are shown on p. 23 of the December 1946 Survey. For September 1942–December 1943 data for brick see p. 24 of the February 1945 Survey and for 1939–45 data for clay sewer pipe, p. 23 of December 1946 issue; data for September 1942–February 1945 for unglazed structural tile are shown on p. 20 of the April 1947 Survey.

† Data for asphalt roofing have been published on a revised basis beginning in the April 1945 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	1947	1946							1947				
	June	June	July	August	September	October	November	December	January	February	March	April	May
STONE, CLAY, AND GLASS PRODUCTS—Continued													
GLASS PRODUCTS													
Glass containers:†													
Production .... thous. of gross	9,619	8,991	9,426	10,659	9,815	10,533	9,610	9,344	11,153	9,281	10,582	10,358	r 10,578
Shipments, domestic, total .... do	8,316	8,680	9,001	10,406	9,633	10,376	9,332	9,352	10,101	8,650	9,645	9,637	r 9,492
General use food:													
Narrow neck food .... do	928	865	962	1,287	1,309	971	744	723	743	679	918	1,050	1,007
Wide mouth food (incl. packers tumblers) .... do	1,650	2,502	[1] 2,629	[1] 3,217	2,864	[1] 3,204	2,978	[1] 2,881	[1] 3,078	[1] 2,445	2,481	2,307	r 2,079
Beverage .... do	1,093	653	595	615	529	571	517	513	623	569	760	853	962
Beer bottles .... do	1,616	415	374	417	460	576	573	639	832	804	1,140	1,342	r 1,697
Liquor and wine .... do	663	1,059	1,146	1,252	1,216	1,408	1,372	1,342	1,420	1,262	1,293	993	r 761
Medicinal and toilet .... do	1,309	1,899	1,975	2,221	2,051	2,491	2,099	2,227	2,295	1,947	1,906	1,967	1,844
General purpose (chem., household, indus.) .... do	433	663	676	717	582	687	658	651	725	620	658	610	r 573
Dairy products .... do	305	280	284	332	314	364	318	331	359	286	356	354	341
Fruit jars and jelly glasses .... do	320	346	[1] 360	[1] 347	309	[1] 105	73	[1] 44	[1] 25	[1] 38	133	161	227
Stocks, end of month .... do	6,854	3,729	3,911	3,917	3,940	3,906	3,905	3,591	4,167	4,554	5,141	5,475	r 6,085
Other glassware, machine-made:													
Tumblers:†													
Production .... thous. of doz	6,210	7,389	6,070	7,891	6,711	7,763	6,848	6,470	7,586	4,835	6,272	6,339	6,769
Shipments .... do	5,261	6,347	5,984	7,946	6,078	7,657	6,527	6,242	6,352	4,736	5,975	6,140	6,234
Stocks .... do	7,729	4,920	4,997	4,784	5,352	5,326	5,544	4,879	5,095	6,478	5,575	6,262	6,672
Table, kitchen, and householdware, shipments † thous. of doz	3,331	3,847	3,553	4,335	3,645	5,000	3,168	2,298	4,489	2,668	2,213	3,454	3,658
Plate glass, polished, production .... thous. of sq. ft	21,026	16,316	18,409	16,803	21,142	23,271	20,781	18,411	21,980	20,268	22,605	21,419	21,171
GYPSUM AND PRODUCTS													
Crude gypsum:													
Imports♂ .... short tons	--------	300,815	--------	--------	571,871	--------	--------	541,733	--------	--------	186,199	--------	--------
Production .... do	--------	1,306,845	--------	--------	1,522,455	--------	--------	1,642,030	--------	--------	1,557,162	--------	--------
Calcined, production .... do	--------	946,851	--------	--------	1,172,746	--------	--------	1,249,901	--------	--------	1,163,981	--------	--------
Gypsum products sold or used:													
Uncalcined .... do	--------	408,263	--------	--------	389,021	--------	--------	472,603	--------	--------	519,788	--------	--------
Calcined:													
For building uses:													
Base-coat plasters .... do	--------	331,237	--------	--------	422,025	--------	--------	482,306	--------	--------	386,830	--------	--------
Keene's cement .... do	--------	8,295	--------	--------	8,392	--------	--------	9,871	--------	--------	11,833	--------	--------
All other building plasters .... do	--------	91,524	--------	--------	103,442	--------	--------	115,806	--------	--------	109,089	--------	--------
Lath .... thous. of sq. ft	--------	281,750	--------	--------	295,620	--------	--------	328,491	--------	--------	364,675	--------	--------
Tile .... do	--------	4,055	--------	--------	4,508	--------	--------	5,138	--------	--------	5,464	--------	--------
Wallboard⊕ .... do	--------	443,327	--------	--------	557,537	--------	--------	589,374	--------	--------	517,458	--------	--------
Industrial plasters .... short tons	--------	52,320	--------	--------	49,941	--------	--------	55,484	--------	--------	58,577	--------	--------
TEXTILE PRODUCTS													
CLOTHING													
Hosiery:													
Production .... thous. of dozen pairs	--------	13,002	11,984	13,545	13,204	14,554	13,289	12,122	14,592	13,171	12,921	13,029	11,672
Shipments .... do	--------	13,140	11,008	12,135	13,519	15,138	13,583	11,953	13,394	12,529	12,711	12,535	11,269
Stocks, end of month .... do	--------	15,971	16,854	18,129	17,720	17,087	16,722	16,802	18,464	18,642	18,853	19,346	19,749
COTTON													
Cotton (exclusive of linters):													
Consumption .... bales	728,251	792,317	729,603	855,511	818,449	931,229	877,461	774,177	947,036	840,463	875,124	882,880	827,234
Exports♂ .... do	--------	409,926	366,510	413,395	242,177	103,781	455,342	361,370	289,672	385,050	382,909	275,104	248,549
Imports♂ .... do	--------	16,355	27,694	17,896	40,984	36,201	51,218	14,630	10,543	10,381	12,083	9,898	10,730
Prices received by farmers † .... dol. per lb	.341	.260	.308	.336	.353	.377	.292	.300	.297	.306	.319	.323	.335
Prices, wholesale, middling, 15/16", average, 10 markets dol. per lb	.372	.292	.334	.355	.369	.361	.309	.324	.319	.333	.352	.351	.360
Production:													
Ginnings§ .... thous. of running bales	--------	--------	162	532	2,334	5,725	7,366	7,783	8,166	--------	[2] 8,513	--------	--------
Crop estimate, equivalent 500-lb. bales thous. of bales	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	[2] 8,637	--------	--------
Stocks, domestic cotton in the United States, end of month:‡													
Warehouses .... thous. of bales	1,168	5,320	4,414	3,785	4,280	5,845	6,161	5,939	5,192	4,243	3,319	2,469	1,797
Mills .... do	1,599	2,179	2,179	1,983	1,865	1,928	2,019	2,125	2,159	2,161	2,135	2,040	1,862
Cotton linters:													
Consumption .... do	73	84	94	87	75	79	82	79	94	80	87	85	80
Production .... do	23	15	14	26	74	162	169	129	136	97	68	51	34
Stocks, end of month .... do	382	399	347	285	292	349	388	437	472	485	483	466	423
COTTON MANUFACTURES													
Cotton cloth:													
Cotton broad woven goods over 12 inches in width, production, quarterly* .... mil. of linear yards	--------	2,299	--------	--------	2,190	--------	--------	2,359	--------	--------	2,470	--------	--------
Cotton goods finished, quarterly:*													
Production, total .... do	--------	1,788	--------	--------	1,604	--------	--------	1,810	--------	--------	1,792	--------	--------
Bleached .... do	--------	878	--------	--------	765	--------	--------	897	--------	--------	901	--------	--------
Plain dyed .... do	--------	467	--------	--------	449	--------	--------	492	--------	--------	489	--------	--------
Printed .... do	--------	443	--------	--------	390	--------	--------	421	--------	--------	402	--------	--------
Exports♂ .... thous. of sq. yds	--------	68,310	57,382	59,444	41,109	41,201	68,907	99,872	86,338	86,808	123,375	138,196	146,686
Imports♂ .... do	--------	3,607	5,443	3,581	2,311	2,459	1,792	2,190	1,687	1,123	888	907	1,135
Prices, wholesale:													
Mill margins .... cents per lb	46.46	22.01	[4] 24.97	25.93	27.40	30.86	40.78	47.72	51.60	52.36	53.37	51.25	47.86
Denims, 28-inch .... dol. per yd	.338	.256	.280	.312	.323	.338	.338	.338	.338	.338	.338	.338	.338
Print cloth, 64 x 60● .... do	.228	.114	.126	.134	.140	.146	.147	.185	.192	.248	.255	.227	.216
Sheeting, unbleached, 36-inch, 56 x 56⊙ .... do	.232	.138	.138	.165	.172	.180	.180	(3)	(3)	.240	.245	.232	.232

r Revised. [1] Jelly glasses included with wide mouth food containers. [2] Total ginnings of 1946 crop. [3] Not available.
[4] Based on cloth prices for July 24, 1946, from the "Textile Apparel Analysis" for first 3 weeks of the month and O. P. A. ceilings for last week.
● Data continue the series shown in the Survey through the October 1943 issue; this construction was discontinued during the war period.
⊙ This series was substituted in the November 1943 Survey for the price of 56 x 60 sheeting, production of which was discontinued during the war period.
§ Total ginnings to end of month indicated. ⊕ Includes laminated board reported as component board; this is a new product not produced prior to 1942.
♂ Data continue series published in the 1942 Supplement but suspended during the war period; data for October 1941–February 1945 will be published later.
‡ See note in February 1947 Survey for source of August 1941–March 1942 revisions and total cotton stocks in the United States July 31, 1946.
*New series. For a brief description of the data for cotton broad woven goods and 1943 figures see p. S-35 of August 1944 Survey and for 1939-45 data for cotton goods finishing, p. 23 of August 1946 issue.
† 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; glass container data since October 1945 are from the Bureau of the Census. For revisions for August 1937–July 1942 for farm price of cotton, see p. S-35 of June 1944 Survey.

TEXTILE PRODUCTS—Continued

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1947	1946							1947				
	June	June	July	August	September	October	November	December	January	February	March	April	May
COTTON MANUFACTURES—Continued													
Cotton cordage, rope, and twine production, quarterly* thous. of lb		31,488			29,201			29,855					
Cotton yarn:													
Production (sale yarn), total* do		217,783			212,941			218,508					
Carded and combed yarns:													
Weaving do		79,874			81,254			84,835					
Machine knitting do		73,614			69,878			73,005					
Thread do		9,272			9,478			9,472					
All other carded and combed do		42,802			40,998			40,112					
Cotton-rayon and other mixed fiber do		12,221			11,333			11,084					
Prices, wholesale:													
Southern, 22/1, cones, carded, white, for knitting (mill)† dol. per lb	.706	.543	.599	.643	.671	.699	.699	.699	.699	.699	.699	.715	.715
Southern, 40s, single, carded (mill) do	[1].882	.672	.672	.756	.804	.834	[1].819	[1].819	[1].819	[1].819	[1].819	[1].882	[1].882
Spindle activity:													
Active spindles thousands	21,324	21,944	21,984	22,019	21,639	21,754	21,524	21,688	21,919	21,954	21,953	21,805	21,624
Active spindle hours, total mil. of hr	9,103	8,807	8,007	9,449	9,037	10,143	9,499	8,671	10,588	9,590	10,030	10,243	9,928
Average per spindle in place hours	382	369	336	396	379	424	397	362	444	402	421	428	415
Operations pct. of capacity	113.6	115.4	95.3	112.4	114.4	116.2	119.6	107.8	123.3	125.6	125.4	121.7	119.7
RAYON AND MANUFACTURES													
Yarn and staple fiber:													
Consumption:													
Filament yarn mil. of lb	53.8	51.8	52.0	57.3	54.2	59.6	58.0	55.9	62.4	56.3	60.0	60.0	r 59.5
Staple fiber do	15.4	14.1	15.6	15.0	14.0	15.7	13.0	12.9	15.1	14.9	16.2	r 18.3	r 18.4
Imports§ thous. of lb		3,428	3,653	3,369	2,423	3,108	3,708	4,277	5,770	4,326	4,350	4,233	2,501
Prices, wholesale:													
Yarn, viscose, 150 denier, first quality, minimum filament dol. per lb	.690	.550	.550	.550	.550	.550	.585	.620	.620	.690	.690	.690	.690
Staple fiber, viscose, 1½ denier do	.320	.250	.250	.250	.250	.250	.265	.280	.280	.320	.320	.320	.320
Stocks, producers', end of month:													
Filament yarn mil. of lb	8.4	7.3	8.7	8.4	9.1	9.7	9.7	6.0	7.3	6.9	7.0	7.7	r 8.5
Staple fiber do	6.1	1.8	2.2	2.3	2.6	2.6	2.5	1.6	2.7	2.3	3.1	2.9	3.8
Rayon goods, production, quarterly:*													
Broad woven goods thous. of linear yards		439,178			408,204			428,131			462,579		
Finished, total do		454,322			384,574			439,912			465,260		
White finished do		51,659			41,669			50,587			64,123		
Plain dyed do		299,498			267,185			299,595			299,072		
Printed do		103,165			75,720			89,730			102,065		
WOOL													
Consumption (scoured basis):¶													
Apparel class thous. of lb		49,604	50,750	49,788	49,900	63,375	48,156	46,656	57,750	48,944	45,724	r 52,970	38,468
Carpet class do		10,268	9,135	10,308	10,260	13,435	11,492	11,752	14,250	13,088	13,676	r 15,995	13,464
Imports§ do		73,717	103,453	89,723	85,658	70,236	66,177	56,553	73,614	57,705	67,528	63,291	62.112
Prices, wholesale:													
Raw, territory, 64s, 70s, 80s, fine, scoured* dol. per lb	1.225	.995	.995	.995	.995	1.037	1.106	1.145	1.155	1.165	1.195	1.225	1.225
Raw, bright fleece, 56s, greasy* do	.565	.465	.465	.465	.465	.480	.490	.530	.530	.545	.555	.565	.565
Australian, 64–70s, good top making, scoured, in bond (Boston)* dol. per lb	1.002	.745	.745	.745	.745	.757	.789	.850	.850	.850	.872	.939	.990
Stocks, scoured basis, end of mo., total† thous. of lb		567,349			597,502			544,729			497,732		
Apparel, total† do		466,489			490,847			442,224			404,228		
Domestic† do		264,897			297,499			273,916			244,579		
Foreign† do		201,592			193,348			168,308			159,649		
Carpet† do		100,860			106,655			102,505			93,504		
WOOL MANUFACTURES													
Machinery activity (weekly average):¶													
Looms:													
Woolen and worsted:													
Broad thous. of active hours		2,640	2,159	2,608	2,592	2,687	2,551	2,547	2,503	2,632	2,516	[2] r 2,322	[2] 2,198
Narrow do		86	68	84	86	86	85	77	75	70	66	47	46
Carpet and rug:													
Broad do		107	78	106	105	113	110	113	109	118	127	131	130
Narrow do		94	70	94	93	101	100	102	101	114	114	r 117	117
Spinning spindles:													
Woolen do		123,986	98,191	123,886	120,847	122,605	117,164	112,558	108,636	108,936	99,693	r 88,402	83,102
Worsted do		114,293	89,145	110,807	112,153	118,212	112,384	114,515	114,434	123,186	122,115	r 118,421	112,346
Worsted combs do		220	177	217	223	230	221	226	227	245	245	r 236	223
Woolen and worsted woven goods (except woven felts):*													
Production, quarterly, total thous. of lin. yards		154,414			146,588			156,907			144,286		
Apparel fabrics do		134,017			127,201			137,358			125,733		
Men's wear do		58,093			55,026			61,309			61,143		
Women's and children's wear do		60,734			56,859			61,037			49,270		
General use and other fabrics do		15,190			15,316			15,012			15,320		
Blankets do		12,077			11,833			12,211			11,126		
Other nonapparel fabrics do		8,320			7,554			7,338			7,427		
Wool yarn:													
Production total*¶ thous. of lb		75,255	73,316	75,383	72,968	92,938	71,308	68,303	82,915	68,768	65,276	r 73,355	55,848
Knitting*¶ do		12,987	12,968	12,871	12,420	15,509	11,495	10,568	12,495	9,712	8,756	r 8,845	6,312
Weaving*¶ do		51,676	50,744	51,864	50,348	63,591	48,415	46,486	56,615	46,624	43,624	r 49,425	37,012
Carpet and other*¶ do		10,592	9,604	10,648	10,200	13,838	11,398	11,249	13,805	12,432	12,896	15,085	12,524
Price, wholesale, worsted yarn, 2/32s (Boston) dol. per lb	1.950	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.950	1.950	1.950	1.950	1.950
MISCELLANEOUS PRODUCTS													
Fur, sales by dealers thous. of dol		4,236	3,103	4,813	7,553	4,640	3,332						
Pyroxylin-coated fabrics:‡													
Orders, unfilled, end of month thous. lin. yd	7,778	13,468	13,800	13,589	13,281	12,914	12,354	13,194	12,531	12,152	11,458	9,928	8,177
Pyroxylin spread thous. of lb	4,557	5,748	5,651	6,972	6,287	7,480	7,205	7,058	7,754	7,201	6,534	6,667	5,726
Shipments, billed thous. lin. yd	6,034	7,653	7,371	8,552	7,151	9,867	9,217	9,135	9,423	8,386	7,897	8,419	7,121

r Revised. [1] Quotations are for cotton yarn twisted, 40/1, carded, and are not comparable with data prior to November 1946; comparable October 1946 figure, $0.819.

[2] Data exclude operations of pile and Jacquard looms amounting to 91,000 (revised) and 81,000 hours (weekly average) for April and May, respectively.

¶Data for April, July, and October 1946 and January and April 1947 are for 5 weeks; other months 4 weeks.

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

‡See note in the April 1946 Survey with regard to changes in these series; data related to cotton fabrics only prior to August 1945.

†Revised series. See p. S–35 of the November 1942 Survey for 1941 data for the yarn price series and p. S–35 of the May 1943 issue regarding a change in the coverage of the wool stocks series; stocks were revised in the March 1947 Survey to include corrections and to transfer wool 40s and below to apparel class; revised data for 1942–45 will be shown later; stocks include wool held by Commodity Credit Corporation but exclude foreign wool held by Defense Supplies Corporation.

*New series. For 1939 and 1943–45 data for rayon goods finishing, see p. 23 of the August 1946 Survey. Data for rayon woven goods production, cotton cordage, rope, and twine, cotton sale yarn and wool yarn production are from the Bureau of the Census and represent virtually complete coverage; data beginning 1943 will be shown later; collection of data for cotton cordage, etc., and cotton yarn has been discontinued; the wool yarn series are for 4- and 5-week periods; data were revised in the July 1947 Survey to exclude production of wool content yarn spun on other than woolen and worsted systems, which are no longer collected and to transfer data for "roving yarn for sale" from "carpet and other" to "knitting". The price series for Australian wool is from the Department of Agriculture; prices are before payment of duty; data beginning 1936 will be shown later; 1939–43 data for the other wool price series are on p. 24 of the February 1945 Survey. For available data for 1937–43 for woolen and worsted goods production, see p. 19 of May 1945 Survey.

Unless otherwise stated, statistics through 1941 and descriptive notes may be found in the 1942 Supplement to the Survey	1947	1946							1947				
	June	June	July	August	September	October	November	December	January	February	March	April	May
TRANSPORTATION EQUIPMENT													
MOTOR VEHICLES													
Exports, assembled, total§ ... number	--------	23,644	23,694	32,203	27,371	23,017	47,708	41,158	40,268	41,678	54,765	57,291	61,484
Passenger cars§ ... do	--------	7,013	10,518	14,937	12,477	11,832	22,496	16,257	19,742	19,321	25,666	26,711	29,540
Trucks§ ... do	--------	16,631	13,176	17,266	14,894	11,185	25,212	24,901	20,526	22,357	29,099	30,580	31,944
Factory sales, total§ ... do	401,552	201,902	297,633	346,209	328,795	391,727	371,156	375,719	r 347,696	r 373,360	r 421,180	r 423,399	r 382,640
Coaches, total ... do	1,628	774	862	1,067	833	975	1,146	1,438	r 1,273	r 1,303	1,421	1,650	1,853
Domestic ... do	1,409	751	833	867	758	923	1,102	1,339	r 1,115	r 1,090	1,272	1,465	r 1,599
Passenger cars, total ... do	305,943	141,090	209,180	247,261	232,280	283,586	269,081	266,665	r 246,665	r 267,015	r 301,525	r 314,765	r 284,357
Domestic ... do	281,867	131,284	195,158	229,083	218,645	263,236	250,379	244,931	r 226,695	r 245,081	r 280,018	r 291,953	r 261,240
Trucks, total ... do	93,981	60,038	87,591	97,881	95,682	107,166	100,929	107,616	r 99,818	r 105,042	r 118,234	r 106,984	r 96,430
Domestic ... do	73,693	50,247	72,102	78,283	77,501	88,207	79,138	82,774	r 77,434	r 83,276	r 92,082	r 83,515	r 75,696
Production:*													
Passenger cars ... do	--------	142,313	220,321	241,302	239,412	285,606	261,007	262,076	252,100	263,998	302,954	--------	--------
Trucks and truck tractors, total (incl. military) ... do	--------	58,739	93,458	105,516	92,014	109,953	100,552	101,484	102,727	114,909	117,217	--------	--------
Civilian, total ... do	--------	58,739	93,458	105,516	92,014	109,953	100,552	101,484	102,727	114,909	117,217	--------	--------
Heavy ... do	--------	4,066	5,995	4,840	6,071	8,940	8,401	7,691	10,458	9,250	11,445	--------	--------
Medium ... do	--------	18,608	49,529	57,062	44,559	51,175	50,158	51,825	48,978	57,757	56,137	--------	--------
Light ... do	--------	36,065	37,934	43,614	41,384	49,838	41,993	41,968	43,291	47,902	49,635	--------	--------
Truck trailers, production, total* ... do	--------	5,033	5,966	7,650	6,578	8,731	7,449	6,886	7,523	6,570	5,942	5,277	4,646
Complete trailers ... do	--------	4,459	5,654	7,207	6,143	8,153	7,051	6,506	7,206	6,236	5,568	r 4,973	4,446
Vans ... do	--------	1,983	2,287	3,091	2,679	3,987	3,147	3,461	3,762	3,258	2,662	2,106	1,658
All other ... do	--------	2,476	3,367	4,116	3,464	4,166	3,904	3,045	3,444	2,978	2,906	r 2,867	2,788
Chassis shipped as such ... do	--------	574	312	443	435	578	398	380	317	334	374	304	200
Registrations:§													
New passenger cars ... do	--------	[1] 493,299	172,961	199,316	219,281	225,180	230,424	274,735	209,063	214,333	264,714	--------	--------
New commercial cars ... do	--------	46,488	53,657	62,820	69,565	74,708	63,978	69,453	62,477	63,752	79,344	--------	--------
RAILWAY EQUIPMENT													
American Railway Car Institute:													
Shipments:													
Freight cars, total ... number	5,243	2,662	3,098	4,625	3,915	5,957	7,188	6,737	6,991	7,575	8,816	8,873	6,409
Domestic ... do	4,230	2,094	2,570	4,234	3,244	3,057	2,442	2,056	2,265	1,784	2,439	3,489	3,131
Passenger cars, total‡ ... do	67	56	61	68	69	45	60	60	58	69	53	73	60
Domestic‡ ... do	63	56	61	68	34	45	60	60	58	69	53	73	60
Association of American Railroads:													
Freight cars, end of month:													
Number owned ... thousands	1,734	1,749	1,748	1,748	1,746	1,743	1,742	1,740	1,740	1,738	1,736	1,736	1,734
Undergoing or awaiting classified repairs ... do	77	78	80	74	73	67	67	67	66	68	69	72	77
Percent of total on line	4.7	4.7	4.7	4.4	4.3	4.0	4.0	4.0	4.0	4.1	4.2	4.3	4.6
Orders, unfilled ... cars	93,159	36,058	41,417	42,714	53,727	52,817	54,413	54,778	60,529	66,353	78,080	84,288	89,554
Equipment manufacturers ... do	68,675	28,683	34,609	35,367	37,213	36,942	39,179	38,716	44,144	49,934	60,446	63,935	66,466
Railroad shops ... do	24,484	7,375	6,808	7,347	16,514	15,875	15,234	16,062	16,385	16,419	17,634	20,353	23,088
Locomotives, end of month:													
Steam, undergoing or awaiting classified repairs ... number	2,735	3,179	3,298	3,217	3,195	3,147	3,204	3,137	3,175	3,131	3,045	3,011	2,832
Percent of total on line	7.6	8.3	8.7	8.5	8.5	8.4	8.5	8.4	8.6	8.5	8.3	8.3	7.8
Orders unfilled:													
Steam locomotives, total ... number	--------	86	76	69	65	67	65	64	53	45	52	36	30
Equipment manufacturers ... do	--------	70	60	55	53	57	57	57	48	42	51	36	30
Railroad shops ... do	--------	16	16	14	12	10	8	7	5	3	1	0	0
Other locomotives, total* ... do	--------	529	528	487	490	506	499	540	586	635	588	626	718
Equipment manufacturers* ... do	--------	515	514	473	490	506	499	540	586	635	588	626	717
Railroad shops* ... do	--------	14	14	14	0	0	0	0	0	0	0	0	1
Exports of locomotives, total§ ... do	--------	286	227	236	114	92	253	192	195	188	186	143	262
Steam§ ... do	--------	208	174	140	66	58	141	49	78	127	73	71	133
Other§ ... do	--------	78	53	96	48	34	112	143	117	61	113	72	129
INDUSTRIAL ELECTRIC TRUCKS AND TRACTORS													
Shipments, total ... number	--------	273	258	265	229	311	276	330	320	273	320	420	349
Domestic ... do	--------	260	247	245	220	293	258	306	294	251	283	377	307
Exports ... do	--------	13	11	20	9	18	18	24	26	22	37	43	42
CANADIAN STATISTICS													
Physical volume of industrial production, adjusted:													
Combined index† ... 1935-39=100	--------	156.4	153.5	149.7	152.1	157.6	165.6	167.9	173.8	176.3	177.1	177.6	174.8
Electric power† ... do	--------	164.5	168.2	164.3	155.2	155.3	154.0	158.3	173.5	172.5	174.2	174.6	180.4
Manufacturing† ... do	--------	165.4	161.7	157.8	160.5	167.8	177.6	179.2	184.9	189.0	188.5	188.9	185.6
Mining† ... do	--------	100.5	98.5	95.5	102.7	100.9	104.1	109.5	110.4	106.8	113.3	115.3	110.3
Distribution, combined index† ... do	--------	178.0	178.6	183.4	175.0	168.1	183.6	200.2	208.2	181.9	179.7	--------	--------
Agricultural marketings, adjusted:†													
Combined index ... do	--------	97.1	146.6	132.8	97.2	106.8	121.7	108.2	134.7	77.7	96.5	--------	--------
Grain ... do	--------	92.9	148.4	133.2	96.5	103.2	115.1	98.1	140.4	70.2	97.6	--------	--------
Livestock ... do	--------	115.4	138.7	131.0	68.5	122.5	150.5	152.2	109.5	103.7	91.4	--------	--------
Commodity prices:													
Cost of living ... do	134.9	123.6	125.1	125.6	125.5	126.8	127.1	127.1	127.0	127.8	128.9	130.6	133.1
Wholesale prices ... 1926=100	127.8	109.3	109.7	109.3	109.2	111.0	111.6	112.0	114.2	118.1	120.4	122.9	125.3
Railways:													
Carloadings ... thous. of cars	--------	291	305	325	324	371	349	295	302	270	306	311	345
Revenue freight carried 1 mile ... mil. of tons	--------	4,055	4,048	4,406	5,142	5,467	5,267	4,814	4,743	3,963	5,259	4,972	--------
Passengers carried 1 mile ... mil. of passengers	--------	420	484	501	373	292	279	341	287	241	268	276	--------

r Revised. [1] Total for January–June; monthly data not available.

‡Data for October 1945–January 1946 and April 1946 include converted troop kitchens and troop sleepers.

§Data continue series published in the 1942 Supplement, except that changes have been made in the classifications in some instances. Data for exports of "total locomotives" and "other locomotives" were revised in the May 1946 Survey (see note in that issue); data through February 1945 for the revised series and for October 1941–February 1945 for the other export series will be published later. In the factory sales data, coaches were formerly included with trucks and changes have been made in the classification of certain special type vehicles; revised monthly figures for 1940–41 and annual totals for 1942–45 are shown on p. 24 of the June 1947 Survey; the factory sales figures include certain types of vehicles (for example, half-tracks) not included in the production figures above. Revised figures for new car registrations beginning 1940 for commercial cars and 1941 for passengers cars through March 1942 will also be published; R. L. Polk Co., source of these data, did not report registrations for April 1942–December 1945.

*New series. See note in the September 1945 Survey for a description of the data for trucks and tractors; data beginning 1936 will be published later. Data beginning July 1945 for passenger car production are on p. S-40 of the September 1946 Survey; there was no production April 1942–June 1945. Collection of data for production of passenger cars and trucks has been discontinued. Data for unfilled orders of "other locomotives" are for class I railroads and include electric, Diesel-electric, and Diesel; data beginning 1939 will be shown later. Data for truck trailers are from the Bureau of the Census and are industry totals; annual total production for 1939–41 and monthly figures for 1942–45 will be published later.

† Revised series. The Canadian index of industrial production has been completely revised beginning 1935; earlier data are in process of revision. The number of industries and products represented in the index has been greatly increased and the construction component has been omitted in view of the inadequacy of current data. Revised indexes for distribution and agricultural marketings have been shown beginning in the December 1942 issue.

U. S. GOVERNMENT PRINTING OFFICE: 1947

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