

# Construction

## DURING FIVE DECADES

HISTORICAL STATISTICS, 1907-52

**Bulletin No. 1146.**

**UNITED STATES DEPARTMENT OF LABOR**  
**James P. Mitchell-Secretary**

**BUREAU OF LABOR STATISTICS**  
**Ewan Clague - Commissioner**





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Letter of Transmittal

UNITED STATES DEPARTMENT OF LABOR,  
BUREAU OF LABOR STATISTICS,  
Washington, D. C., December 15, 1953.

THE SECRETARY OF LABOR:

I have the honor to transmit herewith a report on construction activity during the twentieth century. This publication provides historical statistics through 1952 for each of the series on construction prepared in the Department of Labor, and is the latest of the annual reports on construction which the Bureau of Labor Statistics has been publishing since 1921. Data are shown from the earliest year available, and for several of the series cover a span of 35 to 40 or more years.

EWAN CLAGUE, Commissioner.

Hon. JAMES P. MITCHELL,  
Secretary of Labor.

## Introduction

This is the first Bureau of Labor Statistics publication to present under one cover the complete historical span of all of the series on construction developed in the Department of Labor. It is a handbook of historical construction statistics, covering virtually all currently prepared statistical series that contribute to an understanding of the economics of construction and housing.

The Bureau of Labor Statistics has devoted special attention to construction, because it is the nation's primary capital goods industry, requiring huge manpower and materials resources, and because the complexity and diversity of construction operations create unique statistical problems. The Construction Statistics Division of the Bureau has studied construction activity since 1920. Other Divisions of the Bureau that prepare general economic series such as prices, wages, and employment, have developed specialized statistics for the construction industry, including the wholesale price index for all building materials; the index of union wage rates in the building trades; and the series on employment, hours, and earnings of workers employed by the several types of construction contractors.

Data are presented in this bulletin through 1952, the latest year for which final revised statistics were available for all series at the time of publication. The techniques used in compiling the statistics presented in this bulletin are described in reports listed among the "Selected References" (p. 75).

## Summary of construction trends

Except in wartime, construction activity in the 20th century has moved

broadly in the same direction as the general economy, but with greater swings so that the proportion of national dollar outlays accounted for by construction increased in a rising economy and declined in a falling one (chart, p. vi). Building costs (as measured by building materials prices and wages) tended to move with the economy also, but not as closely; they did not fluctuate as widely as construction activity or national production (chart, p. vii). In wartime, on the other hand, while national output expanded and building costs rose, controls imposed on construction nonessential to the war effort dampened the rise in construction expenditures during World War I, and caused a sharp drop in World War II.

Thus, expenditures for new construction plummeted from \$12 billion in the flourishing twenties to \$3 billion in the trough of the thirties (a 75-percent reduction), and then reached \$14 billion (nearly 5 times the 1933 rate) at the beginning of United States participation in World War II in 1942. In contrast, the gross national product dropped from the twenties to the thirties by less than 50 percent (from \$98 billion to \$56 billion) and then about tripled by 1942.

One exception to the general peacetime trend occurred in the latter 1920's when the economy was approaching the crest of a major business cycle. Materials prices, and particularly the price of lumber, declined almost continuously from 1924, counter to the broad economic trend; construction activity started down in 1927, well in advance of the 1930 slump, while wage rates continued to rise until 1931. On the other hand, the post World War II rise in construction activity and wages was not interrupted by the recession in 1949, even though building materials prices declined, along with other commodity prices.

## Post World War II trends

Construction activity after World War II rose to successive annual record levels not matched even during the previous peak construction activity of the 1920's. Total dollar expenditures for new construction nearly tripled between 1946 and 1952, climbing from \$12 billion to \$32-2/3 billion. Work actually put in place (expenditures adjusted for price changes) almost doubled. At the same time, the gross national product increased by about two-thirds.

The chief postwar influences behind this extraordinary expansion of the Nation's physical plant have been extensive population increase and mobility, and rising personal and business incomes and savings. These were coupled with a huge backlog of demand resulting from underbuilding during the thirties and restrictions on construction during World War II.

Mounting construction activity in a flourishing economy is reflected directly in construction employment and payrolls. Construction contractors employed an average of over 2-1/2 million workers in 1951 and 1952, over a million more than at the close of World War II. The average workweek in 1952, at 38.1 hours, was unsurpassed except during the war period, and average hourly earnings at \$2.31 was double the average during the height of war construction in 1942, and two-thirds higher than at the war's close.

The continuous rise in total new construction activity since World War II obscures diverse trends among the various types of work. School, highway, and public utility construction advanced to successive yearly peaks from 1946 to 1952 despite the recession in 1949 and significant changes in materials prices. These are types of construction that were not greatly limited by the Government's materials

control program during the Korean emergency, and for which pressures from population expansion and mobility were intense. Similarly, sewer and water facilities construction also increased almost without interruption.

On the other hand, although we entered the postwar period with the worst housing shortage in history, the rate of private homebuilding has been greatly affected by the numerous economic and regulatory changes that have occurred. Thus, the postwar momentum in housing activity was held back temporarily in 1948 even after materials and labor shortages were overcome, because of a sharp rise in prices that resulted in a tight mortgage market, and a 5-month lapse in emergency FHA mortgage-insurance authorizations. Consequently, although the number of dwelling-unit starts rose in 1948, the rise was far less than might have occurred, considering the substantial and unhampered productive capacity and the substantial effective demand. The number of housing starts in 1948 (931,600) was a shade under the 1925 crest of 937,000.

The ground was actually laid in 1949 for the extraordinary 1950 record of 1,396,000 housing starts. Accumulated wartime savings and housing needs met with declining costs, greatly liberalized legislation governing FHA and VA-assisted loans (passed in August 1948), a very easy mortgage market, and a Government and industry-sponsored program that emphasized the construction of low and moderate-priced homes. The peak of this unprecedented construction activity was reached in the summer of 1950, culminating an almost steady rise in housing starts (seasonally adjusted) that began in January 1949. This housing rate would undoubtedly have continued for some time under the conditions then current. Instead, activity dropped sharply in 1951, because of

emergency Government controls on materials and credit imposed in the fall of 1950 after the outbreak of Korean hostilities, and the shortage of mortgage money following Federal Reserve Board withdrawal of support from the government bond market in March 1951. Despite these limiting conditions, as well as rising costs and a tendency to build an increasing proportion of high-priced dwellings beyond the reach of the mass market, over a million dwelling units a year were started and occupied both in 1951 and 1952.

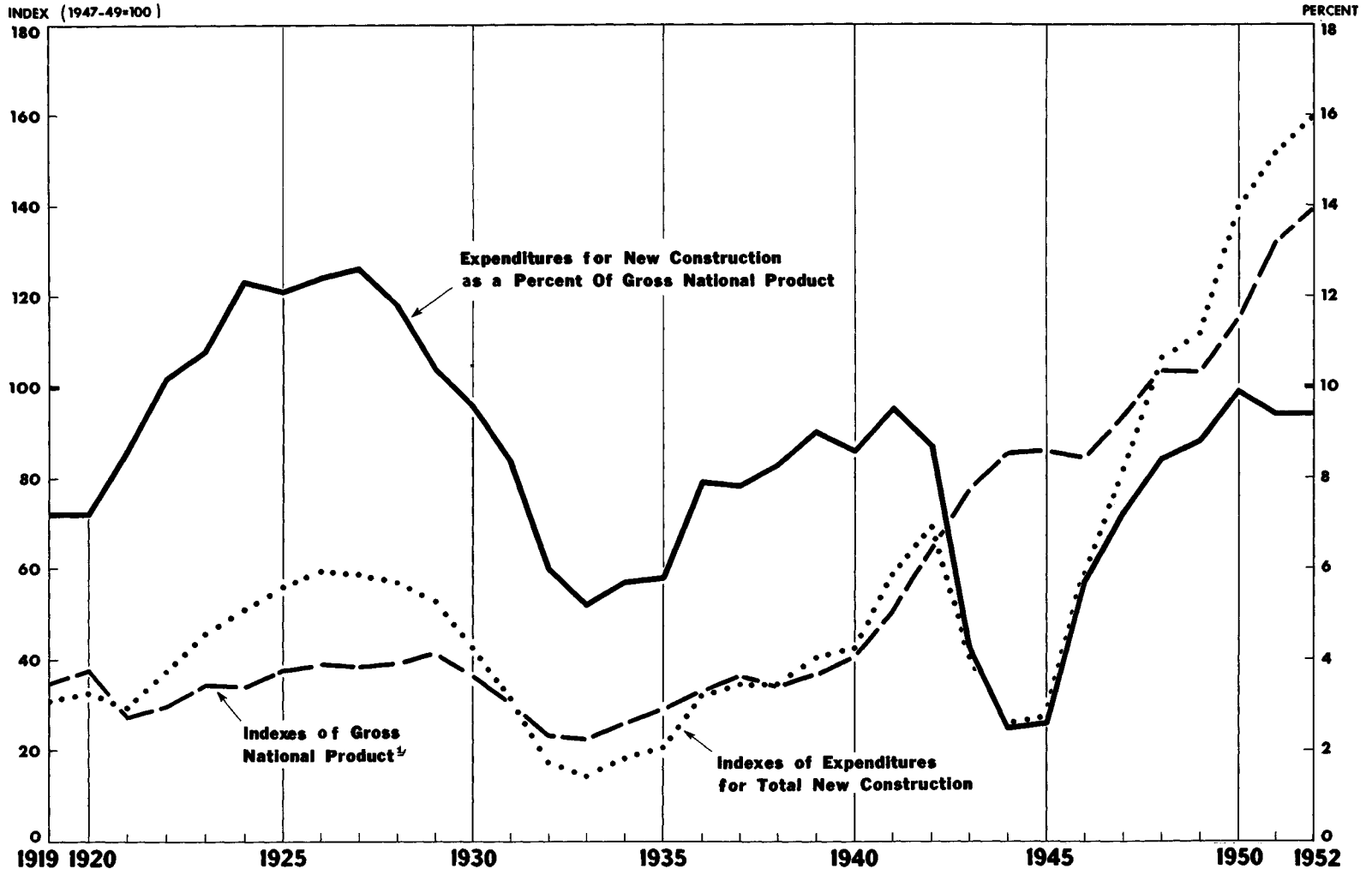
In contrast to housing, the immediate postwar upswing in private industrial building was set back by the 1949 recession. Afterward, however, plant construction advanced sharply, creating capacity for defense production and the myriad of new peacetime products coming on the market. This

type of building was not affected greatly either by priorities assistance to housing in 1947 or by the post-Korean credit and materials controls. On the other hand, commercial building activity was effectively checked by these regulations. Thus, after relaxation of controls in the latter half of 1952, commercial building expanded rapidly to meet the accumulated needs of growing and changing neighborhoods.

The trend of public defense construction was determined by international developments. Military, naval, and public industrial building declined immediately after World War II but revived dramatically in 1951 and 1952 to fill the construction needs created by the Korean emergency and the accelerated defense program.

Chart 1.

# CONSTRUCTION IN THE NATIONAL ECONOMY, 1919-52



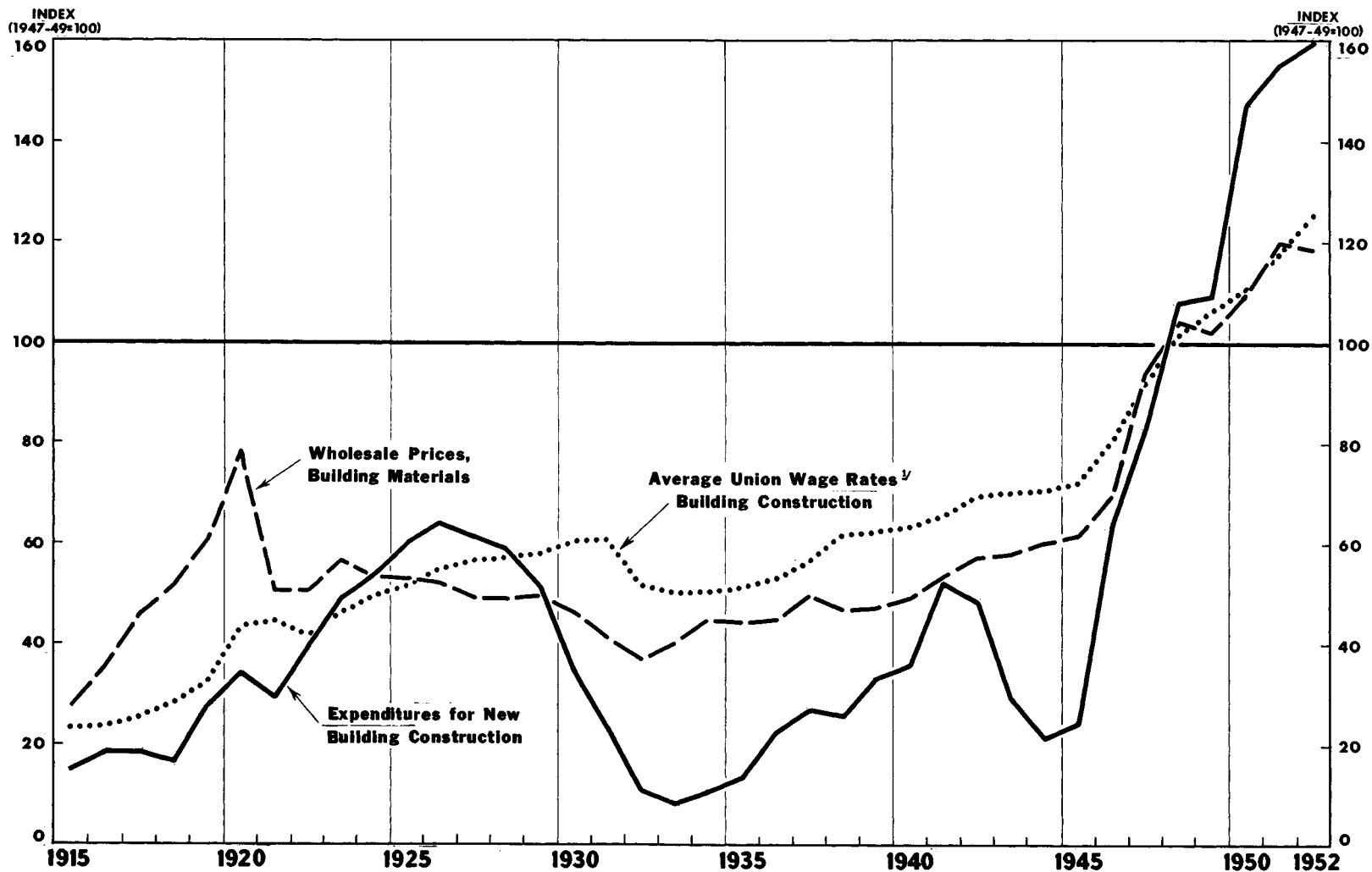
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1/ Source: U. S. Department of Commerce.



Chart 2.

## TRENDS IN BUILDING CONSTRUCTION EXPENDITURES AND SELECTED COST INDICATORS, 1915-52



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<sup>v</sup>Average hourly earnings are a better measure of construction cost but are not used here because these data are not available prior to 1934. However, construction workers are highly unionized, and union wage-rate trends indicate movements in labor costs.



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Table 1.--Number of New Permanent Nonfarm Dwelling Units Started, by Location and Ownership, Annually 1910-52<sup>1</sup>

Period	Number of dwelling units						
	Total	Location		* Ownership			
		Urban	Rural nonfarm	Privately owned		Publicly owned	
				Total	Urban	Total	Urban
1910	475,000						
1911	480,000						
1912	490,000						
1913	455,000						
1914	445,000						
1915	475,000						
1916	480,000						
1917	230,000						
1918	120,000						
1919	330,000						
1920	247,000	196,000	51,000	247,000	196,000	0	0
1921	449,000	359,000	90,000	449,000	359,000	0	0
1922	716,000	574,000	142,000	716,000	574,000	0	0
1923	871,000	698,000	173,000	871,000	698,000	0	0
1924	893,000	716,000	177,000	893,000	716,000	0	0
1925	937,000	752,000	185,000	937,000	752,000	0	0
1926	849,000	681,000	168,000	849,000	681,000	0	0
1927	810,000	643,000	167,000	810,000	643,000	0	0
1928	753,000	594,000	159,000	753,000	594,000	0	0
1929	509,000	400,000	109,000	509,000	400,000	0	0
1930	330,000	236,000	94,000	330,000	236,000	0	0
1931	254,000	174,000	80,000	254,000	174,000	0	0
1932	134,000	64,000	70,000	134,000	64,000	0	0
1933	93,000	45,000	48,000	93,000	45,000	0	0
1934	126,000	49,000	77,000	126,000	49,000	0	0
1935	221,000	117,000	104,000	215,700	112,600	5,300	4,400
1936	319,000	211,000	108,000	304,200	197,600	14,800	13,400
1937	336,000	218,000	118,000	332,400	214,400	3,600	3,600
1938	406,000	262,000	144,000	399,300	255,300	6,700	6,700
1939	515,000	359,000	156,000	458,400	303,500	56,600	55,500
1940	602,600	396,600	206,000	529,600	333,200	73,000	63,400
1941	706,100	434,300	271,800	619,500	369,500	86,600	64,800
1942	356,000	227,400	128,600	301,200	184,900	54,800	42,500
1943	191,000	124,400	66,600	183,700	119,700	7,300	4,700
1944	141,800	96,200	45,600	138,700	93,200	3,100	3,000
1945	209,300	133,900	75,400	208,100	132,700	1,200	1,200
1946	670,500	403,700	266,800	662,500	395,700	8,000	8,000
1947	849,000	479,800	369,200	845,600	476,400	3,400	3,400
1948	931,600	524,900	406,700	913,500	510,000	18,100	14,900
1949	1,025,100	588,800	436,300	988,800	556,600	36,300	32,200
1950	1,396,000	827,800	568,200	1,352,200	785,600	43,800	42,200
1951	1,091,300	595,300	496,000	1,020,100	531,300	71,200	64,000
1952	1,127,000	609,600	517,400	1,068,500	554,600	58,500	55,000

<sup>1</sup> These estimates include prefabricated housing units, but exclude farm dwellings, conversions, dormitory accommodations, trailers, military barracks, and all temporary units. The housing starts estimates are based on: (1) building-permit records (which have been adjusted for lapsed permits and for lag between permit issuance and start of construction); (2) public construction contracts awarded; and (3) data from field surveys in places which do not require building permits. The data in this table refer only to dwelling units started, and not to dwelling units authorized (as shown in the section on "Urban Building").

The housing starts estimates contain some error because the figures are based partly on sample data. For example, if the estimate of nonfarm starts is 50,000, the chances are about 19 out of 20 that an actual enumeration would produce a figure between 48,000 and 52,000. Urban and rural nonfarm classifications for the years 1920-29 are based on 1930 Census definitions; for years 1930-52, on 1940 Census definitions.

\* For distribution of public units started in 1949-52, by ownership, see table 4.

# HOUSING

Table 2.--Number of New Permanent Nonfarm Dwelling Units Started by Ownership, and Seasonally Adjusted Estimates, Monthly 1939-52<sup>1</sup>

(in thousands)

Month	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952
Total nonfarm dwelling units														
Jan. ....	32.3	27.0	41.2	32.8	9.5	12.2	7.0	37.5	39.3	53.5	50.0	78.7	85.9	64.9
Feb. ....	30.7	34.8	43.7	51.3	10.2	11.8	7.9	42.4	42.8	50.1	50.4	82.9	80.6	77.7
Mar. ....	42.9	46.8	59.6	51.6	17.4	14.0	10.6	62.0	56.0	76.4	69.4	117.3	93.8	103.9
Apr. ....	42.9	56.5	74.5	48.8	15.3	13.0	12.4	67.0	67.1	99.5	88.3	133.4	96.2	106.2
May .....	53.3	57.7	69.7	25.9	19.6	15.4	14.6	67.1	72.9	100.3	95.4	149.1	101.0	109.6
June .....	45.9	50.0	73.7	23.0	17.7	15.2	18.6	64.1	77.2	97.8	95.5	144.3	132.5	103.5
July .....	44.2	57.4	73.6	22.3	17.6	13.0	17.0	62.6	81.1	95.0	96.1	144.4	90.5	102.6
Aug. ....	51.2	56.5	69.6	23.4	20.1	11.5	17.1	65.4	86.3	86.7	99.0	141.9	89.1	99.1
Sept. ....	42.4	57.8	65.0	22.8	16.3	9.6	20.1	57.6	93.8	82.3	102.9	120.6	96.4	100.8
Oct. ....	42.9	66.0	56.1	22.2	18.3	9.7	25.6	57.8	94.0	73.4	104.3	102.5	90.0	101.1
Nov. ....	45.1	48.5	46.6	16.7	15.9	9.2	29.3	47.7	79.7	63.7	95.5	87.3	74.5	86.1
Dec. ....	41.2	43.6	32.8	15.2	13.1	7.2	29.1	39.3	58.8	52.9	78.3	93.6	60.8	71.5
Privately owned dwelling units														
Jan. ....	29.7	24.1	36.5	27.8	9.3	12.2	7.0	36.9	38.2	52.5	46.3	77.8	82.2	61.4
Feb. ....	29.6	30.9	35.2	35.5	9.8	11.7	7.5	42.4	42.8	48.9	47.8	82.3	76.5	74.3
Mar. ....	41.8	43.7	51.2	47.7	14.9	13.4	10.6	62.0	56.0	76.3	65.3	116.0	90.2	91.1
Apr. ....	41.9	52.4	61.6	42.0	15.2	12.8	12.4	67.0	67.1	98.1	85.0	131.3	92.3	97.0
May .....	44.2	53.0	65.1	20.4	18.9	14.7	14.6	67.1	72.9	99.2	91.2	145.7	97.6	101.0
June .....	41.2	47.8	64.1	18.7	17.6	15.1	18.3	62.8	77.0	96.6	91.0	143.4	90.3	96.9
July .....	37.9	52.4	68.0	20.7	16.7	12.4	16.6	61.3	81.1	93.7	92.7	139.7	86.8	101.1
Aug. ....	42.8	51.2	61.2	21.6	19.6	11.1	17.0	61.9	86.1	85.1	96.6	137.8	88.3	97.4
Sept. ....	39.2	50.4	53.8	21.6	16.3	9.4	20.1	57.6	93.5	80.5	100.6	116.1	95.3	99.2
Oct. ....	41.4	52.0	51.0	18.1	18.0	9.7	25.6	56.5	93.5	71.9	101.9	100.8	88.9	99.2
Nov. ....	38.0	38.2	41.8	14.5	14.4	9.0	29.3	47.7	78.9	61.3	93.4	82.7	72.2	82.3
Dec. ....	30.7	33.5	30.0	12.6	13.0	7.2	29.1	39.3	58.5	49.4	77.0	78.6	59.5	67.6
* Publicly owned dwelling units														
Jan. ....	2.6	2.9	4.7	5.0	.2	(2)	0	.6	1.1	1.0	3.7	.9	3.7	3.5
Feb. ....	1.1	3.9	8.5	15.8	.4	.1	.4	0	0	1.2	2.6	.6	4.1	3.4
Mar. ....	1.1	3.1	8.4	3.9	2.5	.6	0	0	0	.1	4.1	1.3	3.6	12.8
Apr. ....	1.0	4.1	12.9	6.8	.1	.2	0	0	0	1.4	3.3	2.1	3.9	9.2
May .....	9.1	4.7	4.6	5.5	.7	.7	0	0	0	1.1	4.2	3.4	3.4	8.6
June .....	4.7	2.2	9.6	4.3	.1	.1	.3	1.3	.2	1.2	4.5	.9	42.2	6.6
July .....	6.3	5.0	5.6	1.6	.9	.6	.4	1.3	0	1.3	3.4	4.7	3.7	1.5
Aug. ....	8.4	5.3	8.4	1.8	.5	.4	.1	3.5	.2	1.6	2.4	4.1	.8	1.7
Sept. ....	3.2	7.4	11.2	1.2	0	.2	0	0	.3	1.8	2.3	4.5	1.1	1.6
Oct. ....	1.5	14.0	5.1	4.1	.3	0	0	1.3	.5	1.5	2.4	1.7	1.1	1.9
Nov. ....	7.1	10.3	4.8	2.2	1.5	.2	0	0	.8	2.4	2.1	4.6	2.3	3.8
Dec. ....	10.5	10.1	2.8	2.6	.1	0	0	0	.3	3.5	1.3	15.0	1.3	3.9
Seasonally adjusted estimates (private)														
Jan. ....	41.3	33.5	50.7	38.6	12.9	16.9	9.7	51.3	53.1	72.9	64.3	108.1	114.2	85.3
Feb. ....	40.5	42.3	48.2	48.6	13.4	16.0	10.3	58.1	58.6	67.0	65.5	112.7	104.8	101.8
Mar. ....	42.2	44.1	51.7	48.2	15.1	13.5	10.7	62.6	56.6	77.1	66.0	117.2	91.1	92.0
Apr. ....	37.1	46.4	54.5	37.2	13.5	11.3	11.0	59.3	59.4	86.8	75.2	116.2	81.7	85.8
May .....	36.2	43.4	53.4	16.7	15.5	12.0	12.0	55.0	59.8	81.3	74.8	119.4	80.0	82.8
June .....	34.9	40.5	54.3	15.8	14.9	12.8	15.5	53.2	65.3	81.9	77.1	121.5	76.5	82.1
July .....	33.0	45.6	59.1	18.0	14.5	10.8	14.4	53.3	70.5	81.5	80.6	121.5	75.5	87.9
Aug. ....	37.2	44.5	53.2	18.8	17.0	9.7	14.8	53.8	74.9	74.0	84.0	119.8	76.8	84.7
Sept. ....	36.3	46.7	49.8	20.0	15.1	8.7	18.6	53.3	86.6	74.5	93.1	107.5	88.2	91.9
Oct. ....	39.4	49.5	48.6	17.2	17.1	9.2	24.4	53.8	89.0	68.5	97.0	96.0	84.7	94.5
Nov. ....	43.2	43.4	47.5	16.5	16.4	10.2	33.3	54.2	89.7	69.7	106.0	94.0	82.0	93.5
Dec. ....	42.6	46.5	41.7	17.5	18.1	10.0	40.4	54.6	81.3	68.6	106.9	109.2	82.6	93.9

<sup>1</sup> See table 1, footnote 1. <sup>2</sup> Less than 50 units. \* For distribution of public units started in 1949-52, by ownership, see table 4.

Table 3.--Number and Percentage Distribution of New Permanent Nonfarm Dwelling Units Started, by Type of Structure, Annually 1920-52<sup>1</sup>

Year	Number of new permanent units in--					Percentage distribution of new permanent units in--			
	All structures	1-family structures	Rental-type structures			1-family structures	Rental-type structures		
			All	2-family <sup>2</sup>	3-or-more family <sup>3</sup>		All	2-family <sup>2</sup>	3-or-more family <sup>3</sup>
1920	247,000	202,000	45,000	21,000	21,000	81.8	18.2	9.7	8.5
1921	449,000	316,000	133,000	70,000	63,000	70.4	29.6	15.6	14.0
1922	716,000	437,000	279,000	146,000	133,000	61.0	39.0	20.4	18.6
1923	871,000	513,000	358,000	175,000	183,000	58.9	41.1	20.1	21.0
1924	893,000	534,000	359,000	173,000	186,000	59.8	40.2	19.4	20.8
1925	937,000	572,000	365,000	157,000	208,000	61.0	39.0	16.8	22.2
1926	849,000	491,000	358,000	117,000	241,000	57.8	42.2	13.8	28.4
1927	810,000	454,000	356,000	99,000	257,000	56.1	43.9	12.2	31.7
1928	753,000	436,000	317,000	78,000	239,000	57.9	42.1	10.4	31.7
1929	509,000	316,000	193,000	51,000	142,000	62.1	37.9	10.0	27.9
1930	330,000	227,000	103,000	29,000	74,000	68.8	31.2	8.8	22.4
1931	254,000	187,000	67,000	22,000	45,000	73.6	26.4	8.7	17.7
1932	134,000	118,000	16,000	7,000	9,000	88.1	11.9	5.2	6.7
1933	93,000	76,000	17,000	5,000	12,000	81.7	18.3	5.4	12.9
1934	126,000	109,000	17,000	5,000	12,000	86.5	13.5	4.0	9.5
1935	221,000	183,000	38,000	8,000	30,000	82.8	17.2	3.6	13.6
1936	319,000	244,000	75,000	14,000	61,000	76.5	23.5	4.4	19.1
1937	336,000	267,000	69,000	16,000	53,000	79.4	20.6	4.8	15.8
1938	406,000	317,000	89,000	18,000	71,000	78.1	21.9	4.4	17.5
1939	515,000	399,000	116,000	29,000	87,000	77.5	22.5	5.6	16.9
1940	602,600	485,700	116,900	37,300	79,600	80.6	19.4	6.2	13.2
1941	706,100	603,500	102,600	34,300	68,300	85.5	14.5	4.8	9.7
1942	356,000	292,800	63,200	20,100	43,100	82.3	17.7	5.6	12.1
1943	191,000	143,600	47,400	17,800	29,600	75.2	24.8	9.3	15.5
1944	141,800	117,700	24,100	10,600	13,500	83.0	17.0	7.5	9.5
1945	209,300	184,600	24,700	8,800	15,900	88.2	11.8	4.2	7.6
1946	670,500	590,000	80,500	24,300	56,200	88.0	12.0	3.6	8.4
1947	849,000	740,200	108,800	33,900	74,900	87.2	12.8	4.0	8.8
1948	931,600	766,600	165,000	46,900	118,100	82.3	17.7	5.0	12.7
1949	1,025,100	794,300	230,800	36,500	194,300	77.5	22.5	3.6	18.9
1950	1,396,000	1,154,100	241,900	44,800	197,100	82.7	17.3	3.2	14.1
1951	1,091,300	900,100	191,200	40,400	150,800	82.5	17.5	3.7	13.8
1952	1,127,000	942,500	184,500	45,900	138,600	83.6	16.4	4.1	12.3

<sup>1</sup> See table 1, footnote 1. <sup>2</sup> Includes units in 1- and 2-family structures with stores. <sup>3</sup> Includes units in 3-or-more family structures with stores.

Table 4.--Number of Publicly Owned New Permanent Dwelling Units Started, by Ownership, Annually 1949-52<sup>1</sup>

Ownership	Number of publicly owned dwelling units			
	1949	1950 <sup>2</sup>	1951	1952
Total	36,300	43,800	71,200	58,500
Federally owned <sup>3</sup>	3,900	1,100	1,100	600
State and locally owned	32,400	42,800	70,100	57,900
Under programs of U. S. Housing Acts <sup>4</sup>	800	26,900	65,300	52,700
Under State and local government programs.	31,600	15,900	4,800	5,200

<sup>1</sup> See table 1, footnote 1. <sup>2</sup> Components do not equal totals because of rounding. <sup>3</sup> Built with Federal funds at Federal Government installations. <sup>4</sup> Built with State or local government funds; operated with the assistance of Federal funds (under programs in effect beginning with 1937).

# HOUSING

Table 5.--Number of New Permanent Nonfarm Dwelling Units Started, by Type of Structure, Monthly 1940-52<sup>1</sup>

(in thousands)

Month	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952
<b>Total nonfarm dwelling units</b>													
Jan. ....	27.0	41.2	32.8	9.5	12.2	7.0	37.5	39.3	53.5	50.0	78.7	85.9	64.9
Feb. ....	34.8	43.7	51.3	10.2	11.8	7.9	42.4	42.8	50.1	50.4	82.9	80.6	77.7
Mar. ....	46.8	59.6	51.6	17.4	14.0	10.6	62.0	56.0	76.4	69.4	117.3	93.8	103.9
Apr. ....	56.5	74.5	48.8	15.3	13.0	12.4	67.0	67.1	99.5	88.3	133.4	96.2	106.2
May ....	57.7	69.7	25.9	19.6	15.4	14.6	67.1	72.9	100.3	95.4	149.1	101.0	109.6
June ....	50.0	73.7	23.0	17.7	15.2	18.6	64.1	77.2	97.8	95.5	144.3	132.5	103.5
July ....	57.4	73.6	22.3	17.6	13.0	17.0	62.6	81.1	95.0	96.1	144.4	90.5	102.6
Aug. ....	56.5	69.6	23.4	20.1	11.5	17.1	65.4	86.3	86.7	99.0	141.9	89.1	99.1
Sept. ....	57.8	65.0	22.8	16.3	9.6	20.1	57.6	93.8	82.3	102.9	120.6	96.4	100.8
Oct. ....	66.0	56.1	22.2	18.3	9.7	25.6	57.8	94.0	73.4	104.3	102.5	90.0	101.1
Nov. ....	48.5	46.6	16.7	15.9	9.2	29.3	47.7	79.7	63.7	95.5	87.3	74.5	86.1
Dec. ....	43.6	32.8	15.2	13.1	7.2	29.1	39.3	58.8	52.9	78.3	93.6	60.8	71.5
<b>1-family houses</b>													
Jan. ....	19.3	32.3	27.0	7.0	10.1	6.1	32.4	35.0	42.2	37.1	62.4	71.1	54.0
Feb. ....	25.8	35.7	37.6	8.5	9.9	6.4	37.5	39.1	38.2	39.7	68.2	67.3	65.7
Mar. ....	37.7	50.3	44.6	14.4	11.8	9.0	54.2	49.9	62.5	54.5	95.4	78.4	79.6
Apr. ....	45.6	63.0	40.0	11.5	10.5	10.1	59.9	60.5	79.5	69.6	110.6	82.9	85.7
May ....	47.2	59.5	22.8	15.0	12.3	12.9	58.8	65.8	83.9	71.9	124.8	85.9	89.7
June ....	43.2	63.0	19.9	13.2	12.4	16.7	55.3	67.3	82.2	72.1	124.9	84.2	87.0
July ....	48.7	63.4	17.6	13.5	11.3	14.5	55.6	70.5	78.3	74.3	122.6	76.0	90.5
Aug. ....	48.2	61.4	19.9	13.7	9.5	15.4	55.1	74.1	74.8	76.9	117.3	77.6	85.8
Sept. ....	46.2	58.0	19.2	11.6	8.2	18.2	51.9	80.7	69.4	77.7	100.8	81.6	86.5
Oct. ....	49.6	49.8	18.3	12.5	8.0	23.1	50.7	80.1	62.0	82.0	87.7	79.5	87.4
Nov. ....	39.2	38.8	13.5	12.7	7.6	26.4	43.6	67.3	52.5	77.4	71.5	64.0	72.1
Dec. ....	35.0	28.3	12.4	10.0	6.1	25.8	35.0	49.9	41.1	61.1	67.9	51.6	58.5
<b>Units in 2-family structures<sup>2</sup></b>													
Jan. ....	1.4	2.2	1.7	.9	1.0	.2	1.3	1.5	2.9	2.7	2.9	3.4	3.0
Feb. ....	2.3	2.8	2.9	.7	.5	.4	1.6	1.6	2.5	1.9	2.9	3.4	3.4
Mar. ....	2.5	3.3	2.7	1.1	1.2	.9	2.4	2.2	4.6	2.5	5.0	4.6	4.3
Apr. ....	3.4	3.7	3.1	1.5	1.1	.9	2.4	2.8	7.7	3.4	4.0	3.9	4.4
May ....	4.0	3.2	1.2	1.8	1.0	.9	3.0	3.1	5.3	3.6	4.4	3.0	4.3
June ....	2.7	3.3	1.1	1.8	1.5	.6	2.5	3.4	4.2	3.0	4.1	3.3	3.8
July ....	3.6	3.1	1.2	1.6	.9	.7	2.2	3.2	4.1	2.8	4.6	3.4	3.5
Aug. ....	3.5	3.0	.9	2.2	.7	.6	2.0	3.3	3.3	3.2	4.3	3.1	4.0
Sept. ....	4.5	3.4	1.2	1.8	.6	.7	2.0	3.3	3.9	2.8	3.4	3.8	4.7
Oct. ....	4.2	2.8	1.4	1.9	.8	.8	1.9	3.3	3.2	4.0	3.4	3.5	3.8
Nov. ....	2.8	1.9	1.4	1.4	.7	1.0	1.7	3.4	2.4	3.4	2.9	2.6	3.4
Dec. ....	2.4	1.6	1.3	1.1	.6	1.1	1.3	2.8	2.8	3.2	2.9	2.4	3.3
<b>Units in 3-or-more family structures<sup>3</sup></b>													
Jan. ....	6.3	6.7	4.1	1.6	1.1	.7	3.8	2.8	8.4	10.2	13.4	11.4	7.9
Feb. ....	6.7	5.2	10.8	1.0	1.4	1.1	3.3	2.1	9.4	8.8	11.8	9.9	8.6
Mar. ....	6.6	6.0	4.3	1.9	1.0	.7	5.4	3.9	9.3	12.4	16.9	10.8	20.0
Apr. ....	7.5	7.8	5.7	2.3	1.4	1.4	4.7	3.8	12.3	15.3	18.8	9.4	16.1
May ....	6.5	7.0	1.9	2.8	2.1	.8	5.3	4.0	11.1	19.9	19.9	12.1	15.6
June ....	4.1	7.4	2.0	2.7	1.3	1.3	6.3	6.5	11.4	20.4	15.3	45.0	12.7
July ....	5.1	7.1	3.5	2.5	.8	1.8	4.8	7.4	12.6	19.0	17.2	11.1	8.6
Aug. ....	4.8	5.2	2.6	4.2	1.3	1.1	8.3	8.9	8.6	18.9	20.3	8.4	9.3
Sept. ....	7.1	3.6	2.4	2.9	.8	1.2	3.7	9.8	9.0	22.4	16.4	11.0	9.6
Oct. ....	12.2	3.5	2.5	3.9	.9	1.7	5.2	10.6	8.2	18.3	11.4	7.0	9.9
Nov. ....	6.5	5.9	1.8	1.8	.9	1.9	2.4	9.0	8.8	14.7	12.9	7.9	10.6
Dec. ....	6.2	2.9	1.5	2.0	.5	2.2	3.0	6.1	9.0	14.0	22.8	6.8	9.7

<sup>1</sup> See table 1, footnote 1. <sup>2</sup> See table 3, footnote 2. <sup>3</sup> See table 3, footnote 3.



Table 6.--Number and Average Construction Cost of New Permanent Nonfarm Privately Owned 1-Family Houses Started, Quarterly 1940-52

Year and quarter	Number of 1-family houses started <sup>1</sup>	Average construction cost per house <sup>2</sup>	Year and quarter	Number of 1-family houses started <sup>1</sup>	Average construction cost per house <sup>2</sup>
1940 .....	447,600	\$4,075	1947 .....	740,200	\$6,750
First quarter .....	78,600	3,975	First quarter .....	124,000	5,925
Second quarter .....	131,800	4,050	Second quarter .....	193,600	6,325
Third quarter .....	133,800	4,075	Third quarter .....	225,300	6,900
Fourth quarter .....	103,400	4,150	Fourth quarter .....	197,300	7,500
1941 .....	533,200	4,250	1948 .....	763,200	7,850
First quarter .....	100,700	4,150	First quarter .....	142,500	7,450
Second quarter .....	164,600	4,275	Second quarter .....	243,500	7,925
Third quarter .....	161,600	4,300	Third quarter .....	221,700	8,025
Fourth quarter .....	106,300	4,225	Fourth quarter .....	155,500	7,875
1942 .....	252,300	3,900	1949 .....	792,400	7,625
First quarter .....	94,800	4,000	First quarter .....	131,200	7,525
Second quarter .....	67,700	3,850	Second quarter .....	212,900	7,600
Third quarter .....	53,100	3,750	Third quarter .....	228,100	7,625
Fourth quarter .....	36,700	3,850	Fourth quarter .....	220,200	7,675
1943 .....	136,300	3,675	1950 .....	1,150,700	8,675
First quarter .....	26,900	3,525	First quarter .....	225,800	7,950
Second quarter .....	38,800	3,775	Second quarter .....	359,700	8,550
Third quarter .....	37,300	3,675	Third quarter .....	340,400	8,975
Fourth quarter .....	33,300	3,675	Fourth quarter .....	224,800	9,150
1944 .....	114,600	3,450	1951 .....	892,200	9,300
First quarter .....	31,100	3,675	First quarter .....	216,000	9,175
Second quarter .....	34,200	3,375	Second quarter .....	247,100	9,425
Third quarter .....	27,700	3,450	Third quarter .....	234,500	9,375
Fourth quarter .....	21,600	3,225	Fourth quarter .....	194,600	9,200
1945 .....	184,600	4,650	1952 .....	939,100	9,475
First quarter .....	21,500	3,550	First quarter .....	198,100	9,250
Second quarter .....	39,700	4,175	Second quarter .....	261,200	9,600
Third quarter .....	48,100	4,550	Third quarter .....	262,300	9,500
Fourth quarter .....	75,300	5,300	Fourth quarter .....	217,500	9,525
1946 .....	590,000	5,525			
First quarter .....	124,100	5,575			
Second quarter .....	174,000	5,500			
Third quarter .....	162,600	5,425			
Fourth quarter .....	129,300	5,625			

<sup>1</sup> See table 1, footnote 1. <sup>2</sup> Represents the average of builders' estimates of the construction cost of all new private 1-family houses started nationally. The construction cost averages are affected by variations in size and design of the houses, in the size and type of projects started, and differences in construction methods, as well as changes in cost of materials and labor. They do not represent the construction cost of a typical house, and should not be confused with selling price or permit valuation.

Construction costs exclude sales profit, cost of land and site improvements, and all such nonconstruction expenses as architectural and engineering fees. They include the cost of labor, materials, and subcontracted work, and that part of the builders' overhead and profit chargeable directly to the building of the houses.

Cost data are based primarily on builders' estimates of construction cost made at the start of construction, and on reports of construction cost by individual construction contractors in a representative group of localities not issuing permits. Building-permit information is adjusted for understatement of costs as shown on permit applications, using data from periodic field investigations of a large sample of building permits.

# EXPENDITURES

Table 7.--Expenditures for New Construction, Annually 1915-52<sup>1</sup>

Type of construction	Expenditures (in millions)									
	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924
Total new construction <sup>2</sup> .....	\$3,262	\$3,849	\$4,569	\$5,118	\$6,296	\$6,749	\$6,304	\$7,647	\$9,332	\$10,407
Private construction .....	2,543	3,141	3,290	2,880	4,320	5,397	4,440	5,963	7,710	8,506
Residential building (nonfarm) .	1,220	1,375	1,190	915	1,850	2,015	2,105	3,360	4,400	5,060
New dwelling units .....	1,040	1,170	1,000	760	1,645	1,710	1,795	2,955	3,960	4,575
Additions and alterations ....	140	145	125	110	130	175	185	200	210	230
Nonhousekeeping <sup>3</sup> .....	40	60	65	45	75	130	125	205	230	255
Nonresidential building (nonfarm) <sup>4</sup> .....	478	716	800	731	1,082	1,964	1,434	1,457	1,697	1,675
Industrial .....	197	262	364	449	621	1,099	574	467	549	460
Commercial .....	(5)	(5)	(5)	(5)	(5)	625	570	613	716	740
Warehouse, office and loft buildings .....	(5)	(5)	(5)	(5)	(5)	258	258	286	292	304
Stores, restaurants, and garages .....	(5)	(5)	(5)	(5)	(5)	367	312	327	424	436
Religious .....	(5)	(5)	(5)	(5)	(5)	55	71	103	117	130
Educational .....	(5)	(5)	(5)	(5)	(5)	22	32	61	83	91
Social and recreational .....	(5)	(5)	(5)	(5)	(5)	104	119	132	128	131
Hospital and institutional ...	(5)	(5)	(5)	(5)	(5)	30	44	53	57	63
Miscellaneous .....	(5)	(5)	(5)	(5)	(5)	29	24	28	47	60
Farm construction .....	229	324	449	478	653	566	223	269	317	298
Operators' dwellings .....	109	154	199	203	273	266	98	119	142	133
Service buildings .....	120	170	250	275	380	300	125	150	175	165
Public utilities .....	549	658	788	697	673	771	604	787	1,191	1,356
Railroad .....	241	281	361	365	266	184	184	176	361	365
Local transit .....	112	109	154	107	63	82	59	85	74	56
Petroleum pipeline .....	20	20	20	24	56	41	30	41	53	70
Electric light and power .....	92	117	123	102	156	262	163	229	412	463
Gas .....	41	70	45	26	56	78	66	139	133	206
Manufactured .....	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Natural .....	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Telephone .....	35	53	74	58	64	109	90	107	143	177
Telegraph .....	8	8	11	15	12	15	12	10	15	19
All other private .....	67	68	63	59	62	81	74	90	105	117
Sewer and water .....	10	9	9	10	12	15	17	16	18	24
All other <sup>6</sup> .....	57	59	54	49	50	66	57	72	87	93
Public construction .....	719	708	1,279	2,238	1,976	1,352	1,564	1,684	1,622	1,901
Residential building <sup>7</sup> .....	0	0	0	28	14	0	0	0	0	0
Nonresidential building .....	217	207	192	199	246	283	387	481	481	494
Industrial .....	(5)	(5)	(5)	(5)	(5)	(8)	(8)	(8)	(8)	(8)
Commercial .....	(5)	(5)	(5)	(5)	(5)	(8)	(8)	(8)	(8)	(8)
Public administration .....	(5)	(5)	(5)	(5)	(5)	38	51	55	44	39
Educational .....	(5)	(5)	(5)	(5)	(5)	190	274	342	346	353
Social and recreational .....	(5)	(5)	(5)	(5)	(5)	12	14	15	20	22
Hospital and institutional ...	(5)	(5)	(5)	(5)	(5)	33	40	60	55	60
Miscellaneous .....	(5)	(5)	(5)	(5)	(5)	10	8	9	16	20
Military and naval facilities <sup>9</sup> .	17	21	608	1,555	1,089	161	49	25	16	9
Highway .....	302	314	320	296	429	656	853	876	805	987
Federal <sup>10</sup> .....	(11)	(11)	(11)	1	3	4	3	4	7	9
State .....	58	54	66	78	134	250	295	304	305	411
County .....	106	114	109	105	127	186	356	346	258	271
Municipal .....	138	146	145	112	165	216	199	222	235	296
Sewage disposal and water supply	106	95	91	94	124	153	178	201	203	263
Sewage disposal .....	52	46	45	38	53	67	78	88	90	108
Water supply .....	54	49	46	56	71	86	100	113	113	155
Miscellaneous public service enterprises <sup>12</sup> .....	40	42	40	36	34	39	41	47	45	65
Conservation and development ...	36	28	27	29	39	55	52	48	65	79
Bureau of Reclamation .....	7	6	6	6	5	5	7	9	9	8
Corps of Engineers .....	27	20	18	20	29	41	36	30	43	55
Tennessee Valley Authority ...	0	0	0	0	0	0	0	0	0	0
Other .....	2	2	3	3	5	9	9	9	13	16
All other public <sup>13</sup> .....	1	1	1	1	1	5	4	6	7	4

See page 19 for footnotes.

Table 7.--Expenditures for New Construction, Annually 1915-52<sup>1</sup>--Continued

Type of construction	Expenditures (in millions)									
	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934
Total new construction <sup>2</sup> .....	\$11,439	\$12,082	\$12,034	\$11,641	\$10,793	\$8,741	\$6,427	\$3,538	\$2,879	\$3,720
Private construction .....	9,301	9,938	9,625	9,156	8,307	5,883	3,768	1,676	1,231	1,509
Residential building (nonfarm)	5,515	5,600	5,160	4,770	3,625	2,075	1,565	630	470	625
New dwelling units .....	4,910	4,920	4,540	4,195	3,040	1,570	1,320	485	290	380
Additions and alterations ..	250	270	290	315	340	305	175	105	145	200
Nonhousekeeping <sup>3</sup> .....	355	410	330	260	245	200	70	40	35	45
Nonresidential building (nonfarm) <sup>4</sup> .....	2,060	2,513	2,534	2,573	2,694	2,003	1,099	502	406	456
Industrial .....	513	727	696	602	949	532	221	74	176	191
Commercial .....	940	1,107	1,145	1,121	1,135	893	454	223	130	173
warehouse, office and loft buildings .....	357	393	409	451	619	596	276	117	44	66
Stores, restaurants, and garages .....	583	714	736	670	516	297	178	106	86	107
Religious .....	165	177	179	168	147	135	87	45	22	21
Educational .....	108	108	106	107	120	118	100	53	15	14
Social and recreational ...	199	255	252	224	173	148	123	60	34	33
Hospital and institutional	79	83	106	100	104	109	71	34	10	9
Miscellaneous .....	56	56	50	51	66	66	43	13	19	15
Farm construction .....	311	297	355	331	307	193	97	37	49	66
Operators' dwellings .....	141	137	160	156	147	107	59	24	29	36
Service buildings .....	170	160	195	175	160	86	38	13	20	30
Public utilities .....	1,302	1,415	1,450	1,372	1,578	1,527	946	467	261	326
Railroad .....	393	491	462	433	510	521	292	139	94	128
Local transit .....	52	51	77	90	82	85	69	29	21	30
Petroleum pipeline .....	55	36	80	53	97	30	77	37	7	12
Electric light and power ..	421	362	362	338	350	377	225	109	59	66
Gas .....	171	248	257	212	185	181	117	66	35	43
Manufactured .....	(5)	(5)	(5)	(5)	72	63	48	30	13	16
Natural .....	(5)	(5)	(5)	(5)	113	118	69	36	22	27
Telephone .....	192	206	196	227	328	310	154	80	41	43
Telegraph .....	18	21	16	19	26	23	12	7	4	4
All other private .....	113	113	126	110	103	85	61	40	45	36
Sewer and water .....	23	22	22	19	18	26	20	11	6	7
All other <sup>6</sup> .....	90	91	104	91	85	59	41	29	39	29
Public construction .....	2,138	2,144	2,409	2,485	2,486	2,858	2,659	1,862	1,648	2,211
Residential building <sup>7</sup> .....	0	0	0	0	0	0	0	0	0	1
Nonresidential building .....	573	603	596	638	659	660	612	415	230	363
Industrial .....	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	2	11
Commercial .....	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	4	13
Public administration .....	56	70	84	85	109	128	183	183	109	87
Educational .....	400	399	367	378	389	364	285	130	52	148
Social and recreational ...	37	47	48	50	38	28	19	16	7	37
Hospital and institutional	61	68	80	108	101	118	110	83	49	51
Miscellaneous .....	19	19	17	17	22	22	15	3	7	16
Military and naval facilities <sup>9</sup>	8	11	12	15	19	29	40	34	36	47
Highway .....	1,082	1,067	1,222	1,289	1,266	1,516	1,355	958	847	1,000
Federal <sup>10</sup> .....	10	10	10	11	11	17	22	21	44	61
State .....	424	390	438	522	540	692	710	535	498	568
County .....	277	279	303	294	269	310	259	183	157	237
Municipal .....	371	388	471	462	446	497	364	219	148	134
Sewage disposal and water supply	278	285	312	300	253	343	270	156	95	173
Sewage disposal .....	133	145	174	183	127	142	114	69	45	102
Water supply .....	145	140	138	117	126	201	156	87	50	71
Miscellaneous public service enterprises <sup>12</sup> .....	120	111	192	157	151	157	209	135	65	55
Conservation and development	73	61	63	72	115	137	156	150	359	518
Bureau of Reclamation .....	7	6	6	7	8	11	20	26	26	35
Corps of Engineers .....	51	41	40	46	59	75	81	81	102	142
Tennessee Valley Authority	0	0	0	0	0	0	0	0	5	17
Other .....	15	14	17	19	48	51	55	43	226	324
All other public <sup>13</sup> .....	4	6	12	14	23	16	17	14	16	54

See page 19 for footnotes.

# EXPENDITURES

Table 7.--Expenditures for New Construction, Annually 1915-52<sup>1</sup> --Continued

Type of construction	Expenditures (in millions)									
	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944
Total new construction <sup>2</sup> .....	\$4,232	\$6,497	\$6,999	\$6,980	\$8,198	\$8,682	\$11,957	\$14,075	\$8,301	\$5,259
Private construction .....	1,999	2,981	3,903	3,560	4,389	5,054	6,206	3,415	1,979	2,186
Residential building (nonfarm) ..	1,010	1,565	1,875	1,990	2,680	2,985	3,510	1,715	885	815
New dwelling units .....	710	1,210	1,475	1,620	2,270	2,560	3,040	1,440	710	570
Additions and alterations ...	250	295	320	295	320	335	375	225	160	220
Nonhousekeeping <sup>3</sup> .....	50	60	80	75	90	90	95	50	15	25
Nonresidential building (nonfarm) <sup>4</sup> .....	472	713	1,085	764	786	1,025	1,482	635	233	351
Industrial .....	158	266	492	232	254	442	801	346	156	208
Commercial .....	211	290	387	285	292	348	409	155	33	56
warehouse, office and loft buildings .....	75	111	137	95	81	91	123	62	14	17
Stores, restaurants, and garages .....	136	179	259	190	211	257	286	93	19	39
Religious .....	28	34	44	51	48	59	62	31	6	11
Educational .....	17	40	42	40	39	50	58	24	6	11
Social and recreational ....	34	54	73	97	100	67	72	30	7	17
Hospital and institutional ..	10	17	31	35	31	33	46	29	11	26
Miscellaneous .....	14	12	16	24	22	26	34	20	14	22
Farm construction .....	126	161	207	171	212	240	310	260	284	283
Operators' dwellings .....	61	76	100	79	106	145	182	135	121	108
Service buildings .....	65	85	107	92	106	95	128	125	163	175
Public utilities .....	363	518	705	605	683	771	872	786	570	725
Railroad .....	116	149	199	119	137	167	187	197	211	247
Local transit .....	40	45	39	41	54	50	30	12	14	15
Petroleum pipeline .....	20	41	67	21	35	30	60	80	77	71
Electric light and power ...	87	139	218	267	303	311	305	255	144	163
Gas .....	48	77	80	65	61	91	111	87	63	146
Manufactured .....	18	16	22	17	16	33	40	34	15	14
Natural .....	30	61	58	48	45	58	71	53	48	132
Telephone .....	48	62	96	87	89	117	173	150	56	78
Telegraph .....	4	5	6	5	4	5	6	5	5	5
All other private .....	28	24	31	30	28	33	32	19	7	12
Sewer and water .....	9	9	9	9	9	15	18	8	3	7
All other <sup>6</sup> .....	19	15	22	21	19	18	14	11	4	5
Public construction .....	2,233	3,516	3,096	3,420	3,809	3,628	5,751	10,660	6,322	3,073
Residential building <sup>7</sup> .....	9	61	93	35	65	200	430	545	739	211
Nonresidential building .....	328	701	550	672	970	615	1,646	3,685	2,010	1,361
Industrial .....	2	4	2	12	23	164	1,280	3,437	1,870	1,230
Commercial .....	7	14	22	18	32	34	21	6	4	4
Public administration .....	90	161	143	165	234	149	105	56	15	11
Educational .....	153	366	253	311	468	156	158	128	63	41
Social and recreational ....	27	63	44	49	58	26	22	9	8	7
Hospital and institutional ..	38	74	73	97	127	54	42	35	44	58
Miscellaneous .....	11	19	13	20	28	32	18	14	6	10
Military and naval facilities <sup>9</sup> ..	37	29	37	62	125	385	1,620	5,016	2,550	837
Highway .....	845	1,362	1,226	1,421	1,381	1,302	1,066	734	446	362
Federal <sup>10</sup> .....	64	53	42	37	35	30	26	17	7	7
State .....	434	628	601	562	537	597	548	420	279	224
County .....	210	497	429	638	560	468	350	209	105	78
Municipal .....	137	184	154	184	249	207	142	88	55	53
Sewage disposal and water supply ..	175	342	311	355	371	338	252	169	107	79
Sewage disposal .....	101	230	209	235	243	184	118	76	37	26
Water supply .....	74	112	102	120	128	154	134	93	70	53
Miscellaneous public service enterprises <sup>12</sup> .....	71	167	134	137	136	131	141	85	49	46
Conservation and development ..	700	658	605	551	570	528	500	357	285	163
Bureau of Reclamation .....	47	56	60	67	72	74	79	60	42	36
Corps of Engineers .....	177	192	176	157	157	158	159	150	160	73
Tennessee Valley Authority ..	28	32	30	31	32	38	83	131	76	45
Other .....	448	378	339	296	309	258	179	16	7	9
All other public <sup>13</sup> .....	68	196	140	187	191	129	96	69	136	14

See page 19 for footnotes.

**EXPENDITURES**

Table 7.--Expenditures for New Construction, Annually 1915-52<sup>1</sup> --Continued

Type of construction	Expenditures (in millions)									Percent change, 1951-52
	1945	1946	1947	1948	1949	1950	1951	1952		
Total new construction <sup>2</sup> .....	\$5,633	\$12,000	\$16,689	\$21,678	\$22,789	\$28,454	\$30,895	\$32,638	+ 5.6	
Private construction .....	3,235	9,638	13,256	16,853	16,384	21,454	21,564	21,812	+ 1.2	
Residential building (nonfarm) .	1,100	4,015	6,310	8,580	8,267	12,600	10,973	11,100	+ 1.2	
New dwelling units .....	720	3,300	5,450	7,500	7,257	11,525	9,849	9,870	+ .2	
Additions and alterations ....	340	570	735	925	825	900	934	1,045	+ 11.9	
Nonhousekeeping <sup>3</sup> .....	40	145	125	155	185	175	190	185	- 2.6	
Nonresidential building (nonfarm) <sup>4</sup> .....	1,020	3,341	3,142	3,621	3,228	3,777	5,152	5,014	- 2.7	
Industrial .....	642	1,689	1,702	1,397	972	1,062	2,117	2,320	+ 9.6	
Commercial .....	203	1,132	856	1,253	1,027	1,288	1,371	1,137	- 17.1	
Warehouse, office and loft buildings .....	56	331	237	352	321	402	544	515	- 5.3	
Stores, restaurants, and garages .....	147	801	619	901	706	886	827	622	- 24.8	
Religious .....	26	76	126	251	360	409	452	399	- 11.7	
Educational .....	31	123	174	253	269	294	345	351	+ 1.7	
Social and recreational .....	27	125	99	224	262	247	164	125	- 23.6	
Hospital and institutional ...	37	85	110	<sup>14</sup> 126	<sup>14</sup> 202	<sup>14</sup> 344	<sup>14</sup> 419	<sup>14</sup> 394	- 6.0	
Miscellaneous .....	54	111	75	117	136	133	284	288	+ 1.4	
Farm construction .....	267	856	1,397	1,544	1,488	1,635	1,646	1,610	- 2.2	
Operators' dwellings .....	100	409	683	738	695	763	771	750	- 2.7	
Service buildings .....	167	447	714	806	793	872	875	860	- 1.7	
Public utilities .....	827	1,374	2,338	3,043	3,323	3,330	3,729	4,003	+ 7.3	
Railroad .....	264	258	318	379	352	315	399	438	+ 9.8	
Local transit .....	18	35	56	60	40	40	40	35	- 12.5	
Petroleum pipeline .....	42	63	121	159	157	165	175	230	+ 31.4	
Electric light and power ....	245	443	793	1,058	1,368	1,268	1,353	1,650	+ 22.0	
Gas .....	141	270	540	683	873	1,102	1,275	1,080	- 15.3	
Manufactured .....	21	42	78	83	66	61	59	55	- 6.8	
Natural .....	120	228	462	600	807	1,041	1,216	1,025	- 15.7	
Telephone .....	112	298	502	706	527	435	482	565	+ 17.2	
Telegraph .....	5	7	8	7	6	5	5	5	0	
All other private .....	21	52	69	65	78	112	64	85	+ 32.8	
Sewer and water .....	11	18	33	39	24	32	27	38	+ 40.7	
All other <sup>6</sup> .....	10	34	36	26	54	80	37	47	+ 27.0	
Public construction .....	2,398	2,362	3,433	4,825	6,405	7,000	9,331	10,826	+ 16.0	
Residential building <sup>7</sup> .....	80	374	200	156	359	345	595	654	+ 9.9	
Nonresidential building .....	237	354	599	1,301	2,068	2,384	3,469	4,119	+ 18.7	
Industrial .....	755	113	96	196	177	224	946	1,667	+ 76.2	
Commercial .....	4	4	(15)	(15)	(15)	(15)	(15)	(15)	--	
Public administration .....	15	16	26	74	121	171	179	123	- 31.3	
Educational .....	59	101	287	618	934	1,133	1,513	1,619	+ 7.0	
Social and recreational .....	9	11	18	67	108	110	107	51	- 52.3	
Hospital and institutional ...	85	85	85	223	477	496	528	473	- 10.4	
Miscellaneous .....	10	24	87	123	251	220	196	186	- 5.1	
Military and naval facilities <sup>9</sup> ..	690	188	204	158	137	177	887	1,388	+ 56.5	
Highway .....	398	895	1,451	1,774	2,131	2,272	2,518	2,860	+ 13.6	
Federal <sup>10</sup> .....	11	26	34	39	57	46	42	45	+ 7.1	
State .....	236	574	926	1,142	1,348	1,507	1,718	2,000	+ 16.4	
County .....	87	171	262	323	384	352	369	410	+ 11.1	
Municipal .....	64	124	229	270	342	367	389	405	+ 4.1	
Sewage disposal and water supply	97	194	351	535	619	659	716	692	- 3.4	
Sewage disposal .....	37	97	188	300	354	383	425	413	- 2.8	
Water supply .....	60	97	163	235	265	276	291	279	- 4.1	
Miscellaneous public service enterprises <sup>12</sup> .....	55	99	164	185	203	185	213	193	- 9.4	
Conservation and development ...	130	240	394	629	793	881	853	854	+ .1	
Bureau of Reclamation .....	39	60	125	175	223	255	207	182	- 12.1	
Corps of Engineers .....	63	147	222	383	501	538	460	483	+ .6	
Tennessee Valley Authority ...	18	17	28	39	34	48	109	124	+ 13.8	
Other .....	10	16	19	32	35	40	57	65	+ 14.0	
All other public <sup>13</sup> .....	11	18	70	87	95	97	80	66	- 17.5	

# EXPENDITURES

Table 8.--Expenditures for New Construction, Monthly 1951-52<sup>1</sup>

Type of construction	1952 Expenditures (in millions)											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total new construction <sup>2</sup> .	\$2,170	\$2,093	\$2,331	\$2,538	\$2,753	\$2,936	\$3,037	\$3,118	\$3,160	\$3,094	\$2,858	\$2,550
Private construction ...	1,514	1,463	1,615	1,690	1,816	1,927	1,992	2,030	2,029	2,007	1,934	1,795
Residential building												
(nonfarm) .....	719	676	799	849	927	993	1,028	1,047	1,045	1,051	1,024	942
New dwelling units ...	650	600	710	750	815	875	910	930	930	935	915	850
Additions and alterations .....	56	63	77	87	99	103	101	99	97	98	91	74
Nonhousekeeping <sup>3</sup> ....	13	13	12	12	13	15	17	18	18	18	18	18
Nonresidential building (nonfarm) <sup>4</sup> .....	423	413	402	390	395	405	414	421	434	441	443	433
Industrial .....	209	209	202	195	188	183	181	183	190	193	194	193
Commercial .....	91	82	80	77	86	93	99	98	101	105	113	112
Warehouse, office and loft buildings .....	47	43	39	37	38	38	41	43	44	46	49	50
Stores, restaurants, and garages .....	44	39	41	40	48	55	58	55	57	59	64	62
Other nonresidential building .....	123	122	120	118	121	129	134	140	143	143	136	128
Religious .....	31	30	29	28	29	31	33	36	38	39	38	37
Educational .....	28	27	26	25	26	28	29	31	32	33	33	33
Social and recreational .....	9	9	9	9	9	10	11	12	12	12	12	11
Hospital and institutional <sup>14</sup> ....	32	32	32	33	34	35	36	35	34	33	30	28
Miscellaneous .....	23	24	24	23	23	25	25	26	27	26	23	19
Farm construction .....	101	105	115	128	149	162	171	175	162	133	112	97
Operators' dwellings ..	46	48	53	59	70	76	81	83	76	62	52	44
Service buildings .....	55	57	62	69	79	86	90	92	86	71	60	53
Public utilities .....	265	264	294	317	338	359	370	379	381	375	347	314
Railroad .....	28	26	30	40	35	40	38	33	39	48	38	43
Telephone and telegraph	41	43	45	44	49	50	51	50	51	53	48	45
Other public utility <sup>16</sup>	196	195	219	233	254	269	281	296	291	274	261	226
All other private <sup>17</sup> ...	6	5	5	6	7	8	9	8	7	7	8	9
Public construction ....	656	630	716	848	937	1,009	1,045	1,088	1,131	1,087	924	755
Residential building <sup>7</sup> ..	63	59	55	55	56	53	54	56	54	51	49	49
Nonresidential building	286	275	299	324	340	357	371	392	393	379	361	342
Industrial .....	92	90	104	121	135	149	161	176	177	166	154	142
Educational .....	129	127	131	135	136	137	138	140	139	137	136	134
Hospital and institutional .....	37	35	38	41	41	42	41	43	41	40	38	36
Other nonresidential building .....	28	23	26	27	28	29	31	33	36	36	33	30
Military and naval facilities <sup>9</sup> .....	89	84	101	114	119	125	128	134	134	128	121	111
Highway .....	87	93	125	210	268	313	328	342	380	362	240	112
Sewer and water .....	50	48	52	56	60	62	64	63	62	61	58	56
Miscellaneous public service enterprises <sup>12</sup>	14	11	14	15	17	17	17	19	21	19	16	13
Conservation and development .....	62	56	65	68	71	76	77	76	81	81	74	67
All other public <sup>13</sup> ....	5	4	5	6	6	6	6	6	6	6	5	5

See page 19 for footnotes.

## EXPENDITURES

Table 8.--Expenditures for New Construction, Monthly 1951-52<sup>1</sup> --Continued

Type of construction	1951 Expenditures (in millions)											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total new construction <sup>2</sup> .....	\$2,150	\$2,030	\$2,249	\$2,441	\$2,640	\$2,804	\$2,878	\$2,941	\$2,915	\$2,860	\$2,624	\$2,363
Private construction ...	1,631	1,563	1,652	1,732	1,826	1,922	1,954	1,959	1,943	1,900	1,812	1,670
Residential building (nonfarm) .....	902	827	862	895	918	957	965	956	958	963	930	840
New dwelling units ...	830	750	785	807	821	853	857	847	849	858	832	760
Additions and alterations .....	55	60	61	72	81	88	91	92	93	91	84	66
Nonhousekeeping <sup>3</sup> ....	17	17	16	16	16	16	17	17	16	14	14	14
Nonresidential building (nonfarm) <sup>4</sup> .....	378	384	399	410	440	465	471	465	460	440	425	415
Industrial .....	129	135	143	152	164	180	195	204	210	205	200	200
Commercial .....	122	121	127	126	131	131	121	108	101	95	96	92
Warehouse, office and loft buildings .....	47	46	45	46	48	48	48	48	45	41	41	41
Stores, restaurants, and garages .....	75	75	82	80	83	83	73	60	56	54	55	51
Other nonresidential building .....	127	128	129	132	145	154	155	153	149	140	129	123
Religious .....	37	35	35	35	38	41	42	43	42	38	34	32
Educational .....	28	27	26	26	27	29	30	32	32	31	29	28
Social and recreational .....	19	18	16	15	15	15	14	13	12	10	9	8
Hospital and institutional <sup>14</sup> ....	30	31	32	34	37	38	39	38	37	36	34	33
Miscellaneous .....	13	17	20	22	28	31	30	27	26	25	23	22
Farm construction .....	104	109	117	131	152	166	174	178	163	136	115	101
Operators' dwellings	48	50	54	61	72	79	83	85	77	63	53	46
Service buildings ....	56	59	63	70	80	87	91	93	86	73	62	55
Public utilities .....	242	238	269	291	312	329	339	354	356	355	336	308
Railroad .....	26	22	28	28	33	36	35	38	35	40	41	37
Telephone and telegraph	36	35	41	39	41	42	41	43	43	44	42	40
Other public utility <sup>16</sup>	180	181	200	224	238	251	263	273	278	271	253	231
All other private <sup>17</sup> ...	5	5	5	5	4	5	5	6	6	6	6	6
Public construction ....	519	467	597	709	814	882	924	982	972	960	812	693
Residential building <sup>7</sup> ..	29	30	36	42	45	47	47	56	63	66	68	66
Nonresidential building	228	219	258	286	299	308	317	326	321	317	300	290
Industrial .....	37	35	54	70	77	82	92	103	102	104	96	94
Educational .....	110	110	118	123	126	128	132	133	135	134	133	131
Hospital and institutional .....	40	38	45	47	51	50	47	47	44	43	39	37
Other nonresidential building .....	41	36	41	46	45	48	46	43	40	36	32	26
Military and naval facilities <sup>9</sup> .....	30	34	52	66	68	74	83	93	96	103	100	88
Highway .....	92	63	110	159	234	276	302	336	325	311	196	114
Sewer and water .....	57	55	59	62	64	66	65	63	61	59	55	50
Miscellaneous public service enterprises <sup>12</sup>	13	11	15	16	20	22	22	23	22	20	15	14
Conservation and development .....	63	49	61	70	76	81	80	78	77	78	73	67
All other public <sup>13</sup> ....	7	6	6	8	8	8	8	7	7	6	5	4

See page 19 for footnotes.

# EXPENDITURES

Table 9.--Expenditures for New Construction, Seasonally Adjusted, Monthly 1951-52<sup>18</sup>

Type of construction	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1952 Expenditures (in millions): Seasonally adjusted												
Total new construction <sup>2</sup>	\$2,578	\$2,721	\$2,812	\$2,794	\$2,721	\$2,683	\$2,659	\$2,658	\$2,713	\$2,744	\$2,781	\$2,774
Private construction ....	1,732	1,808	1,913	1,857	1,803	1,775	1,784	1,784	1,797	1,832	1,856	1,871
Residential building (nonfarm) <sup>3</sup> .....	835	900	1,008	953	908	894	901	902	908	946	965	980
Nonresidential building (nonfarm) <sup>4</sup> .....	430	437	435	429	418	400	401	404	409	411	420	420
Industrial .....	199	208	212	211	199	190	188	188	186	180	180	179
Commercial .....	104	97	91	84	88	85	85	88	93	100	108	114
Warehouse, office and loft buildings .....	50	49	43	39	40	38	38	39	40	43	46	50
Stores, restaurants, and garages .....	54	48	48	45	48	47	47	49	53	57	62	64
Other nonresidential building <sup>14</sup> .....	127	132	132	134	131	125	128	128	130	131	132	127
Farm construction .....	135	135	135	135	135	135	135	135	135	133	132	130
Public utilities .....	324	330	330	334	335	339	340	336	338	335	331	331
All other private <sup>17</sup> .....	8	6	5	6	7	7	7	7	7	7	8	10
Public construction .....	846	913	899	937	918	908	875	874	916	912	925	903
Residential building <sup>7</sup> ..	70	66	58	57	54	50	52	50	49	48	49	51
Nonresidential building	325	328	318	324	330	340	332	347	357	354	380	384
Military and naval facilities <sup>9</sup> .....	109	111	124	126	127	129	115	111	105	101	109	121
Highway .....	184	249	240	274	254	243	237	229	261	262	237	190
Sewer and water .....	59	62	59	58	58	56	53	53	55	56	60	63
Miscellaneous public service enterprises <sup>12</sup> ..	18	17	17	16	15	14	13	14	17	17	18	17
Conservation and development .....	75	74	78	76	74	71	68	65	67	68	67	71
All other public <sup>13</sup> .....	6	6	5	6	6	5	5	5	5	6	5	6
1951 Expenditures (in millions): Seasonally adjusted												
Total new construction <sup>2</sup>	\$2,556	\$2,624	\$2,737	\$2,694	\$2,590	\$2,545	\$2,505	\$2,502	\$2,503	\$2,529	\$2,538	\$2,572
Private construction ....	1,868	1,947	1,956	1,894	1,800	1,756	1,739	1,715	1,712	1,723	1,726	1,728
Residential building (nonfarm) <sup>3</sup> .....	1,034	1,087	1,075	992	887	850	834	812	821	855	864	862
Nonresidential building (nonfarm) <sup>4</sup> .....	393	417	435	452	462	453	452	447	433	409	400	399
Industrial .....	123	135	151	165	174	188	203	210	206	192	185	185
Commercial .....	139	143	143	137	131	116	102	97	92	89	90	92
Warehouse, office and loft buildings .....	50	52	50	49	50	47	44	44	41	38	38	41
Stores, restaurants, and garages .....	89	91	93	88	81	69	58	53	51	51	52	51
Other nonresidential building <sup>14</sup> .....	131	139	141	150	157	149	147	140	135	128	125	122
Farm construction .....	139	139	138	138	138	138	137	137	136	136	135	135
Public utilities .....	296	298	303	307	309	311	312	314	316	317	321	325
All other private <sup>17</sup> .....	6	6	5	5	4	4	4	5	6	6	6	7
Public construction .....	688	677	781	800	790	789	766	787	791	806	812	844
Residential building <sup>7</sup> ..	32	34	38	44	44	45	45	51	58	64	70	70
Nonresidential building	259	261	275	286	291	294	283	289	292	297	316	326
Military and naval facilities <sup>9</sup> .....	38	46	65	75	75	79	76	80	78	84	92	99
Highway .....	190	177	237	227	214	209	213	224	221	217	190	199
Sewer and water .....	67	70	67	64	61	61	54	53	54	54	56	55
Miscellaneous public service enterprises <sup>12</sup> ..	17	17	18	18	18	18	17	17	18	19	17	19
Conservation and development .....	77	65	73	78	79	76	71	67	64	66	66	71
All other public <sup>13</sup> .....	8	7	8	8	8	7	7	6	6	5	5	5

See page 19 for footnotes.



Table 10.--Expenditures for New Construction in 1947-49 Prices,  
Annually 1915-52<sup>19</sup>

Type of construction	Expenditures (in millions): in 1947-49 prices					
	1915	1916	1917	1918	1919	1920
Total new construction <sup>2</sup> .....	\$11,532	\$12,278	\$11,837	\$11,144	\$12,154	\$10,575
Private construction .....	9,096	10,209	8,749	6,425	8,610	8,777
Residential building (nonfarm) <sup>3</sup> .....	4,569	4,842	3,584	2,311	4,022	3,398
Nonresidential building (nonfarm) <sup>4</sup> .....	1,949	2,551	2,331	1,819	2,249	3,245
Industrial .....	776	885	1,003	1,095	1,283	1,777
Commercial .....	(5)	(5)	(5)	(5)	(5)	1,069
Warehouse, office and loft buildings .....	(5)	(5)	(5)	(5)	(5)	459
Stores, restaurants, and garages .....	(5)	(5)	(5)	(5)	(5)	610
Other nonresidential building .....	(5)	(5)	(5)	(5)	(5)	399
Farm construction .....	781	975	1,127	991	1,138	902
Public utilities .....	1,538	1,632	1,563	1,181	1,083	1,110
Railroad .....	626	669	706	601	392	225
Telephone and telegraph .....	103	121	143	114	114	159
Other public utility <sup>16</sup> .....	809	842	714	466	577	726
All other private <sup>17</sup> .....	259	209	144	123	118	122
Public construction .....	2,436	2,069	3,088	4,719	3,544	1,798
Residential building <sup>7</sup> .....	0	0	0	71	30	0
Nonresidential building .....	1,009	838	632	527	505	471
Industrial .....	(5)	(5)	(5)	(5)	(5)	(8)
Educational .....	(5)	(5)	(5)	(5)	(5)	315
Hospital and institutional .....	(5)	(5)	(5)	(5)	(5)	55
Other nonresidential building .....	(5)	(5)	(5)	(5)	(5)	100
Military and naval facilities <sup>9</sup> .....	54	60	1,498	3,337	2,036	237
Highway .....	686	674	597	457	598	703
Sewer and water .....	409	292	208	195	236	231
Miscellaneous public service enterprises <sup>12</sup> .....	135	116	89	70	63	65
Conservation and development .....	139	86	62	60	74	83
All other public <sup>13</sup> .....	4	3	2	2	2	8
	1921	1922	1923	1924	1925	1926
Total new construction <sup>2</sup> .....	\$11,668	\$16,257	\$17,972	\$20,155	\$22,569	\$23,817
Private construction .....	9,109	13,210	15,323	17,028	18,913	20,070
Residential building (nonfarm) <sup>3</sup> .....	4,422	7,671	8,961	10,455	11,514	11,570
Nonresidential building (nonfarm) <sup>4</sup> .....	3,089	3,343	3,500	3,472	4,331	5,250
Industrial .....	1,270	1,081	1,134	960	1,067	1,511
Commercial .....	1,189	1,377	1,460	1,506	1,950	2,269
Warehouse, office and loft buildings .....	511	609	571	582	688	724
Stores, restaurants, and garages .....	678	768	889	924	1,262	1,545
Other nonresidential building .....	630	885	906	1,006	1,314	1,470
Farm construction .....	489	577	652	607	623	596
Public utilities .....	969	1,431	2,019	2,281	2,234	2,443
Railroad .....	275	294	553	559	620	774
Telephone and telegraph .....	132	178	208	270	318	357
Other public utility <sup>16</sup> .....	562	959	1,258	1,452	1,296	1,312
All other private <sup>17</sup> .....	140	188	191	213	211	211
Public construction .....	2,559	3,047	2,649	3,127	3,656	3,747
Residential building <sup>7</sup> .....	0	0	0	0	0	0
Nonresidential building .....	842	1,129	1,008	1,047	1,240	1,305
Industrial .....	(8)	(8)	(8)	(8)	(8)	(8)
Educational .....	596	803	725	748	866	864
Hospital and institutional .....	87	141	115	127	132	147
Other nonresidential building .....	159	185	168	172	242	294
Military and naval facilities <sup>9</sup> .....	90	49	28	16	15	20
Highway .....	1,105	1,246	1,027	1,313	1,513	1,551
Sewer and water .....	338	420	369	478	519	533
Miscellaneous public service enterprises <sup>12</sup> .....	77	90	86	122	226	213
Conservation and development .....	99	100	118	144	136	114
All other public <sup>13</sup> .....	8	13	13	7	7	11

See page 19 for footnotes.

**EXPENDITURES**

Table 10.--Expenditures for New Construction in 1947-49 Prices,  
Annually 1915-52<sup>19</sup>--Continued

Type of construction	Expenditures (in millions): in 1947-49 prices						
	1927	1928	1929	1930	1931	1932	1933
Total new construction <sup>2</sup> .....	\$23,863	\$23,122	\$20,944	\$17,552	\$14,087	\$8,993	\$6,707
Private construction .....	19,655	18,657	16,413	12,047	8,427	4,269	3,223
Residential building (nonfarm) <sup>3</sup> .....	10,818	9,958	7,250	4,261	3,486	1,658	1,237
Nonresidential building (nonfarm) <sup>4</sup> .....	5,349	5,423	5,664	4,475	2,776	1,439	1,199
Industrial .....	1,464	1,710	2,081	1,307	617	220	510
Commercial .....	2,365	2,306	2,263	1,811	1,040	598	376
Warehouse, office and loft buildings .....	772	856	1,146	1,114	570	277	106
Stores, restaurants, and garages .....	1,593	1,450	1,117	697	470	321	270
Other nonresidential building .....	1,500	1,407	1,320	1,357	1,119	621	313
Farm construction .....	714	676	622	409	238	105	139
Public utilities .....	2,539	2,395	2,687	2,742	1,805	976	546
Railroad .....	738	704	835	898	535	278	194
Telephone and telegraph .....	321	368	529	548	297	178	93
Other public utility <sup>16</sup> .....	1,480	1,323	1,323	1,296	973	520	259
All other private <sup>17</sup> .....	235	205	190	160	122	91	102
Public construction .....	4,208	4,465	4,531	5,505	5,660	4,724	3,484
Residential building <sup>7</sup> .....	0	0	0	0	0	0	0
Nonresidential building .....	1,290	1,381	1,427	1,549	1,615	1,258	714
Industrial .....	(8)	(8)	(8)	(8)	(8)	(8)	6
Educational .....	794	818	842	854	752	394	157
Hospital and institutional .....	173	234	219	277	290	252	150
Other nonresidential building .....	323	329	366	418	573	612	401
Military and naval facilities <sup>9</sup> .....	22	29	37	60	92	91	90
Highway .....	1,802	2,033	2,069	2,660	2,652	2,360	1,637
Sewer and water .....	581	560	466	645	540	356	205
Miscellaneous public service enterprises <sup>12</sup> .....	374	302	278	303	415	285	131
Conservation and development .....	117	134	212	258	312	342	684
All other public <sup>13</sup> .....	22	26	42	30	34	32	23
	1934	1935	1936	1937	1938	1939	1940
Total new construction <sup>2</sup> .....	\$7,828	\$9,152	\$13,598	\$13,714	\$13,633	\$16,173	\$16,873
Private construction .....	3,604	4,841	6,994	8,200	7,401	9,032	10,114
Residential building (nonfarm) <sup>3</sup> .....	1,513	2,506	3,753	4,024	4,146	5,485	5,913
Nonresidential building (nonfarm) <sup>4</sup> .....	1,207	1,255	1,812	2,393	1,717	1,774	2,222
Industrial .....	484	395	638	1,038	500	563	919
Commercial .....	455	561	740	866	633	649	764
Warehouse, office and loft buildings .....	143	167	246	272	184	155	173
Stores, restaurants, and garages .....	312	394	494	594	449	494	591
Other nonresidential building .....	268	299	434	489	584	562	539
Farm construction .....	166	314	394	460	407	508	573
Public utilities .....	645	709	988	1,247	1,077	1,214	1,347
Railroad .....	256	232	293	367	226	262	312
Telephone and telegraph .....	93	100	126	186	176	178	224
Other public utility <sup>16</sup> .....	296	377	569	694	675	774	811
All other private <sup>17</sup> .....	73	57	47	56	54	51	59
Public construction .....	4,224	4,311	6,604	5,514	6,232	7,141	6,759
Residential building <sup>7</sup> .....	2	22	146	200	73	130	395
Nonresidential building .....	1,031	930	1,900	1,273	1,562	2,215	1,320
Industrial .....	28	5	10	4	26	51	336
Educational .....	402	432	992	587	714	1,069	332
Hospital and institutional .....	143	107	199	169	222	298	124
Other nonresidential building .....	458	386	699	513	600	797	528
Military and naval facilities <sup>9</sup> .....	107	85	65	77	131	265	791
Highway .....	1,707	1,513	2,249	2,153	2,605	2,588	2,516
Sewer and water .....	317	335	586	496	546	587	531
Miscellaneous public service enterprises <sup>12</sup> .....	96	124	270	192	203	205	196
Conservation and development .....	883	1,200	1,114	940	868	895	829
All other public <sup>13</sup> .....	81	102	274	183	244	256	181

See page 19 for footnotes.

## EXPENDITURES

Table 10.--Expenditures for New Construction in 1947-49 Prices,  
Annually 1915-52<sup>19</sup>--Continued

Type of construction	Expenditures (in millions): in 1947-49 prices						
	1941	1942	1943	1944	1945	1946	1947
Total new construction <sup>2</sup> .....	\$21,821	\$22,944	\$12,841	\$8,173	\$8,439	\$15,546	\$17,795
Private construction .....	11,527	5,844	3,171	3,353	4,777	12,549	14,112
Residential building (nonfarm) <sup>3</sup> .....	6,428	2,995	1,466	1,247	1,562	5,170	6,707
Nonresidential building (nonfarm) <sup>4</sup> .....	2,941	1,128	386	598	1,636	4,485	3,375
Industrial .....	1,514	578	245	345	998	2,133	1,817
Commercial .....	840	286	58	96	337	1,597	921
Warehouse, office and loft buildings .....	222	102	22	26	86	417	251
Stores, restaurants, and garages .....	618	184	36	70	251	1,180	670
Other nonresidential building .....	587	264	82	157	301	755	637
Farm construction .....	666	490	473	425	377	1,097	1,459
Public utilities .....	1,438	1,201	835	1,065	1,172	1,731	2,496
Railroad .....	324	295	297	346	351	312	339
Telephone and telegraph .....	308	247	91	124	166	390	522
Other public utility <sup>16</sup> .....	806	659	447	595	655	1,029	1,635
All other private <sup>17</sup> .....	54	30	11	18	30	66	75
Public construction .....	10,294	17,100	9,670	4,820	3,662	2,997	3,683
Residential building <sup>7</sup> .....	788	940	1,229	325	115	474	223
Nonresidential building .....	3,129	6,114	3,200	2,273	1,527	495	644
Industrial .....	2,386	5,638	2,938	2,037	1,212	145	102
Educational .....	319	251	118	74	102	146	309
Hospital and institutional .....	91	68	82	104	147	125	92
Other nonresidential building .....	333	157	62	58	66	79	141
Military and naval facilities <sup>9</sup> .....	3,096	8,060	3,834	1,302	1,065	245	217
Highway .....	1,813	962	529	472	535	1,089	1,543
Sewer and water .....	377	250	163	117	138	244	379
Miscellaneous public service enterprises <sup>12</sup> .....	185	109	73	69	80	125	177
Conservation and development .....	764	567	435	241	186	302	424
All other public <sup>13</sup> .....	142	98	207	21	16	23	76
	1948	1949	1950	1951	1952	Percent change, 1951-52	
Total new construction <sup>2</sup> .....	\$20,759	\$22,180	\$26,608	\$26,742	\$27,355	+ 2.3	
Private construction .....	16,156	15,956	19,885	18,504	18,177	- 1.8	
Residential building (nonfarm) <sup>3</sup> .....	8,167	8,128	11,634	9,457	9,311	- 1.5	
Nonresidential building (nonfarm) <sup>4</sup> .....	3,474	3,124	3,566	4,494	4,211	- 6.3	
Industrial .....	1,338	954	1,004	1,790	1,909	+ 6.6	
Commercial .....	1,208	990	1,224	1,233	986	- 20.0	
Warehouse, office and loft buildings .....	344	313	396	500	461	- 7.8	
Stores, restaurants, and garages .....	864	677	828	733	525	- 28.4	
Other nonresidential building <sup>14</sup> .....	928	1,180	1,338	1,471	1,316	- 10.5	
Farm construction .....	1,485	1,479	1,583	1,443	1,392	- 3.5	
Public utilities .....	2,966	3,151	3,001	3,056	3,194	+ 4.5	
Railroad .....	365	342	299	352	373	+ 6.0	
Telephone and telegraph .....	701	526	402	413	470	+ 13.8	
Other public utility <sup>16</sup> .....	1,900	2,283	2,300	2,291	2,351	+ 2.6	
All other private <sup>17</sup> .....	64	74	101	54	69	+ 27.8	
Public construction .....	4,603	6,224	6,723	8,238	9,178	+ 11.4	
Residential building <sup>7</sup> .....	149	353	321	512	550	+ 7.4	
Nonresidential building .....	1,241	1,990	2,237	3,026	3,451	+ 14.0	
Industrial .....	186	173	212	797	1,370	+ 71.9	
Educational .....	591	897	1,061	1,337	1,375	+ 2.8	
Hospital and institutional .....	212	458	467	466	401	- 13.9	
Other nonresidential building .....	252	462	497	426	305	- 28.4	
Military and naval facilities <sup>9</sup> .....	152	134	171	788	1,195	+ 51.6	
Highway .....	1,668	2,131	2,367	2,349	2,525	+ 7.5	
Sewer and water .....	520	586	590	606	561	- 7.4	
Miscellaneous public service enterprises <sup>12</sup> .....	180	190	164	168	148	- 11.9	
Conservation and development .....	608	750	786	721	694	- 3.7	
All other public <sup>13</sup> .....	85	90	87	68	54	- 20.6	

See page 19 for footnotes.

# EXPENDITURES

Table 11.--Expenditures for New Public Construction, by Source of Funds, Annually 1915-52 <sup>20</sup>

Source of funds	Expenditures (in millions)									
	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924
Total new public construction	\$719	\$708	\$1,279	\$2,238	\$1,976	\$1,352	\$1,564	\$1,664	\$1,622	\$1,901
Federal funds <sup>21, 22</sup> .....	71	66	659	1,644	1,227	327	200	178	185	211
State and local funds <sup>23</sup> ...	648	642	620	594	749	1,025	1,364	1,506	1,437	1,690
	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934
Total new public construction	\$2,138	\$2,144	\$2,409	\$2,485	\$2,486	\$2,858	\$2,659	\$1,862	\$1,648	\$2,211
Federal funds <sup>21, 22</sup> .....	189	174	179	207	235	313	506	444	802	1,347
State and local funds <sup>23</sup> ...	1,949	1,970	2,230	2,278	2,251	2,545	2,153	1,418	846	864
	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944
Total new public construction	\$2,233	\$3,516	\$3,096	\$3,420	\$3,809	\$3,628	\$5,751	\$10,660	\$6,322	\$3,073
Federal funds <sup>21, 22</sup> .....	1,381	2,363	1,893	2,037	2,136	2,128	4,448	9,788	5,877	2,631
State and local funds <sup>23</sup> ...	852	1,153	1,203	1,383	1,673	1,500	1,303	872	445	442
	1945	1946	1947	1948	1949	1950	1951	1952	Percent change, 1951-52	
Total new public construction	\$2,398	\$2,362	\$3,433	\$4,825	\$6,405	\$7,000	\$9,331	\$10,826	+ 16.0	
Federal funds <sup>21, 22</sup> .....	1,836	1,114	1,249	1,594	1,949	2,090	3,433	4,783	+ 39.3	
State and local funds <sup>23</sup> ...	562	1,248	2,184	3,231	4,456	4,910	5,898	6,043	+ 2.5	

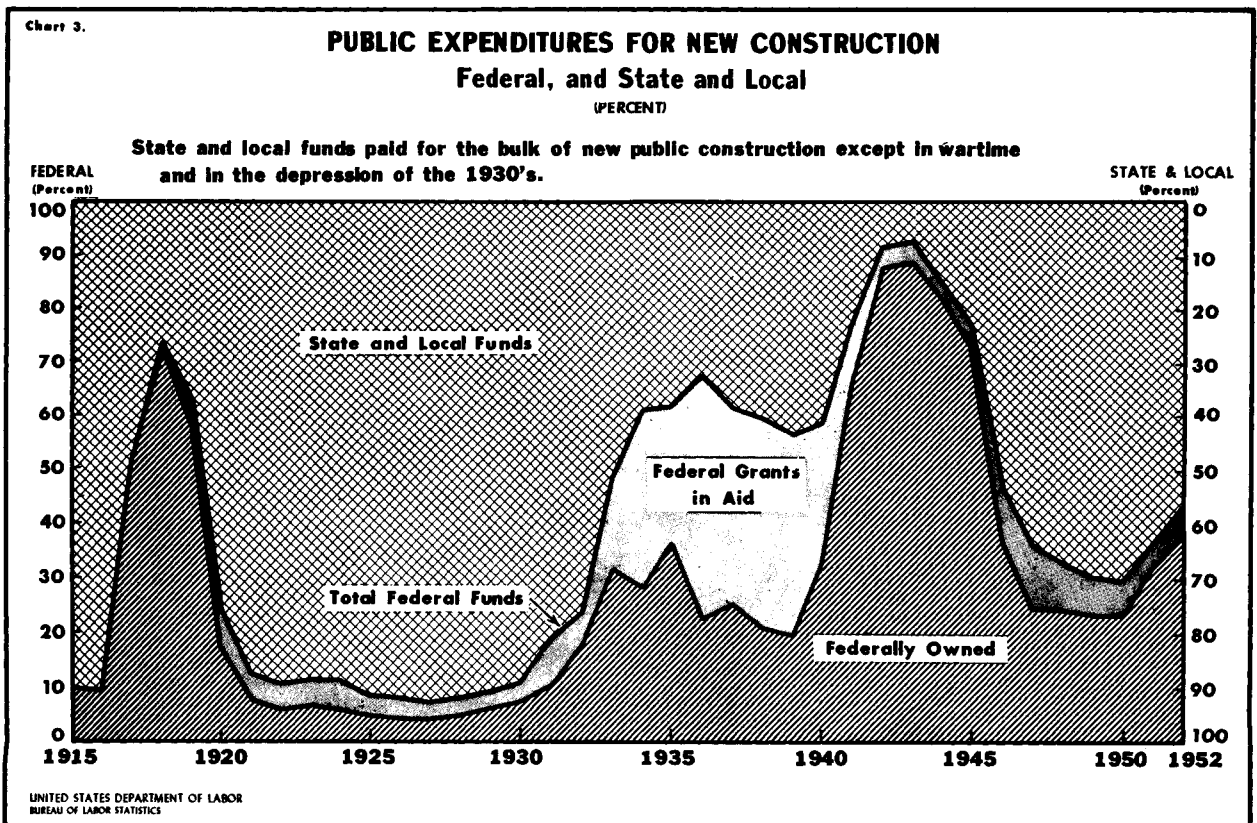
See page 19 for footnotes.

Table 12.--Expenditures for New Public Construction, by Source of Funds, and Type of Construction, Monthly 1952 <sup>26</sup>

Source of funds and type of construction	1952 expenditures (in millions)											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total new public construction .....	\$656	\$630	\$716	\$848	\$937	\$1,009	\$1,045	\$1,088	\$1,131	\$1,087	\$924	\$755
Federal funds <sup>21</sup> .....	282	270	315	369	407	443	460	484	497	473	419	364
Residential building ..	0	0	0	1	2	2	3	3	2	1	1	1
Nonresidential building	114	109	127	147	161	176	186	202	204	192	176	163
Industrial .....	92	90	104	121	135	149	161	176	177	166	154	142
Hospital <sup>22</sup> .....	13	12	14	15	14	15	13	14	13	13	11	10
Other nonresidential building .....	9	7	9	11	12	12	12	12	14	13	11	11
Military and naval facilities <sup>9</sup> .....	89	84	101	114	119	125	128	134	134	128	121	111
Highway .....	15	20	21	37	51	61	63	66	72	67	45	21
Conservation and development .....	62	56	65	68	71	76	77	76	81	81	74	67
All other <sup>24</sup> .....	2	1	1	2	3	3	3	3	4	4	2	1
State and local funds <sup>23</sup>	374	360	401	479	530	566	585	604	634	614	505	391
Residential building <sup>7</sup>	63	59	55	54	54	51	51	53	52	50	48	48
Nonresidential building	172	166	172	177	179	181	185	190	189	187	185	179
Educational .....	125	123	126	128	219	129	131	133	132	130	129	127
Hospital .....	24	23	24	26	27	27	28	29	28	27	27	26
Other nonresidential building .....	23	20	22	23	23	25	26	28	29	30	29	26
Highway .....	72	73	104	173	217	252	265	276	308	295	195	91
Sewer and water .....	50	48	52	56	60	62	64	63	62	61	58	56
All other <sup>25</sup> .....	17	14	18	19	20	20	20	22	23	21	19	17

See page 19 for footnotes.

<sup>1</sup> Joint national estimates of the Bureau of Labor Statistics, U. S. Department of Labor, and the Building Materials and Construction Division, U. S. Department of Commerce. Estimated construction expenditures represent the monetary value of the volume of work accomplished in continental United States during the indicated period of time. These figures should be differentiated from permit valuation data reported in the section on urban building authorized, and the data on value of contract awards in the section on Federal contract awards. <sup>2</sup> Includes major additions and alterations. <sup>3</sup> Includes hotels, dormitories, and tourist courts and cabins. <sup>4</sup> Expenditures by privately owned public utilities for nonresidential building are included under "Public utilities." <sup>5</sup> Unavailable separately; included in total. <sup>6</sup> Covers privately owned roads and bridges, and miscellaneous nonbuilding items, such as parks and playgrounds. <sup>7</sup> Includes nonhousekeeping public residential construction, as well as housekeeping units. <sup>8</sup> Public industrial and commercial building not segregable from private for 1920 through 1932, but the amount involved is negligible. <sup>9</sup> Covers all types of construction, building as well as nonbuilding, at military establishments of the Department of Defense (except for production facilities, which are included in public industrial building). <sup>10</sup> Covers, primarily, roads in national parks and forests. Federal contributions to State and local highway systems under Federal-aid programs are included in the "State," "County," or "Municipal" data, according to ownership of the aided systems. <sup>11</sup> Data not available; amounts believed to be negligible. <sup>12</sup> Covers, primarily, publicly owned airports, electric light and power systems, and local transit facilities. <sup>13</sup> Covers public construction not elsewhere classified, such as parks, playgrounds, memorials, etc. <sup>14</sup> Includes Federal contributions toward construction of private nonprofit hospital facilities under the National Hospital Program. <sup>15</sup> Less than \$500,000. <sup>16</sup> Covers, primarily, electric light and power, and gas utilities. <sup>17</sup> Covers privately owned sewer and water facilities, roads and bridges, and miscellaneous nonbuilding items, such as parks and playgrounds. <sup>18</sup> Seasonally adjusted monthly expenditures estimates shown in this table are derived from the unadjusted estimates presented in table 8 by applying appropriate factors to eliminate purely seasonal influences. <sup>19</sup> Expenditures estimates in terms of constant dollars shown in this table are derived from the unadjusted estimates presented in table 7 by applying appropriate factors to eliminate price and wage fluctuations, and thus show comparisons of the physical volume of construction accomplished. <sup>20</sup> Expenditures estimates for total public construction presented in tables 7 and 8 are identical with those distributed by source of funds in tables 11 and 12. <sup>21</sup> Covers grants to State and local governments for construction under Federal-aid programs, as well as expenditures for construction of federally owned projects. <sup>22</sup> Does not include Federal aid to privately owned nonprofit hospitals under the National Hospital Program. <sup>23</sup> Covers State and local contributions for construction under Federal-aid programs, as well as total expenditures for State and local construction financed independently of such programs. <sup>24</sup> Covers Federal construction not elsewhere classified, principally airfield construction. <sup>25</sup> Covers non-Federal public construction not elsewhere classified, such as airports, publicly owned utilities, parks, etc.



# EMPLOYMENT

Table 13.--Employment by Construction Contractors, Annually 1919-38, Annually and Monthly 1939-52<sup>1</sup>

(Average number of workers in thousands)

Annually 1919-38								
Year	Annual average	Year	Annual average	Year	Annual average	Year	Annual average	
1919 .....	1,021	1921 .....	1,321	1929 .....	1,497	1934 .....	862	
1920 .....	848	1925 .....	1,446	1930 .....	1,372	1935 .....	912	
1921 .....	1,012	1926 .....	1,555	1931 .....	1,214	1936 .....	1,145	
1922 .....	1,185	1927 .....	1,608	1932 .....	970	1937 .....	1,112	
1923 .....	1,229	1928 .....	1,606	1933 .....	809	1938 .....	1,055	
Annually and monthly, 1939-52								
	1939	1940	1941	1942	1943	1944	1945	1946
Annual average ....	1,150	1,294	1,790	2,170	1,567	1,094	1,132	1,661
January .....	927	904	1,606	1,675	1,835	1,114	950	1,220
February .....	916	930	1,567	1,649	1,780	1,068	959	1,251
March .....	1,035	1,015	1,532	1,834	1,764	1,061	1,002	1,375
April .....	1,132	1,146	1,644	2,040	1,741	1,075	1,053	1,528
May .....	1,234	1,260	1,738	2,222	1,694	1,109	1,093	1,617
June .....	1,272	1,300	1,803	2,403	1,669	1,147	1,147	1,701
July .....	1,285	1,342	1,956	2,565	1,580	1,153	1,187	1,802
August .....	1,312	1,371	2,014	2,577	1,524	1,157	1,232	1,887
September .....	1,285	1,469	2,035	2,530	1,451	1,125	1,232	1,923
October .....	1,234	1,550	1,969	2,370	1,343	1,092	1,252	1,910
November .....	1,161	1,607	1,879	2,212	1,272	1,057	1,266	1,887
December .....	1,010	1,629	1,734	1,957	1,147	969	1,215	1,826
	1947	1948	1949	1950	1951	1952	Percent change, 1951-52	
Annual average ....	1,982	2,169	2,165	2,333	2,588	2,572	- .6	
January .....	1,702	1,929	2,022	1,928	2,299	2,331	+ 1.4	
February .....	1,681	1,793	1,932	1,870	2,244	2,324	+ 3.6	
March .....	1,727	1,879	1,953	1,916	2,338	2,313	- 1.1	
April .....	1,842	2,021	2,043	2,086	2,486	2,435	- 2.1	
May .....	1,936	2,157	2,145	2,258	2,615	2,543	- 2.8	
June .....	2,084	2,293	2,215	2,430	2,706	2,690	- .6	
July .....	2,129	2,353	2,286	2,549	2,775	2,751	- .9	
August .....	2,193	2,389	2,350	2,647	2,830	2,812	- .6	
September .....	2,193	2,375	2,351	2,646	2,790	2,794	(2)	
October .....	2,166	2,340	2,324	2,652	2,783	2,728	- 2.0	
November .....	2,102	2,294	2,256	2,592	2,653	2,648	(2)	
December .....	2,031	2,206	2,098	2,422	2,536	2,497	- 1.5	

<sup>1</sup> Data cover full- and part-time employees who worked during, or received pay for, the payroll period ending nearest the 15th of the month. They cover all site and off-site wage and salaried employees of private firms whose major activity is construction, but exclude self-employed construction workers, working proprietors, and force-account employees of nonconstruction firms and public agencies engaged in construction activities. Force-account employees are workers hired not through a contractor, but directly by a business or government agency, and utilized as a separate work force to perform nonmaintenance construction work on the agency's own properties.

Based currently upon monthly reports to the Bureau of Labor Statistics or to State agencies from a representative group of firms in each State. The base figures to which these monthly reports are applied are from unemployment compensation agencies and the Bureau of Old-Age and Survivors Insurance. The employment figures have been adjusted to the first quarter 1951 benchmark level indicated by data from these government social-insurance programs; in general, State and area data are based on 1952 benchmark levels.

<sup>2</sup> Less than 0.5 of 1 percent.

Table 14.--Employment by Construction Contractors, by Type of Contractor, Annually 1945-51, Monthly 1952<sup>1</sup>

Type of contractor	Average number of workers (in thousands)						
	1945	1946	1947	1948	1949	1950	1951
<b>All contractors .....</b>	<b>1,132</b>	<b>1,661</b>	<b>1,982</b>	<b>2,169</b>	<b>2,165</b>	<b>2,333</b>	<b>2,588</b>
<b>Building construction .....</b>	<b>894</b>	<b>1,358</b>	<b>1,595</b>	<b>1,753</b>	<b>1,736</b>	<b>1,885</b>	<b>2,098</b>
General contractors .....	379	641	735	807	779	844	950
Special trade contractors ...	515	717	860	946	957	1,041	1,148
Plumbing and heating .....	124	176	218	238	242	263	287
Painting and decorating ...	85	112	120	125	134	131	156
Electrical work .....	76	94	116	123	122	123	140
Other special trades .....	230	335	406	459	469	524	565
<b>Nonbuilding construction .....</b>	<b>239</b>	<b>303</b>	<b>387</b>	<b>416</b>	<b>428</b>	<b>448</b>	<b>490</b>
Highway and street .....	96	138	169	172	178	183	201
Other .....	143	165	218	244	250	265	289
	1952						
	Jan.	Feb.	Mar.	Apr.	May	June	July
<b>All contractors .....</b>	<b>2,331</b>	<b>2,324</b>	<b>2,313</b>	<b>2,435</b>	<b>2,543</b>	<b>2,690</b>	<b>2,751</b>
<b>Building construction .....</b>	<b>1,934</b>	<b>1,922</b>	<b>1,907</b>	<b>1,972</b>	<b>2,033</b>	<b>2,142</b>	<b>2,189</b>
General contractors .....	845	845	840	870	903	966	988
Special trade contractors ...	1,089	1,077	1,067	1,102	1,130	1,176	1,201
Plumbing and heating .....	284	278	275	273	274	284	292
Painting and decorating ...	136	133	135	146	161	164	173
Electrical work .....	147	146	145	145	147	152	156
Other special trades .....	522	520	512	538	548	576	580
<b>Nonbuilding construction .....</b>	<b>397</b>	<b>402</b>	<b>406</b>	<b>463</b>	<b>510</b>	<b>548</b>	<b>562</b>
Highway and street .....	142	145	145	182	219	241	249
Other .....	255	257	261	281	291	307	313
	Aug.	Sept.	Oct.	Nov.	Dec.	Year	Percent change, 1951-52
<b>All contractors .....</b>	<b>2,812</b>	<b>2,794</b>	<b>2,728</b>	<b>2,648</b>	<b>2,497</b>	<b>2,572</b>	<b>- 0.6</b>
<b>Building construction .....</b>	<b>2,223</b>	<b>2,210</b>	<b>2,159</b>	<b>2,124</b>	<b>2,037</b>	<b>2,071</b>	<b>- 1.3</b>
General contractors .....	1,003	986	961	940	888	920	- 3.2
Special trade contractors ...	1,220	1,224	1,198	1,184	1,149	1,151	+ .3
Plumbing and heating .....	295	296	297	297	292	286	- .3
Painting and decorating ...	174	178	166	163	148	157	+ .6
Electrical work .....	157	158	155	153	154	151	+ 7.9
Other special trades .....	594	592	580	571	555	557	- 1.4
<b>Nonbuilding construction .....</b>	<b>589</b>	<b>584</b>	<b>569</b>	<b>524</b>	<b>460</b>	<b>501</b>	<b>+ 2.2</b>
Highway and street .....	262	259	250	223	176	208	+ 3.5
Other .....	327	325	319	301	284	293	+ 1.4

<sup>1</sup>See table 13, footnote 1.

# EMPLOYMENT

Table 15.--Employment by Construction Contractors in the United States and Selected States, Annually 1947-52<sup>1</sup>

State	Average number of workers (in thousands)						Percent change, 1951-52
	1947	1948	1949	1950	1951	1952	
United States total .....	1982.0	2169.0	2165.0	2333.0	2588.0	2572.0	- 0.6
<b>Selected States:</b>							
Alabama .....	24.1	25.7	27.0	28.2	34.8	39.2	+ 12.6
Arizona .....	11.1	12.6	10.3	12.1	13.6	15.6	+ 14.7
Arkansas .....	15.9	16.8	16.1	18.2	23.7	21.1	- 11.0
California .....	202.4	225.2	197.5	225.8	242.8	223.7	- 7.9
Colorado .....	17.2	19.2	19.1	22.1	26.9	29.1	+ 8.2
Connecticut <sup>2</sup> .....	29.7	32.7	33.6	37.8	41.6	42.7	+ 2.6
District of Columbia .....	18.4	20.6	19.2	22.1	20.9	19.0	- 9.1
Florida .....	54.4	57.7	52.2	66.8	73.1	74.2	+ 1.5
Georgia .....	36.0	36.0	34.8	40.3	46.4	45.0	- 3.0
Idaho .....	7.1	7.8	9.0	10.5	12.4	10.0	- 19.4
Illinois .....	118.7	130.4	132.8	139.5	164.8	172.6	+ 4.7
Indiana .....	47.8	52.2	50.2	53.6	64.0	64.4	+ .6
Iowa .....	28.1	29.1	28.3	32.5	34.1	31.0	- 9.1
Kansas .....	23.3	27.5	27.3	30.5	37.6	38.7	+ 2.9
Louisiana .....	32.7	43.4	44.3	46.4	52.3	55.7	+ 6.5
Maine .....	11.8	11.4	8.7	8.6	12.4	12.0	- 3.2
Maryland .....	46.5	52.4	46.1	52.2	55.4	55.9	+ .9
Massachusetts .....	63.4	69.4	65.6	73.1	73.8	66.2	- 10.3
Minnesota .....	37.0	38.3	34.7	39.3	43.0	40.2	- 6.5
Missouri .....	45.3	46.7	44.2	52.9	62.1	63.4	+ 2.1
Montana .....	7.3	9.1	9.7	10.5	10.6	10.7	+ .9
Nebraska .....	15.2	17.7	17.4	18.9	19.2	19.2	0
Nevada .....	5.0	4.9	4.3	4.5	4.7	6.7	+ 42.6
New Hampshire .....	7.5	7.6	7.4	6.8	7.2	6.5	- 9.7
New Jersey .....	67.6	76.9	75.0	83.8	98.4	93.9	- 4.6
New Mexico .....	10.5	12.5	14.9	16.4	15.9	13.6	- 14.5
New York .....	195.8	209.8	206.8	229.0	232.4	218.5	- 6.0
North Carolina .....	40.2	43.1	40.7	48.0	62.9	59.4	- 5.6
North Dakota .....	4.7	6.8	7.8	8.1	8.5	8.1	- 4.7
Ohio .....	109.7	119.9	113.1	119.4	141.1	150.5	+ 6.7
Oklahoma .....	23.3	26.8	29.6	31.2	32.3	31.4	- 2.8
Oregon .....	24.6	25.5	23.2	26.3	27.4	24.9	- 9.1
Pennsylvania .....	139.7	152.5	149.1	152.5	167.1	161.7	- 3.2
Rhode Island .....	9.5	11.6	12.2	14.2	15.6	16.4	+ 5.1
South Carolina .....	22.5	25.8	21.7	24.3	37.9	57.5	+ 51.7
South Dakota .....	5.8	7.6	8.1	8.9	9.0	7.7	- 14.4
Tennessee .....	39.6	40.0	36.2	46.2	51.2	48.6	- 5.1
Texas .....	128.8	145.9	131.0	138.4	170.3	171.4	+ .6
Utah .....	9.1	11.2	10.7	12.2	13.0	11.9	- 8.5
Vermont .....	4.3	4.5	4.4	3.9	3.6	3.5	- 2.8
Virginia .....	42.5	45.3	47.1	50.5	60.9	63.1	+ 3.6
Washington .....	38.3	50.3	42.1	42.7	47.1	45.8	- 2.8
West Virginia .....	18.1	21.0	19.8	19.5	18.7	15.8	- 15.5
Wisconsin .....	37.7	42.3	45.5	48.5	52.1	50.2	- 3.6
Wyoming .....	5.7	7.6	7.7	6.8	6.5	6.9	+ 6.2

<sup>1</sup> See table 13, footnote 1.

State data are prepared in cooperation with various State agencies. For general methodology and addresses of these State agencies, see U.S. Department of Labor, Employment and Payrolls Monthly Statistical Report.

<sup>2</sup> Includes a small number of employees in mining.



Table 16.--Employment by Construction Contractors in the United States and Selected States, Monthly 1952<sup>1</sup>

State	Average number of workers (in thousands)											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
United States total . . . .	2331.0	2324.0	2313.0	2435.0	2543.0	2690.0	2751.0	2812.0	2794.0	2728.0	2648.0	2497.0
<b>Selected States:</b>												
Alabama .....	38.3	38.2	37.1	37.8	38.9	41.2	43.0	44.1	42.1	38.0	37.0	35.4
Arizona .....	13.7	14.3	14.3	14.6	14.9	15.3	16.1	16.3	17.0	17.1	16.6	16.8
Arkansas .....	18.9	19.8	21.1	20.5	21.3	22.6	25.4	25.6	22.8	18.6	18.0	18.6
California .....	208.2	213.6	203.8	193.7	184.2	218.5	226.6	249.0	252.9	253.6	246.4	233.5
Colorado .....	27.2	26.6	25.9	26.4	28.0	29.5	30.0	31.5	32.6	32.1	31.2	28.0
Connecticut <sup>2</sup> .....	38.0	37.7	38.1	41.8	43.4	45.8	46.6	45.7	45.0	44.9	43.4	41.5
District of Columbia .	19.4	18.8	19.1	18.9	19.0	19.3	19.4	19.4	18.8	18.9	18.4	18.3
Florida .....	74.9	71.4	69.3	68.1	70.1	72.4	74.0	74.6	76.6	77.2	79.6	81.8
Georgia .....	42.7	43.2	43.3	45.0	46.0	49.1	49.7	48.2	45.2	44.0	42.0	41.2
Idaho .....	8.8	8.8	8.2	9.5	10.4	10.8	11.3	11.7	11.2	10.7	10.6	8.3
Illinois .....	148.5	152.0	152.6	165.8	175.7	183.4	192.6	192.6	189.0	182.4	173.7	162.3
Indiana .....	58.2	58.1	59.4	65.1	69.1	68.7	70.8	71.2	68.3	66.6	61.8	56.2
Iowa .....	25.0	24.3	24.1	28.7	31.9	35.0	36.3	36.8	36.1	34.7	32.3	27.0
Kansas .....	34.3	35.0	33.2	37.5	40.5	43.4	41.6	43.8	40.2	40.4	38.7	35.4
Louisiana .....	48.3	47.6	48.7	52.1	49.6	56.0	59.9	61.3	61.2	62.8	61.4	59.5
Maine .....	11.7	10.3	9.0	10.4	12.2	12.8	13.4	13.8	14.1	13.5	12.4	11.0
Maryland .....	50.2	50.9	51.4	51.9	57.6	60.3	61.4	59.5	58.5	57.0	55.7	53.4
Massachusetts .....	62.2	59.0	59.3	66.9	68.3	72.6	72.5	70.3	71.0	67.3	63.2	60.0
Minnesota .....	38.4	35.6	36.0	36.4	38.6	41.3	42.4	43.9	43.9	43.9	42.8	39.6
Missouri .....	55.5	55.6	55.4	60.6	64.1	66.4	67.7	68.0	68.6	68.0	67.2	63.3
Montana .....	5.9	6.2	7.0	10.3	12.5	13.7	14.1	14.2	13.9	12.1	10.2	8.7
Nebraska .....	14.1	14.4	14.4	25.6	20.1	21.1	21.6	21.4	21.4	21.0	19.8	16.2
Nevada .....	5.0	5.6	6.3	6.9	7.2	7.4	7.8	7.7	7.4	6.5	6.3	6.1
New Hampshire .....	5.9	5.7	5.7	6.0	6.6	6.8	7.3	7.1	6.9	6.9	6.7	6.2
New Jersey .....	86.0	82.7	84.2	88.7	93.5	95.2	99.6	101.4	100.2	99.5	99.3	96.1
New Mexico .....	12.8	13.2	13.5	13.5	13.4	13.9	14.3	14.7	15.2	13.9	12.9	12.3
New York .....	192.3	187.1	189.8	210.3	222.6	231.4	233.0	236.3	237.3	234.1	230.8	217.7
North Carolina .....	57.1	56.5	55.8	57.6	59.6	63.3	63.2	61.2	60.0	59.7	59.9	59.2
North Dakota .....	4.1	3.9	4.1	5.7	9.6	10.6	11.5	11.3	11.4	10.1	8.7	6.7
Ohio .....	130.7	132.3	135.0	139.0	148.8	156.7	160.4	164.9	172.0	164.4	157.6	144.5
Oklahoma .....	29.8	30.7	30.9	32.9	32.8	32.9	31.7	32.7	32.0	31.3	29.9	29.4
Oregon .....	20.3	20.9	21.6	23.7	24.2	24.6	27.4	29.7	29.1	27.7	26.1	23.1
Pennsylvania .....	146.8	144.7	146.1	155.8	160.4	164.4	167.5	177.0	178.5	174.9	167.8	156.0
Rhode Island .....	14.4	13.4	13.6	15.0	17.4	17.7	18.5	18.2	18.0	17.6	17.1	16.2
South Carolina .....	49.7	52.5	54.0	55.3	56.8	59.5	60.3	61.7	61.9	60.7	60.0	57.0
South Dakota .....	6.5	6.0	5.7	6.8	8.5	9.5	9.4	9.4	8.8	8.3	7.6	6.0
Tennessee .....	43.5	43.0	42.6	45.9	46.9	49.3	54.4	53.7	51.8	52.1	50.2	49.3
Texas .....	166.1	165.0	165.6	166.0	171.0	176.1	179.6	181.6	172.1	172.6	172.1	168.6
Utah .....	8.7	8.8	8.4	10.5	12.3	13.2	14.0	14.5	14.3	14.0	13.4	11.0
Vermont .....	2.8	2.6	2.6	2.7	3.4	3.9	4.1	4.4	4.2	4.2	3.9	3.5
Virginia .....	57.7	57.9	57.6	63.0	64.5	68.4	70.2	70.6	66.5	61.7	60.0	58.8
Washington .....	38.2	41.3	45.4	47.9	48.2	48.8	49.8	48.9	47.8	46.8	44.6	42.1
West Virginia .....	15.3	14.9	15.1	14.5	15.5	16.7	15.9	17.0	17.1	16.7	15.5	14.8
Wisconsin .....	44.7	43.3	42.3	42.3	44.6	53.2	56.6	58.3	57.4	56.3	54.0	50.0
Wyoming .....	4.6	4.3	4.5	6.1	7.4	8.0	8.3	8.6	8.0	8.4	8.1	7.0

<sup>1</sup> See table 15, footnote 1. <sup>2</sup> Includes a small number of employees in mining.

# EMPLOYMENT

Table 17.--Employment by Construction Contractors in 62 Selected Areas, Annually 1949-52<sup>1</sup>

Area	Average number of workers (in thousands)				Percent change, 1951-52
	1949	1950	1951	1952	
Albany-Schenectady-Troy, N. Y. . . . .	(2)	(2)	7.0	6.7	- 4.3
Albuquerque, N. Mex. . . . .	5.4	6.2	5.3	4.5	- 15.1
Atlanta, Ga. . . . .	13.9	16.3	18.4	14.5	- 21.2
Baltimore, Md. . . . .	29.5	33.5	37.3	38.7	+ 3.8
Binghamton, N. Y. . . . .	(2)	(2)	2.8	2.6	- 7.1
Birmingham, Ala. . . . .	(2)	(2)	(2)	10.9	--
Boise, Idaho . . . . .	(2)	(2)	2.1	1.8	- 14.3
Boston, Mass. . . . .	(2)	(2)	44.3	44.5	+ .5
Bridgeport, Conn. <sup>3</sup> . . . . .	(2)	4.9	5.4	5.5	+ 1.9
Buffalo, N. Y. . . . .	(2)	(2)	18.4	17.8	- 3.3
Charleston, S. C. . . . .	(2)	(2)	3.4	4.1	+ 20.6
Charleston, W. Va. . . . .	5.0	5.0	4.0	3.8	- 5.0
Charlotte, N. C. . . . .	(2)	7.0	6.9	6.5	- 5.8
Chattanooga, Tenn. . . . .	2.9	3.4	3.8	3.5	- 7.9
Denver, Colo. . . . .	12.2	14.2	18.3	18.4	+ .5
Des Moines, Iowa . . . . .	(2)	(2)	4.8	4.0	- 16.7
Duluth, Minn. . . . .	1.9	2.2	2.2	1.9	- 13.6
Hartford, Conn. <sup>3</sup> . . . . .	(2)	8.4	8.9	9.5	+ 6.7
Indianapolis, Ind. . . . .	10.8	12.2	13.7	10.9	- 20.4
Jacksonville, Fla. . . . .	(2)	8.2	9.3	9.1	- 2.2
Kansas City, Mo. . . . .	15.4	16.7	21.6	18.5	- 14.4
Knoxville, Tenn. . . . .	6.4	9.3	9.4	5.9	- 37.2
Lewiston, Maine . . . . .	(2)	(2)	1.0	1.1	+ 10.0
Little Rock-N. Little Rock, Ark. . . . .	4.9	5.6	5.9	5.3	- 10.2
Los Angeles, Calif. . . . .	88.3	102.1	107.8	96.7	- 10.3
Manchester, N. H. . . . .	1.5	1.6	1.5	1.3	- 13.3
Memphis, Tenn. . . . .	8.9	10.0	10.2	11.4	+ 11.8
Miami, Fla. . . . .	(2)	18.4	17.9	17.1	- 4.5
Minneapolis, Minn. . . . .	12.4	14.0	15.7	13.7	- 12.7
Nashville, Tenn. <sup>3</sup> . . . . .	7.2	8.8	8.7	8.8	+ 1.1
New Bedford, Mass. . . . .	(2)	(2)	1.6	1.4	- 12.5
New Britain, Conn. <sup>3</sup> . . . . .	(2)	1.0	1.0	1.0	0
New Haven, Conn. <sup>3</sup> . . . . .	(2)	5.5	6.2	6.0	- 3.2
New York, N. Y. . . . .	110.2	122.4	115.2	101.3	- 12.1
Oklahoma City, Okla. . . . .	(2)	11.0	11.0	10.6	- 3.6
Omaha, Nebr. . . . .	(2)	7.2	7.1	7.8	+ 9.9
Phoenix, Ariz. . . . .	5.7	6.7	8.0	7.6	- 5.0
Portland, Maine . . . . .	2.1	2.4	2.9	2.9	0
Portland, Oreg. . . . .	(2)	13.8	14.5	13.7	- 5.5
Providence, R. I. . . . .	10.5	12.4	13.8	14.5	+ 5.1
Reno, Nev. . . . .	1.5	1.7	1.6	1.7	+ 6.3
Rochester, N. Y. . . . .	(2)	(2)	8.2	8.3	+ 1.2
St. Paul, Minn. . . . .	6.1	7.3	7.4	6.7	- 9.5
Salt Lake City, Utah . . . . .	6.4	7.4	7.6	6.7	- 11.8
San Diego, Calif. . . . .	8.2	10.1	12.7	13.4	+ 5.5
San Francisco, Calif. . . . .	50.3	57.0	61.4	56.5	- 8.0
Savannah, Ga. . . . .	1.8	2.1	2.7	3.9	+ 44.4
Seattle, Wash. . . . .	12.1	13.4	12.9	12.3	- 4.7
Spokane, Wash. . . . .	4.0	3.8	5.0	4.9	- 2.0
Springfield-Holyoke, Mass. . . . .	(2)	(2)	6.4	5.1	- 20.3
Stamford, Conn. <sup>3</sup> . . . . .	(2)	3.1	3.6	3.5	- 2.8
Syracuse, N. Y. . . . .	(2)	(2)	6.2	6.4	+ 3.2
Tacoma, Wash. . . . .	3.7	4.4	4.3	4.2	- 2.3
Tampa-St. Petersburg, Fla. . . . .	8.3	11.2	12.2	10.5	- 13.9
Topeka, Kans. . . . .	1.8	1.8	2.9	3.8	+ 31.0
Tucson, Ariz. . . . .	2.7	3.2	3.2	4.6	+ 43.8
Tulsa, Okla. . . . .	(2)	6.8	7.2	7.1	- 1.4
Utica-Rome, N. Y. . . . .	(2)	(2)	2.9	2.9	0
Washington, D. C. . . . .	32.8	39.6	39.3	39.3	0
Waterbury, Conn. <sup>3</sup> . . . . .	(2)	2.1	2.3	2.2	- 4.3
Wichita, Kans. . . . .	4.3	4.9	5.8	5.4	- 6.9
Worcester, Mass. . . . .	(2)	(2)	3.7	3.8	+ 2.7

<sup>1</sup> See table 13, footnote 1. Figures on employment in local areas prepared by State cooperating agencies.

<sup>2</sup> Data not available. <sup>3</sup> Includes a small number of employees in mining.

Table 18.--Employment by Construction Contractors in 62 Selected Areas, Monthly 1952<sup>1</sup>

Area	Average number of workers (in thousands)											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Albany-Schenectady-												
Troy, N. Y. ....	6.0	5.8	4.8	6.2	6.6	7.1	7.2	7.5	7.9	7.2	7.2	7.0
Albuquerque, N. Mex. ..	4.3	4.4	4.3	4.7	4.4	4.4	4.6	4.7	5.0	4.9	4.3	4.3
Atlanta, Ga. ....	15.1	14.7	14.5	15.1	15.1	15.9	16.1	15.0	13.6	13.6	13.0	12.6
Baltimore, Md. ....	35.7	35.5	35.5	37.8	39.4	41.7	41.9	40.9	40.0	39.6	38.6	37.2
Binghamton, N. Y. ....	2.5	2.4	2.3	2.5	2.7	2.8	2.7	2.8	2.6	2.7	2.5	2.4
Birmingham, Ala. ....	11.4	11.2	11.0	11.1	11.3	11.2	11.4	11.3	10.8	10.2	10.0	9.9
Boise, Idaho ....	1.5	1.5	1.5	1.8	1.8	2.0	2.1	2.1	2.1	1.7	1.7	1.2
Boston, Mass. ....	38.4	37.0	39.6	43.0	45.8	47.6	47.4	48.4	48.2	47.7	46.7	44.4
Bridgeport, Conn. <sup>2</sup> ....	4.6	4.6	4.7	5.2	5.5	5.8	6.1	6.2	5.9	5.9	5.7	5.5
Buffalo, N. Y. ....	16.1	15.5	15.7	16.5	17.2	17.6	18.1	19.0	19.2	19.8	20.4	19.0
Charleston, S. C. ....	3.3	3.5	3.5	3.7	4.0	4.1	4.3	5.0	5.0	4.4	4.4	3.9
Charleston, W. Va. ....	3.4	3.3	3.3	3.4	3.5	3.8	4.4	4.5	4.5	4.4	4.2	3.7
Charlotte, N. C. ....	6.5	6.5	6.5	6.2	6.5	6.7	6.7	6.8	6.5	6.3	6.4	6.0
Chattanooga, Tenn. ....	3.3	3.0	2.9	3.4	2.6	3.0	3.8	3.7	3.8	3.9	4.2	4.2
Denver, Colo. ....	17.3	17.3	17.5	17.2	17.9	18.6	18.8	19.8	20.6	19.7	18.6	17.9
Des Moines, Iowa ....	3.6	3.5	3.5	3.7	3.9	4.1	4.3	4.3	4.5	4.3	4.0	3.9
Duluth, Minn. ....	1.9	1.7	1.6	1.6	1.7	1.7	1.9	2.0	2.1	2.3	2.2	1.8
Hartford, Conn. <sup>2</sup> ....	8.0	7.9	8.0	8.6	9.4	9.8	10.4	10.4	10.7	10.9	10.5	10.1
Indianapolis, Ind. ....	9.7	9.2	9.7	10.2	10.5	11.7	12.0	12.2	13.5	11.6	10.5	9.7
Jacksonville, Fla. ....	8.8	8.5	8.6	8.8	8.7	9.2	9.8	9.7	9.3	9.2	9.2	9.5
Kansas City, Mo. ....	17.1	16.9	16.3	17.5	18.5	19.0	19.1	19.9	19.0	19.4	19.8	19.5
Knoxville, Tenn. ....	6.1	5.6	5.7	5.1	4.7	4.8	5.3	5.6	6.7	7.3	7.1	7.3
Lewiston, Maine ....	.8	.7	.8	.9	1.1	1.1	1.4	1.3	1.4	1.4	1.4	1.2
Little Rock-N. Little												
Rock, Ark. ....	4.5	4.5	4.6	4.9	5.3	5.5	5.7	5.8	5.6	5.7	5.8	5.9
Los Angeles, Calif. ...	94.9	95.7	90.3	89.6	93.6	93.9	90.4	102.2	103.1	103.7	103.1	100.1
Manchester, N. H. ....	1.2	1.2	1.1	1.1	1.3	1.3	1.4	1.3	1.3	1.4	1.4	1.3
Memphis, Tenn. ....	9.7	9.8	10.1	10.6	11.2	11.6	12.5	12.5	12.3	12.3	12.0	11.8
Miami, Fla. ....	17.6	16.6	15.8	15.2	16.2	17.4	17.4	17.7	17.2	17.6	17.9	18.3
Minneapolis, Minn. ....	13.9	12.6	12.3	12.6	13.5	13.9	14.3	14.7	14.5	14.5	14.4	13.7
Nashville, Tenn. <sup>2</sup> ....	7.5	7.4	7.6	8.4	8.8	9.2	9.7	9.5	9.6	9.7	9.1	8.9
New Bedford, Mass. ....	1.2	1.2	1.2	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.3
New Britain, Conn. <sup>2</sup> ...	.9	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.0	1.0	1.0
New Haven, Conn. <sup>2</sup> ....	5.7	5.6	5.6	5.9	6.1	6.2	6.3	6.5	6.3	6.2	5.9	5.8
New York, N. Y. ....	95.6	93.5	94.5	100.7	103.9	106.2	103.8	103.9	105.9	102.7	103.1	101.3
Oklahoma City, Okla. ..	10.2	10.6	10.5	11.1	11.2	11.2	10.7	10.7	10.6	10.5	9.9	9.6
Omaha, Neb. ....	6.3	6.4	6.3	7.5	7.8	8.7	8.8	8.8	8.8	8.7	8.3	6.5
Phoenix, Ariz. ....	7.5	7.5	7.6	7.8	7.7	7.5	7.3	7.5	7.8	7.9	7.6	7.9
Portland, Maine ....	3.5	3.1	2.8	3.1	3.1	3.1	2.9	2.8	2.9	2.7	2.7	2.5
Portland, Oreg. ....	10.7	11.2	11.4	12.2	13.3	13.6	14.6	16.8	16.3	15.8	14.9	13.9
Providence, R. I. ....	12.6	11.9	12.1	13.3	15.4	15.7	16.4	16.2	16.0	15.6	15.2	11.3
Reno, Nev. ....	1.2	1.4	1.7	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.5
Rochester, N. Y. ....	7.6	7.4	7.1	7.7	8.3	8.9	9.0	9.3	8.9	8.9	8.6	8.0
St. Paul, Minn. ....	6.2	6.0	6.0	6.2	6.6	7.0	7.2	7.3	7.3	7.2	7.0	6.5
Salt Lake City, Utah ..	5.4	5.6	5.3	6.2	7.2	7.4	7.6	7.6	7.5	7.2	7.1	6.1
San Diego, Calif. ....	11.8	12.2	11.8	12.1	13.1	13.2	13.4	14.3	14.9	14.9	14.0	14.6
San Francisco-												
Oakland, Calif. ....	51.7	54.4	53.7	41.1	35.6	57.6	63.7	65.5	65.3	65.9	64.2	59.2
Savannah, Ga. ....	3.2	3.4	3.5	3.5	3.4	4.2	4.2	4.2	4.1	4.2	4.3	4.4
Seattle, Wash. ....	10.0	10.8	11.6	12.4	13.0	13.3	13.6	13.4	13.1	12.6	12.3	11.4
Spokane, Wash. ....	3.6	4.1	4.5	5.0	4.9	5.2	5.3	5.4	5.6	5.5	5.2	4.4
Springfield-Holyoke, Mass	4.8	4.3	4.6	5.0	5.4	5.7	5.8	5.8	5.5	5.1	5.0	4.6
Stamford, Conn. <sup>2</sup> ....	3.1	3.0	3.0	3.5	2.8	3.7	3.9	4.0	3.9	3.8	3.6	3.5
Syracuse, N. Y. ....	5.2	4.9	5.4	5.5	6.5	7.0	7.0	7.1	7.6	7.4	6.9	6.0
Tacoma, Wash. ....	3.4	3.4	3.8	4.2	4.2	4.5	4.8	4.5	4.5	4.5	4.3	3.9
Tampa-St. Petersburg, Fla	11.2	10.6	10.5	10.1	10.2	10.5	10.5	10.5	10.6	10.4	10.4	10.3
Topeka, Kans. ....	2.9	3.0	2.9	3.5	3.8	4.2	4.3	4.5	4.3	4.7	4.3	3.4
Tucson, Ariz. ....	3.5	3.8	3.9	4.1	4.3	4.6	5.0	5.1	5.2	5.4	5.3	5.4
Tulsa, Okla. ....	7.1	6.9	7.0	7.1	7.1	7.2	7.3	7.3	7.4	7.4	7.3	6.9
Utica-Rome, N.Y. ....	2.4	2.3	2.3	2.9	3.4	3.6	3.3	3.4	3.0	2.9	2.8	2.3
Washington, D. C. ....	37.2	37.3	38.9	39.7	39.8	41.2	42.2	41.4	40.4	39.0	37.3	36.6
Waterbury, Conn. <sup>2</sup> ....	1.9	1.8	1.8	1.9	2.1	2.1	2.5	2.6	2.6	2.6	2.6	2.5
Wichita, Kans. ....	5.4	5.5	5.6	5.8	6.0	5.5	5.4	5.4	5.5	5.2	4.7	4.7
Worcester, Mass. ....	3.2	3.1	3.3	3.6	3.9	4.2	4.1	4.2	4.2	4.2	4.1	3.9

<sup>1</sup>See table 13, footnote 1. Figures on employment in local areas prepared by State cooperating agencies.

<sup>2</sup>Includes a small number of employees in mining.

# EMPLOYMENT

Table 19.--Labor Required for New Construction, by Type of Construction, Annually 1939-52<sup>1</sup>  
(Estimated number of full-time workers required to put in place the current volume of new construction)

Type of construction	Average number of workers (in thousands)						
	1939	1940	1941	1942	1943	1944	1945
Total new construction <sup>2</sup> .....	3,195	2,955	3,220	2,670	1,340	820	875
Off-site .....	220	225	285	275	150	95	105
On-site .....	2,975	2,730	2,935	2,395	1,190	725	770
Private construction .....	1,030	1,130	1,250	625	345	355	495
Residential building (nonfarm) .....	618	652	683	294	135	115	155
Nonresidential building (nonfarm) <sup>3</sup> .....	180	220	287	110	35	49	142
Farm construction .....	70	78	89	63	59	51	45
Public utilities .....	155	172	185	155	115	138	150
All other private <sup>4</sup> .....	7	8	6	3	1	2	3
Public construction .....	1,945	1,600	1,685	1,770	845	370	275
Residential building ....	14	43	81	85	105	28	10
Nonresidential building .	358	197	296	506	251	155	102
Military and naval .....	54	149	432	814	347	107	86
Conservation and development .....	275	242	187	55	39	21	17
Highways .....	823	685	495	245	58	37	35
All other public <sup>5</sup> .....	421	284	194	65	45	22	25
	1946	1947	1948	1949	1950	1951	1952
Total new construction <sup>2</sup> .....	1,820	2,090	2,430	2,500	3,020	2,840	2,845
Off-site .....	220	245	290	290	365	345	345
On-site .....	1,600	1,845	2,140	2,210	2,655	2,495	2,500
Private construction .....	1,330	1,495	1,720	1,680	2,095	1,830	1,780
Residential building (nonfarm) .....	531	667	815	793	1,174	892	875
Nonresidential building (nonfarm) <sup>3</sup> .....	440	333	342	305	356	411	378
Farm construction .....	131	175	190	188	202	171	159
Public utilities .....	220	312	366	386	352	350	361
All other private <sup>4</sup> .....	8	8	7	8	11	6	7
Public construction .....	270	350	420	530	560	665	720
Residential building ....	57	31	18	37	34	45	47
Nonresidential building .	38	64	125	185	212	258	279
Military and naval .....	23	25	15	14	12	59	85
Conservation and development .....	30	40	49	51	51	44	43
Highways .....	82	126	132	154	160	177	195
All other public <sup>5</sup> .....	40	64	81	89	91	82	71

<sup>1</sup>These estimates are designed to measure the number of full-time workers required to put in place the dollar volume of new construction under way during the given period of time. They cover all workers engaged at the site of new construction and also employees in yards, shops, and offices whose time is chargeable to such construction operations. They do not cover persons engaged in repairs and maintenance construction. Labor requirements are derived by converting, into man-months of work, the dollars spent during each month of the quarter on construction projects under way. The estimating technique utilizes a factor representing the value of work put in place per man-hour, developed from data in the 1939 Census of Construction and from periodic studies of individual projects of various types and sizes by the Bureau of Labor Statistics. The conversion factor is adjusted for each quarter in accordance with changes in construction costs. <sup>2</sup> Includes major additions and alterations. <sup>3</sup> Labor requirements for building construction by privately owned public utility companies are included in "Public utilities." <sup>4</sup> Covers labor required on privately owned sewer and water facilities, roads, bridges, and miscellaneous nonbuilding types of work. <sup>5</sup> Covers labor requirements for airport and electrification projects, water supply and sewage disposal systems, and miscellaneous enterprises.

Table 20.--Labor Required for New Construction, by Type of Construction, Quarterly 1952<sup>1</sup>  
 (Estimated number of full-time workers required to put in place the current volume of new construction)

Type of construction	Average number of workers (in thousands)					Percent change, 1951-52
	First quarter	Second quarter	Third quarter	Fourth quarter	Year	
Total new construction <sup>2</sup> .....	2,355	2,905	3,205	2,925	2,845	+ 0.2
Off-site .....	285	350	390	360	345	0
On-site .....	2,070	2,555	2,815	2,565	2,500	+ .2
Private construction .....	1,520	1,795	1,960	1,845	1,780	- 2.7
Building (nonfarm) .....	1,080	1,240	1,355	1,338	1,253	- 3.8
Residential .....	702	879	975	943	875	- 1.9
Nonresidential <sup>3</sup> .....	378	361	380	395	378	- 8.0
Industrial .....	166	149	143	150	152	+ 5.6
Commercial .....	90	90	102	113	98	- 21.0
Educational and hospital ....	54	55	58	56	56	- 6.7
Other .....	68	67	77	76	72	- 13.3
Farm .....	130	175	196	133	159	- 7.0
Public utilities .....	305	373	401	366	361	+ 3.1
Railroads .....	35	48	44	52	45	+ 4.7
Telephone and telegraph .....	48	53	55	52	52	+ 10.6
All other .....	222	272	302	262	264	+ 1.5
All other private <sup>4</sup> .....	5	7	8	8	7	+ 16.7
Public construction .....	550	760	855	720	720	+ 8.3
Building .....	295	329	351	328	326	+ 7.6
Residential .....	52	48	46	42	47	+ 4.4
Nonresidential .....	243	281	305	286	279	+ 8.1
Industrial .....	64	90	112	100	91	+ 68.5
Educational .....	119	124	123	120	122	+ 1.7
Hospital .....	34	38	37	34	36	- 14.3
Other .....	26	29	33	32	30	- 28.6
Military and naval .....	69	89	96	87	85	+ 44.1
Highways .....	86	222	284	191	195	+ 10.2
Sewer and water .....	45	53	54	50	50	- 12.3
Miscellaneous public service enterprises .....	13	17	19	15	16	- 11.1
Conservation and development ....	38	44	46	44	43	- 2.3
All other public .....	4	6	5	5	5	- 28.6

See table 19 for footnotes.

# EMPLOYMENT

Table 21.-Labor Required for New Construction, by Occupation, Annually Selected Years <sup>1</sup>  
(Estimated number of full-time workers required to put in place the current volume of new construction)

Occupation	Average number of site workers (in thousands)							
	1942	1946	1947	1948	1949	1950	1951	1952
All occupations .....	2,395	1,600	1,845	2,140	2,210	2,655	2,495	2,500
Nonmanual <sup>2</sup> .....	75	38	46	54	66	91	96	102
Skilled .....	1,340	842	948	1,102	1,337	1,746	1,605	1,594
Bricklayers .....	75	96	103	120	133	169	145	139
Carpenters .....	550	363	404	467	608	795	701	690
Construction machine operators .....	105	44	54	60	60	107	110	116
Electricians.....	85	34	37	41	51	92	90	90
Lathers .....	3	16	17	19	15	14	12	11
Painters and glaziers .....	85	72	79	94	111	141	126	125
Plasterers .....	20	42	46	51	57	66	56	54
Plumbers and steamfitters .....	140	53	57	66	99	149	152	154
All other .....	277	122	151	184	203	213	213	215
Helpers and laborers .....	980	720	851	984	807	818	794	804
	Percentage distribution							
All occupations .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Nonmanual <sup>2</sup> .....	3.1	2.4	2.5	2.5	3.0	3.4	3.9	4.1
Skilled .....	55.9	52.6	51.4	51.5	60.5	65.8	64.3	63.8
Bricklayers .....	3.1	6.0	5.6	5.6	6.0	6.4	5.8	5.6
Carpenters .....	23.0	22.7	21.9	21.8	27.5	30.0	28.1	27.6
Construction machine operators .....	4.4	2.8	2.9	2.8	2.7	4.0	4.4	4.6
Electricians .....	3.5	2.1	2.0	1.9	2.3	3.5	3.6	3.6
Lathers .....	(3)	1.0	.9	.9	.7	.5	.5	.4
Painters and glaziers .....	3.5	4.5	4.3	4.4	5.0	5.3	5.1	5.0
Plasterers .....	1.0	2.6	2.5	2.4	2.6	2.5	2.2	2.2
Plumbers and steamfitters .....	5.8	3.3	3.1	3.1	4.5	5.6	6.1	6.2
All other .....	11.6	7.6	8.2	8.6	9.2	8.0	8.5	8.6
Helpers and laborers .....	41.0	45.0	46.1	46.0	36.5	30.8	31.8	32.1

<sup>1</sup> These estimates are designed to measure the number of man-years of labor required to put in place the dollar volume of construction under way during the given year, assuming the workers were on the job for the average monthly hours prevailing during the year. The figures cover only workers engaged at the site of new construction. They include self-employed persons and working proprietors engaged at the site and also employees of nonconstruction establishments who are engaged in new construction. The estimates do not cover persons engaged in construction repairs and maintenance.

<sup>2</sup> The nonmanual group covers administrative employees; professional persons such as engineers and architects; semiprofessional employees such as draftsmen and surveyors; clerical workers, including office employees, timekeepers, and materials expeditors; and service workers, such as watchmen and firemen.

<sup>3</sup> Less than 0.1 of 1 percent.

# FEDERAL CONTRACT AWARDS

Table 22.--Value of Contracts Awarded and Force-Account Work Started on Federally Financed New Construction, by Type of Construction, Annually 1935-52

Type of construction	Value (in millions of dollars)									
	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944
Total new construction <sup>1</sup> ...	1,478.1	1,533.4	990.4	1,609.2	1,586.6	2,316.5	5,931.5	7,872.0	2,877.0	1,861.4
Airfields <sup>2</sup> .....	(3)	(3)	(3)	(3)	4.8	137.1	499.4	579.2	243.4	110.9
Building construction .....	442.8	561.4	344.6	676.5	669.2	1,537.9	4,422.1	6,226.9	2,068.3	1,438.8
Residential .....	7.8	63.5	17.2	31.8	231.1	244.7	322.2	565.2	405.5	117.5
Nonresidential .....	434.9	497.9	327.3	644.7	438.2	1,293.2	4,099.9	5,661.6	1,662.8	1,321.3
Educational <sup>4</sup> .....	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Hospital and institutional	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Administrative and general <sup>6</sup> .....	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Other nonresidential .....	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Airfield buildings <sup>7</sup> ....	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Industrial <sup>8</sup> .....	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Troop housing .....	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Warehouses .....	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Miscellaneous .....	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Conservation and development	438.7	189.7	133.0	303.9	225.4	197.6	199.7	217.8	155.7	112.4
Reclamation .....	158.0	73.8	59.1	175.4	115.6	69.0	41.9	150.7	101.3	66.7
River, harbor, and flood control .....	280.7	115.9	74.0	128.5	109.8	128.6	157.8	67.1	54.5	45.7
Highways .....	381.0	511.7	360.9	372.2	355.7	364.0	446.9	348.0	161.9	111.8
Electrification .....	(9)	(9)	(9)	(9)	(9)	(9)	(9)	(9)	(9)	(9)
All other <sup>10</sup> .....	215.5	270.7	152.0	256.6	331.5	79.8	363.4	500.1	247.7	87.5
	1945	1946	1947	1948	1949	1950	1951	1952	Percent change, 1951-52	
Total new construction <sup>1</sup> ...	1,092.2	1,502.7	1,473.9	1,906.5	2,174.2	2,805.2	4,230.6	4,730.3	+ 11.8	
Airfields <sup>2</sup> .....	41.2	15.1	25.1	55.6	49.3	58.2	278.6	141.0	- 49.4	
Building construction .....	806.9	617.1	454.6	543.1	880.1	1,369.6	2,184.0	2,597.0	+ 18.9	
Residential .....	60.5	452.2	60.7	47.2	46.8	15.4	9.0	23.3	+ 158.9	
Nonresidential .....	746.4	164.9	393.9	495.9	833.3	1,354.2	2,175.0	2,573.7	+ 18.3	
Educational <sup>4</sup> .....	(5)	14.7	47.8	1.4	1.0	3.1	60.6	130.9	+ 116.0	
Hospital and institutional	(5)	14.3	102.0	263.3	355.5	396.1	305.8	211.9	- 30.7	
Administrative and general <sup>6</sup> .....	(5)	9.7	32.6	29.9	88.9	58.8	57.1	43.2	- 24.3	
Other nonresidential .....	(5)	126.3	211.6	201.3	387.9	896.2	1,751.5	2,187.6	+ 24.9	
Airfield buildings <sup>7</sup> ....	(5)	(5)	(5)	(5)	(5)	32.5	91.9	80.7	- 12.2	
Industrial <sup>8</sup> .....	(5)	(5)	(5)	(5)	(5)	745.0	897.1	1,305.5	+ 45.5	
Troop housing .....	(5)	(5)	(5)	(5)	(5)	2.6	225.9	285.6	+ 26.4	
Warehouses .....	(5)	(5)	(5)	(5)	(5)	45.4	75.8	276.5	+ 264.8	
Miscellaneous .....	(5)	(5)	(5)	(5)	(5)	70.7	460.8	239.4	- 48.0	
Conservation and development	72.2	290.2	307.7	494.9	497.6	321.5	396.8	287.5	- 27.5	
Reclamation .....	30.8	149.9	75.5	147.7	164.8	81.8	86.9	92.9	+ 6.9	
River, harbor, and flood control .....	41.4	140.3	232.2	347.1	312.8	239.7	309.9	194.6	- 37.2	
Highways .....	101.0	534.7	659.6	767.5	690.5	836.0	850.9	1,005.8	+ 18.2	
Electrification .....	(9)	(9)	(9)	(9)	(9)	157.0	305.2	516.0	+ 69.1	
All other <sup>10</sup> .....	70.9	45.7	26.9	45.4	56.8	63.0	215.0	183.1	- 14.8	

<sup>1</sup> Includes major additions and alterations. Excludes classified military projects, but includes projects for the Atomic Energy Commission. Data for Federal-aid programs cover amounts to be contributed by both the owner and the Federal Government. Force-account work is done, not through a contractor, but directly by a government agency, using a separate work force to perform nonmaintenance construction on the agency's own properties. <sup>2</sup> Excludes hangars and other buildings, which are included under "Other nonresidential" building construction. <sup>3</sup> Included in "All other." <sup>4</sup> Includes projects under the Federal school construction program which provides aid for areas affected by Federal Government activities. <sup>5</sup> Unavailable separately; included in total nonresidential building. <sup>6</sup> Includes office buildings, post offices, armories, customhouses. <sup>7</sup> Includes all airport buildings except "Troop housing." <sup>8</sup> Covers all plants under Federal Government ownership, including those which are privately operated. <sup>9</sup> Unavailable separately; included in "All other." <sup>10</sup> Covers electrification projects (except where shown separately), water supply and sewage disposal systems, railroad construction, and other types of projects not elsewhere classified. <sup>11</sup> Less than \$50,000.

Note: Components may not add to totals because of rounding.

FEDERAL CONTRACT AWARDS

Table 23.--Value of Contracts Awarded and Force-Account Work Started on Federally Financed New Construction, by Type of Construction, Monthly 1951-52

Type of construction	Value (in millions of dollars)											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	1952											
Total new construction <sup>1</sup> .....	281.7	217.8	284.1	420.9	330.2	649.8	257.7	495.2	515.1	294.3	337.7	645.9
Airfields <sup>2</sup> .....	13.2	3.8	8.9	5.6	11.0	26.7	9.3	8.6	9.8	13.7	17.4	12.7
Building construction .....	110.0	119.0	159.3	198.4	184.3	405.2	115.1	371.0	373.4	143.3	223.3	194.7
Residential .....	.3	.4	1.3	3.4	4.5	2.1	.4	5.4	1.2	2.4	.8	1.2
Nonresidential .....	109.7	118.6	158.0	195.0	179.7	403.1	114.7	365.6	372.2	140.9	222.5	193.5
Educational <sup>4</sup> .....	6.7	10.7	5.0	8.0	6.0	14.5	12.8	13.4	10.3	13.0	14.8	15.7
Hospital and institutional .....	12.2	14.3	13.0	23.9	25.4	31.9	10.5	31.0	5.0	19.5	15.8	9.5
Administrative and general <sup>6</sup> .....	2.2	1.8	3.3	.7	3.4	13.1	2.0	1.5	5.4	3.2	3.1	3.5
Other nonresidential .....	88.6	91.9	136.8	162.4	144.9	343.6	89.6	319.8	351.5	105.1	188.8	164.8
Airfield buildings <sup>7</sup> .....	1.1	2.2	6.6	5.8	3.0	13.7	6.6	7.8	1.9	11.5	7.8	12.8
Industrial <sup>8</sup> .....	16.2	14.9	52.2	77.0	61.3	173.7	36.7	272.8	302.3	46.9	139.7	111.7
Troop housing .....	25.1	24.0	27.2	36.9	23.2	58.7	20.5	18.3	11.9	7.5	17.7	14.5
Warehouses .....	28.2	32.5	32.2	28.3	40.0	44.7	4.3	10.7	12.0	20.1	15.4	8.2
Miscellaneous .....	18.0	18.3	18.6	14.3	17.4	52.8	21.4	10.3	23.4	19.2	8.2	17.6
Conservation and development .....	29.6	24.5	15.3	51.5	10.7	45.3	3.8	7.9	27.6	31.6	21.0	18.9
Reclamation .....	.6	5.5	5.5	34.6	2.2	10.9	.7	2.9	14.0	6.9	3.5	5.7
River, harbor, and flood control .....	28.9	19.0	9.8	16.9	8.5	34.4	3.1	5.0	13.6	24.7	17.5	13.1
Highways .....	67.9	61.1	79.7	101.7	105.8	126.2	105.5	95.7	79.0	77.7	48.7	56.8
Electrification .....	48.4	3.6	12.7	49.7	7.6	8.7	14.5	1.5	9.2	2.6	10.9	346.5
All other <sup>10</sup> .....	12.6	5.7	8.2	13.9	10.9	37.7	9.5	10.3	16.1	25.3	16.4	16.4
	1951											
Total new construction <sup>1</sup> .....	428.4	222.6	442.2	327.7	674.6	639.5	337.7	305.7	264.0	189.1	190.6	208.5
Airfields <sup>2</sup> .....	10.2	10.7	7.7	17.7	39.3	91.8	48.4	15.5	14.5	9.1	10.2	3.3
Building construction .....	118.4	106.8	288.9	133.9	509.1	339.1	165.8	151.4	109.9	72.7	72.3	115.6
Residential .....	.9	1.0	(11)	3.0	1.9	.7	.6	.1	.2	(11)	.1	.3
Nonresidential .....	117.5	105.8	288.8	130.9	507.2	338.3	165.2	151.3	109.7	72.7	72.2	115.3
Educational <sup>4</sup> .....	.1	.3	.2	1.7	1.7	2.2	6.9	8.0	9.7	12.2	9.8	7.7
Hospital and institutional .....	15.2	15.5	56.6	35.8	23.4	53.8	15.8	23.8	29.6	14.6	10.9	10.7
Administrative and general <sup>6</sup> .....	1.0	10.1	9.1	3.0	2.0	7.7	1.1	2.8	15.7	1.8	1.3	1.6
Other nonresidential .....	101.2	79.9	223.0	90.5	480.0	274.6	141.3	116.6	54.7	44.0	50.2	95.4
Airfield buildings <sup>7</sup> .....	.5	2.2	6.3	5.9	9.9	21.3	13.1	15.7	11.0	3.9	.3	1.8
Industrial <sup>8</sup> .....	37.0	33.6	164.8	21.2	347.4	81.2	71.7	47.0	22.0	10.9	28.0	32.3
Troop housing .....	1.4	5.3	13.3	12.0	40.1	86.6	9.5	5.6	3.1	1.2	.7	47.3
Warehouses .....	.3	.6	1.8	7.5	8.3	18.9	7.9	3.2	3.2	4.9	12.5	6.7
Miscellaneous .....	62.1	38.2	36.9	43.9	74.2	66.6	39.1	45.1	15.4	23.2	8.8	7.3
Conservation and development .....	48.1	21.9	31.4	99.1	39.6	28.1	9.6	9.8	47.5	19.4	28.4	13.9
Reclamation .....	41.1	1.0	.9	8.4	3.6	7.7	5.2	2.0	6.4	6.2	2.0	2.4
River, harbor, and flood control .....	7.0	21.0	30.4	90.7	36.0	20.4	4.3	7.9	41.1	13.2	26.4	11.4
Highways .....	75.5	59.1	71.3	58.3	62.8	98.6	77.1	91.6	68.4	65.4	69.6	53.4
Electrification .....	170.5	11.2	21.6	8.4	9.5	24.9	13.9	26.7	5.7	3.6	2.7	6.5
All other <sup>10</sup> .....	5.7	12.8	21.3	10.2	14.2	57.0	22.9	10.7	18.0	18.9	7.4	15.8

See table 22 for footnotes.



FEDERAL CONTRACT AWARDS

Table 24.--Value of Contracts Awarded and Force-Account Work Started on Federally Financed New Construction, by State, Annually 1943-52<sup>1</sup>

State	Value (in millions of dollars)										Percent change, 1951-52
	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	
United States	2,877.0	1,861.4	1,092.2	1,502.7	1,473.9	1,906.5	2,174.2	2,805.2	4,230.6	4,730.3	+ 11.8
Alabama .....	41.0	18.0	24.5	21.5	13.1	17.1	33.5	66.7	118.4	145.1	+ 22.6
Arizona .....	25.5	14.0	2.6	23.1	9.7	13.0	20.3	15.7	47.8	37.1	- 22.4
Arkansas .....	56.7	85.0	17.9	39.9	63.2	30.6	21.6	69.6	37.4	50.1	+ 34.0
California ..	265.6	285.5	180.8	161.2	94.6	90.6	128.1	137.9	444.2	384.0	- 13.6
Colorado .....	8.7	3.3	1.7	30.0	32.0	39.0	33.1	28.3	37.4	61.6	+ 64.7
Connecticut .	20.7	5.0	6.2	15.2	6.6	11.2	13.8	30.7	15.7	15.2	- 3.2
Delaware .....	6.2	1.4	1.9	1.8	3.0	12.2	3.0	9.1	6.4	21.8	+ 240.6
Dist. of Col.	14.4	11.8	11.8	11.7	15.3	14.8	47.3	10.9	26.8	15.1	- 43.7
Florida .....	145.8	42.4	20.4	20.4	24.8	18.5	22.6	37.0	92.6	89.0	- 3.9
Georgia .....	36.2	17.9	9.0	38.4	30.6	37.3	30.7	35.3	51.8	125.5	+ 142.3
Idaho .....	21.2	4.3	1.6	13.7	9.4	13.6	13.9	17.3	35.4	65.8	+ 85.9
Illinois .....	127.8	53.8	30.2	40.6	62.4	80.2	98.4	84.1	136.5	99.1	- 27.4
Indiana .....	23.8	18.8	19.8	27.6	18.2	26.5	32.1	24.3	69.3	43.2	- 37.7
Iowa .....	7.4	6.8	5.1	27.4	18.3	29.4	64.6	41.5	25.9	36.3	+ 40.2
Kansas .....	13.8	12.3	10.5	24.7	22.4	24.0	40.8	26.8	77.2	87.6	+ 13.5
Kentucky .....	46.8	24.3	13.1	23.5	21.6	21.9	52.3	386.6	175.2	201.9	+ 15.2
Louisiana ...	80.8	34.3	15.2	19.2	31.4	46.9	55.0	38.5	65.2	65.4	+ .3
Maine .....	17.0	6.8	.6	4.7	4.7	7.2	7.1	15.2	56.8	30.6	- 46.1
Maryland .....	67.7	32.4	26.3	18.2	16.1	31.7	44.7	37.8	111.4	54.7	- 50.9
Massachusetts	36.1	11.5	14.3	28.0	10.7	19.7	24.0	70.1	59.0	49.6	- 15.9
Michigan .....	105.2	37.4	12.5	36.9	25.8	46.4	42.4	39.3	105.4	62.6	- 40.6
Minnesota ...	31.0	4.0	3.4	25.7	24.1	27.3	29.3	42.7	48.0	38.8	- 19.2
Mississippi .	24.1	10.2	11.9	18.5	38.7	27.7	21.3	34.0	51.4	43.7	- 15.0
Missouri .....	32.0	19.1	54.4	35.1	33.9	35.4	46.0	50.2	44.3	71.9	+ 62.3
Montana .....	1.5	3.2	3.3	19.0	8.6	64.1	28.4	19.8	26.7	32.1	+ 20.2
Nebraska .....	17.0	13.1	21.7	19.0	18.4	58.8	30.2	39.2	34.1	50.1	+ 46.9
Nevada .....	49.0	5.3	13.1	17.2	4.0	9.0	6.3	8.8	16.2	26.6	+ 64.2
New Hampshire	2.3	2.3	.3	3.4	2.7	8.2	4.9	6.5	4.9	9.4	+ 91.8
New Jersey ..	65.2	25.8	36.8	36.4	23.6	42.3	32.6	37.1	61.6	110.2	+ 78.9
New Mexico ..	27.3	22.3	20.6	29.6	26.8	48.5	61.6	67.8	74.3	46.0	- 38.1
New York ....	113.6	46.2	31.1	106.8	100.3	122.7	129.0	124.1	183.1	163.7	- 10.6
North Carolina	83.9	43.0	18.4	28.5	25.8	27.1	27.0	60.4	53.6	65.2	+ 21.6
North Dakota	.2	3.4	4.9	7.1	27.5	34.1	54.0	30.3	34.7	31.9	- 8.1
Ohio .....	116.9	38.8	16.6	55.1	54.8	55.3	32.5	90.6	90.8	134.5	+ 48.1
Oklahoma .....	30.7	13.3	20.0	40.8	16.2	27.0	32.7	52.2	32.3	66.2	+ 105.0
Oregon .....	33.3	21.4	13.3	28.8	32.4	31.5	74.8	58.9	98.5	64.6	- 34.4
Pennsylvania	124.9	77.1	41.9	63.1	64.7	108.7	108.6	90.2	99.7	119.2	+ 19.6
Rhode Island	24.3	5.8	1.4	6.7	3.6	6.0	6.8	17.5	10.8	23.3	+ 115.7
South Carolina	24.9	10.3	4.5	28.5	31.3	13.9	15.6	206.0	507.6	467.8	- 7.8
South Dakota	2.4	1.0	1.1	16.4	20.2	45.2	35.6	32.7	71.6	40.8	- 43.0
Tennessee ...	304.2	381.6	194.7	68.2	61.9	87.8	259.6	151.0	252.1	643.6	+ 155.3
Texas .....	190.1	64.8	64.8	73.2	86.7	114.0	101.4	112.1	228.3	221.2	- 3.1
Utah .....	82.8	32.1	4.3	7.8	8.3	11.8	10.6	19.8	33.4	26.7	- 20.1
Vermont .....	1.2	.3	.2	3.2	3.0	5.3	5.2	3.4	5.3	5.0	- 5.7
Virginia .....	79.0	53.7	28.6	25.0	33.4	39.6	47.1	50.5	149.5	126.9	- 15.1
Washington ..	216.7	211.9	35.6	64.1	131.9	152.4	84.1	122.6	148.3	260.5	+ 75.7
West Virginia	8.3	12.6	6.7	10.7	12.9	26.1	19.8	12.8	17.3	21.7	+ 25.4
Wisconsin ...	17.4	7.4	8.5	21.3	23.1	32.4	31.3	29.0	38.9	65.8	+ 69.2
Wyoming .....	4.3	4.4	4.1	15.6	21.3	12.6	9.1	12.8	17.6	11.9	- 32.4

<sup>1</sup> See table 22, footnote 1.

Note: Components may not add to totals because of rounding.

FEDERAL CONTRACT AWARDS

Table 25.--Value of Contracts Awarded and Force-Account Work Started on Federally Financed New Construction, by State and Type of Construction, 1952<sup>1</sup>

State	Value (in millions of dollars)												
	Total new construction	Air-fields <sup>2</sup>	Building							Conservation and development	Electrification	Highways	All other
			Total	Residential	Nonresidential								
					Total	Troop housing	Hospital and institutional	Industrial <sup>3</sup>	Other non-residential				
United States ...	4730.3	141.0	2597.0	23.3	2573.7	285.6	211.9	1305.5	770.7	287.5	516.0	1005.8	183.1
Alabama .....	145.1	2.0	30.9	.8	30.1	7.4	3.0	1.6	18.1	1.5	91.2	18.7	.8
Arizona .....	37.1	1.9	14.8	.6	14.2	3.4	1.0	.6	9.2	5.9	.5	11.5	2.5
Arkansas .....	50.1	.5	28.6	0	28.6	0	.7	.1	27.7	6.5	4.9	8.3	1.3
California .....	384.0	9.9	227.0	1.2	225.7	69.1	28.2	32.0	96.4	30.0	9.7	70.9	36.6
Colorado .....	61.6	.9	40.7	0	40.7	1.6	.3	26.6	12.3	3.3	1.7	14.3	.7
Connecticut .....	15.2	.5	7.2	1.0	6.2	0	1.7	.4	4.1	.2	.1	6.7	.5
Delaware .....	21.8	2.5	10.8	.1	10.7	7.0	1.4	0	2.3	.2	.4	7.2	.7
Dist. of Col. ...	15.1	(11)	11.6	(11)	11.5	0	8.7	1.2	1.6	0	.6	2.1	.7
Florida .....	89.0	14.4	42.0	.4	41.5	9.1	1.2	.3	31.0	7.6	.5	16.4	8.2
Georgia .....	125.5	8.5	67.3	.1	67.3	21.5	7.0	.1	38.7	15.6	4.4	25.2	4.4
Idaho .....	65.8	.1	11.5	2.9	8.6	0	0	4.1	4.6	32.6	8.7	12.0	.8
Illinois .....	99.1	.5	40.7	(11)	40.7	1.0	7.9	8.7	23.0	.7	.2	53.6	3.5
Indiana .....	43.2	0	16.5	.9	15.6	0	2.8	4.4	8.4	.6	0	25.1	1.0
Iowa .....	36.3	1.9	11.5	0	11.5	0	5.8	4.0	1.7	3.0	0	19.6	.3
Kansas .....	87.6	7.8	41.3	.7	40.6	8.6	2.1	8.5	21.3	11.4	.3	21.6	5.3
Kentucky .....	201.9	.3	73.9	.7	73.2	0	9.7	56.0	7.6	7.6	101.2	16.6	2.4
Louisiana .....	65.4	2.4	27.9	1.1	26.7	3.6	5.8	3.9	13.4	10.8	3.7	17.9	2.7
Maine .....	30.6	2.2	11.8	4.6	7.3	4.4	(11)	.1	2.8	(11)	.3	10.3	6.0
Maryland .....	54.7	.3	39.5	.9	38.6	9.3	1.8	9.3	18.1	3.0	.4	9.7	1.9
Massachusetts ...	49.6	.3	27.7	(11)	27.7	.7	4.4	17.2	5.4	1.3	.6	19.1	.7
Michigan .....	62.6	1.7	25.4	.2	25.2	1.0	3.9	10.0	10.3	.4	.1	33.9	1.1
Minnesota .....	38.8	2.2	13.1	(11)	13.0	2.1	1.4	4.2	5.3	1.1	(11)	21.1	1.2
Mississippi .....	43.7	1.5	15.3	0	15.3	1.1	7.3	.2	6.7	5.5	2.6	15.8	3.1
Missouri .....	71.9	8.6	29.0	.2	28.8	8.2	5.5	4.7	10.5	9.1	.2	21.9	3.2
Montana .....	32.1	.2	4.5	.1	4.4	1.7	.3	0	2.4	13.9	2.7	10.7	.2
Nebraska .....	50.1	5.8	24.6	.1	24.5	1.5	.8	.8	21.3	4.4	.1	9.2	6.0
Nevada .....	26.6	2.4	17.2	0	17.2	0	(11)	9.3	7.9	0	(11)	5.1	1.8
New Hampshire ...	9.4	(11)	4.1	(11)	4.1	0	.6	1.6	1.9	(11)	0	4.3	.8
New Jersey .....	110.2	5.7	67.9	(11)	67.8	30.2	6.3	12.8	18.7	1.5	.2	24.1	10.8
New Mexico .....	46.0	1.5	25.9	1.0	24.9	2.0	.6	11.4	11.0	2.4	(11)	12.6	3.5
New York .....	163.7	7.2	81.8	.2	81.6	1.8	8.6	44.3	26.8	2.0	(11)	71.5	1.2
North Carolina ..	65.2	2.3	27.2	.2	27.0	1.9	4.3	.8	20.0	.3	6.3	20.1	9.1
North Dakota ....	31.9	.7	.8	.5	.4	0	.4	0	(11)	15.4	(11)	14.1	.8
Ohio .....	134.5	6.5	89.0	.1	88.9	6.1	13.0	44.4	25.3	.9	.2	34.9	3.1
Oklahoma .....	66.2	3.6	35.9	.5	35.5	10.6	.3	.2	24.4	4.4	.5	20.4	1.3
Oregon .....	64.6	.5	5.8	(11)	5.8	0	3.2	0	2.6	14.7	10.2	32.9	.5
Pennsylvania ....	119.2	1.1	70.5	0	70.5	1.6	8.7	25.7	34.4	2.5	.2	40.5	4.4
Rhode Island ....	23.3	(11)	14.9	.2	14.6	2.6	.3	0	11.8	(11)	(11)	6.3	2.0
South Carolina ..	467.8	3.3	448.2	.3	447.9	5.5	6.6	425.0	10.8	.8	.3	12.0	3.3
South Dakota ....	40.8	1.8	4.0	(11)	4.0	1.7	0	.1	2.2	15.2	3.4	13.8	2.6
Tennessee .....	643.6	.8	397.8	.1	397.8	0	3.2	379.9	14.6	8.7	212.1	21.2	3.0
Texas .....	221.2	19.0	118.0	.6	117.5	27.2	24.1	16.1	50.1	11.1	1.1	62.2	9.7
Utah .....	26.7	.9	14.2	0	14.2	0	1.0	.1	13.1	2.7	(11)	8.0	.8
Vermont .....	5.0	.3	.7	0	.7	0	0	(11)	.7	0	0	4.0	(11)
Virginia .....	126.9	4.2	71.1	2.6	68.5	13.2	3.7	4.6	47.0	9.3	.7	24.9	16.7
Washington .....	260.5	1.4	163.0	.5	162.4	18.7	6.0	108.9	28.8	18.3	45.7	22.7	9.5
West Virginia ...	21.7	.7	7.7	0	7.7	0	2.3	4.7	.7	(11)	(11)	13.0	.3
Wisconsin .....	65.8	.3	34.4	0	34.4	.2	4.5	16.8	12.9	.1	0	30.0	1.0
Wyoming .....	11.9	.1	2.0	(11)	2.0	0	1.1	0	.9	1.2	.1	7.6	.9

<sup>1</sup>See table 22 for footnotes.

Note: Components may not add to totals because of rounding.

# URBAN BUILDING AUTHORIZED

Attention is directed to the fact that the following tabulations pertain only to building construction within urban areas as defined in the 1940 Census. This definition includes all incorporated places of 2,500 inhabitants or more in 1940 and a small number of places, usually minor civil divisions, classified as urban under special rules. Building outside the limits of these areas is excluded, even when it is located in populous suburban areas that may be an integral part of a city's economic and social life.

The tabulations cover nonfederally and federally financed building construction combined. Estimates of non-Federal (private and State and local government) building construction for all urban localities are developed from building-permit reports sent to the Bureau by cities containing about 85 percent of the urban population of the country. Figures on federally financed projects in cities are compiled from notifications of construction contracts awarded, obtained from other Federal agencies.

It should be noted that the data in the following tabulations do not represent the volume of construction actually started during the periods shown, because adjustment has not been made for lapsed building permits, nor for lag between permit issuance or contract award dates and the start of construction.

Components may not always equal totals because of rounding.

Table 26.—Indexes of the Valuation of Urban Building Authorized, by Class of Construction, Annually 1929-52<sup>1,2</sup>

Year	Index numbers (1947-49 = 100)				Year	Index numbers (1947-49 = 100)			
	All building construction <sup>3</sup>	New residential building <sup>4</sup>	New non-residential building	Additions, alterations, and repairs		All building construction <sup>3</sup>	New residential building <sup>4</sup>	New non-residential building	Additions, alterations, and repairs
1929 .....	89.5	80.8	137.4	71.6	1941 .....	52.6	45.2	66.0	44.2
1930 .....	51.2	34.5	100.3	46.6	1942 .....	40.7	26.0	69.8	29.5
1931 .....	36.1	24.6	68.4	34.9	1943 .....	19.0	16.5	20.3	25.3
1932 .....	13.2	6.1	27.9	17.2	1944 .....	16.6	9.8	20.3	33.5
1933 .....	10.9	5.1	19.3	17.3	1945 .....	29.6	18.8	38.3	50.4
1934 .....	11.2	4.3	19.2	22.3	1946 .....	71.4	71.1	67.4	81.6
1935 .....	19.2	10.6	29.9	30.2	1947 .....	83.7	83.6	79.2	94.4
1936 .....	30.5	21.0	43.6	38.2	1948 .....	104.9	101.8	109.5	106.3
1937 .....	33.7	22.5	48.4	44.5	1949 .....	111.3	114.6	111.3	99.2
1938 .....	34.2	26.0	45.7	37.5	1950 .....	157.7	176.2	145.9	115.6
1939 .....	40.4	34.1	47.3	40.9	1951 .....	134.2	141.6	130.1	116.1
1940 .....	47.5	38.3	63.2	40.6	1952 .....	134.3	145.9	121.9	119.7

See page 49 for footnotes.

**URBAN BUILDING AUTHORIZED**

Table 27.--Urban Building Authorized: Valuation, by Class of Construction and Ownership, Annually 1942-52, Monthly 1951-52<sup>1</sup>

Year and Month	Valuation (in thousands) <sup>2</sup>							
	All building construction <sup>3</sup>		New residential building <sup>4</sup>		New nonresidential building		Additions, alterations, and repairs	
	Total	Non-Federal	Total	Non-Federal	Total	Non-Federal	Total	Non-Federal
1942 .....	\$2,707,573	\$1,066,958	\$918,413	\$602,609	\$1,510,688	\$222,998	\$278,472	\$241,351
1943 .....	1,262,133	703,584	583,496	375,169	439,131	106,546	239,506	221,869
1944 .....	1,101,350	753,441	345,670	289,270	438,909	169,078	316,771	295,093
1945 .....	1,966,913	1,717,181	663,160	631,562	827,614	639,342	476,139	446,277
1946 .....	4,743,414	4,303,971	2,513,789	2,158,201	1,458,602	1,416,497	771,023	729,272
1947 .....	5,563,348	5,361,198	2,957,455	2,915,185	1,713,489	1,582,352	892,404	863,661
1948 .....	6,972,784	6,597,704	3,600,295	3,460,961	2,367,940	2,157,695	1,004,549	979,047
1949 .....	7,398,144	6,727,411	4,050,336	3,764,709	2,410,315	2,049,088	937,493	913,614
1950 .....	10,480,350	9,731,077	6,231,417	5,903,864	3,156,475	2,769,100	1,092,458	1,058,113
1951 .....	8,918,168	7,902,588	5,005,487	4,418,012	2,815,669	2,455,842	1,097,011	1,028,734
January .....	801,134	739,276	419,529	389,446	280,250	256,226	101,355	93,603
February .....	627,570	556,323	370,119	331,817	182,029	157,238	75,422	67,268
March .....	823,744	722,783	447,036	411,061	283,905	223,298	92,802	88,424
April .....	802,835	711,771	466,230	426,202	245,773	201,297	90,832	84,272
May .....	847,879	778,590	489,522	459,560	253,983	224,673	104,373	94,357
June .....	1,027,652	673,897	691,629	389,816	236,170	190,251	99,853	93,830
July .....	734,835	654,595	384,763	347,762	240,771	209,686	109,301	97,147
August .....	782,837	739,093	405,233	389,395	273,867	249,037	103,737	100,661
September .....	841,629	793,517	460,684	444,068	285,609	255,015	95,336	94,434
October .....	653,677	620,270	359,254	349,466	197,629	178,220	96,794	92,584
November .....	542,961	506,680	289,351	267,949	186,216	173,748	67,394	64,983
December .....	431,415	405,794	222,138	211,470	149,466	137,154	59,811	57,169
1952 .....	8,926,672	8,132,169	5,159,102	4,698,727	2,637,037	2,348,191	1,130,534	1,085,251
January .....	527,773	481,079	297,184	268,500	159,148	144,286	71,441	68,293
February .....	611,085	563,980	373,114	347,025	160,555	142,667	77,417	74,288
March .....	783,787	682,375	494,179	413,222	197,739	182,095	91,869	87,058
April .....	858,403	757,901	544,748	469,050	219,581	196,501	94,074	92,349
May .....	829,940	747,921	512,305	450,248	211,040	195,210	106,595	102,463
June .....	887,561	750,999	478,427	414,831	291,571	234,099	117,562	102,069
July .....	807,019	767,459	445,284	422,730	252,128	237,929	109,607	106,800
August .....	751,678	699,212	419,350	407,231	232,974	194,701	99,354	97,281
September .....	800,125	769,461	461,812	445,865	233,568	220,227	104,746	103,370
October .....	822,292	773,566	470,098	454,418	246,654	216,609	105,539	102,539
November .....	644,786	596,340	348,462	326,641	217,087	192,737	79,237	76,962
December .....	602,222	541,875	314,138	278,966	214,990	191,130	73,094	71,780

See page 49 for footnotes.

Table 28.--Urban Building Authorized: Valuation, by Class of Construction and Geographic Division, Annually 1951-52<sup>1</sup>

Geographic division <sup>5</sup>	Valuation (in thousands) <sup>2</sup>							
	All building construction <sup>3</sup>		New residential building <sup>4</sup>		New nonresidential building		Additions, alterations, and repairs	
	1952	1951	1952	1951	1952	1951	1952	1951
All urban places ...	\$8,926,672	\$8,918,168	\$5,159,102	\$5,005,487	\$2,637,037	\$2,815,669	\$1,130,534	\$1,097,011
New England .....	535,551	619,887	301,380	354,115	165,928	197,698	68,242	68,074
Middle Atlantic ....	1,468,151	1,442,998	840,900	821,858	440,529	423,143	186,722	197,997
East North Central .	1,948,506	2,070,252	1,113,196	1,102,506	597,588	744,183	237,721	223,563
West North Central .	689,493	631,999	392,670	343,748	215,776	205,435	81,048	82,816
South Atlantic .....	1,054,559	1,108,893	627,354	648,642	276,783	306,997	150,423	153,255
East South Central .	356,265	360,862	192,071	201,772	120,165	117,328	44,029	41,762
West South Central .	965,147	986,491	567,387	590,144	274,142	281,588	123,618	114,489
Mountain .....	341,859	318,821	198,284	177,882	101,699	103,345	41,877	37,595
Pacific .....	1,567,141	1,377,965	925,859	764,550	444,429	435,953	196,853	177,462

See page 49 for footnotes.

Table 29.--New Urban Nonresidential Building Authorized: Valuation, by General Type of Building and Geographic Division, Annually 1951-52<sup>1</sup>

Geographic division <sup>5</sup>	Valuation (in thousands) <sup>2</sup>					
	1952	1951	Percent change, 1951-52	1952	1951	Percent change, 1951-52
	Industrial buildings <sup>6</sup>			Commercial buildings <sup>7</sup>		
All urban places .....	\$351,520	\$513,007	- 31.5	\$686,347	\$739,912	- 7.2
New England .....	28,097	31,916	- 12.0	28,766	36,506	- 21.2
Middle Atlantic .....	60,949	97,144	- 37.3	121,120	111,793	+ 8.3
East North Central .....	111,839	205,815	- 45.7	144,107	155,535	- 7.3
West North Central .....	24,305	25,306	- 4.0	56,056	43,206	+ 29.7
South Atlantic .....	25,237	24,181	+ 4.4	87,085	99,315	- 12.3
East South Central .....	16,084	28,584	- 43.7	26,015	36,535	- 28.8
West South Central .....	17,192	18,328	- 6.2	91,774	93,132	- 1.5
Mountain .....	5,983	6,103	- 2.0	30,392	26,161	+ 16.2
Pacific .....	61,834	75,629	- 18.2	101,032	137,730	- 26.6
	Community buildings <sup>8</sup>			Public buildings <sup>9</sup>		
All urban places .....	\$1,101,141	\$1,146,508	- 4.0	\$152,537	\$109,308	+ 39.5
New England .....	78,221	106,079	- 26.3	13,951	4,354	+ 220.4
Middle Atlantic .....	193,155	167,869	+ 15.1	19,434	16,242	+ 19.7
East North Central .....	227,139	263,047	- 13.7	15,656	25,332	- 38.2
West North Central .....	103,712	106,060	- 2.2	4,246	2,463	+ 1.7
South Atlantic .....	115,572	142,405	- 18.8	16,547	18,147	- 8.8
East South Central .....	57,008	43,328	+ 31.6	10,841	305	*
West South Central .....	117,264	124,350	- 5.7	7,348	15,899	- 53.8
Mountain .....	34,827	52,160	- 33.2	14,480	4,101	+ 253.1
Pacific .....	174,243	141,209	+ 23.4	50,035	22,466	+ 122.7
	Public works and utility buildings <sup>10</sup>			All other buildings <sup>11</sup>		
All urban places .....	\$135,525	\$115,708	+ 17.1	\$209,968	\$191,227	+ 9.8
New England .....	6,296	8,801	- 28.5	10,599	10,044	+ 5.5
Middle Atlantic .....	23,540	11,161	+ 110.9	22,331	18,935	+ 17.9
East North Central .....	33,612	35,028	- 4.0	65,234	59,426	+ 9.8
West North Central .....	7,618	9,672	- 21.2	19,839	18,727	+ 5.9
South Atlantic .....	12,736	9,629	+ 32.3	19,605	13,320	+ 47.2
East South Central .....	3,720	1,988	+ 87.1	6,497	6,587	- 1.4
West South Central .....	19,991	11,058	+ 80.8	20,573	18,821	+ 9.3
Mountain .....	3,365	2,094	+ 60.7	12,651	12,726	- .6
Pacific .....	24,648	26,279	- 6.2	32,638	32,640	**

See page 49 for footnotes.

**URBAN BUILDING AUTHORIZED**

Table 30.--New Urban Nonresidential Building Authorized: Valuation and number of Buildings, by Type of Building, Annually 1942-52<sup>1</sup>

Type of building	1942	1943	1944	1945	1946	1947
	Valuation (in thousands) <sup>2</sup>					
All types .....	\$1,510,688	\$439,131	\$438,909	\$827,614	\$1,458,602	\$1,713,489
Industrial buildings (factories and workshops) <sup>12</sup> .	961,616	258,181	159,706	258,098	397,237	322,229
Commercial buildings .....	63,719	46,336	68,407	296,720	669,574	686,323
Amusement buildings <sup>13</sup> .....	5,516	8,327	12,236	15,338	33,123	43,216
Commercial garages .....	2,361	957	3,942	32,368	73,513	62,114
Office and bank buildings .	11,256	2,959	5,425	29,983	83,998	95,298
Service stations .....	1,871	817	1,274	8,393	23,088	25,456
Stores and other mercantile buildings <sup>14</sup> ....	42,715	33,276	45,530	210,638	455,852	460,239
Community buildings .....	73,682	56,149	66,406	108,205	190,163	407,591
Churches .....	6,020	1,808	5,538	16,998	36,971	76,234
Educational buildings <sup>15</sup> ....	20,549	13,923	17,721	24,939	98,029	185,890
Institutional buildings <sup>16</sup> ..	47,113	40,418	43,147	66,268	55,163	145,467
Public buildings <sup>9</sup> .....	254,042	48,882	98,937	83,954	12,042	41,009
Public works and utility buildings <sup>10</sup> .....	132,607	12,832	26,264	32,286	102,241	143,824
Private garages .....	16,498	7,790	11,005	29,672	58,490	77,929
Sheds .....	4,689	4,908	4,133	8,055	12,210	14,626
All other nonresidential buildings .....	3,835	4,053	4,051	10,624	16,645	19,957
	Number of buildings					
All types .....	102,850	79,154	76,657	138,416	226,574	239,533
Industrial buildings (factories and workshops) <sup>12</sup> .	4,271	3,662	4,705	9,031	17,001	13,581
Commercial buildings .....	8,446	6,552	10,020	31,349	61,802	58,366
Amusement buildings <sup>13</sup> .....	685	564	903	880	1,940	2,038
Commercial garages .....	547	409	730	3,776	7,600	5,972
Office and bank buildings .	537	531	748	1,964	3,679	3,217
Service stations .....	512	179	291	1,465	4,030	3,959
Stores and other mercantile buildings <sup>14</sup> ....	6,165	4,869	7,348	23,264	44,553	43,180
Community buildings .....	1,325	1,243	1,667	2,334	3,922	6,630
Churches .....	667	494	809	1,335	1,914	3,028
Educational buildings <sup>15</sup> ....	339	377	404	467	1,193	2,835
Institutional buildings <sup>16</sup> .	319	372	454	532	815	767
Public buildings <sup>9</sup> .....	1,563	695	552	380	266	489
Public works and utility buildings <sup>10</sup> .....	871	619	643	791	1,550	1,886
Private garages .....	64,342	34,297	38,099	64,171	109,284	124,966
Sheds .....	18,356	27,404	15,382	21,519	19,716	20,253
All other nonresidential buildings .....	3,676	4,682	5,589	8,841	13,033	13,362

See page 49 for footnotes.

Table 30.--New Urban Nonresidential Building Authorized: Valuation and Number of Buildings, by Type of Building, Annually 1942-52<sup>1</sup> --Continued

Type of building	1948	1949	1950	1951	1952	Percent change, 1951-52
Valuation (in thousands) <sup>2</sup>						
All types .....	\$2,367,940	\$2,410,315	\$3,156,475	\$2,815,669	\$2,637,037	- 6.3
Industrial buildings (factories and workshops) <sup>12</sup>	299,263	203,699	297,343	513,007	351,520	- 31.5
Commercial buildings .....	926,551	752,810	1,124,268	739,912	686,347	- 7.2
Amusement buildings <sup>13</sup> .....	98,357	99,197	91,151	32,564	33,899	+ 4.1
Commercial garages .....	77,339	47,484	46,207	44,114	37,861	- 14.2
Office and bank buildings.	134,298	124,845	272,172	197,406	168,029	- 14.9
Service stations .....	29,823	40,976	59,957	34,953	46,256	+ 32.3
Stores and other mercantile buildings <sup>14</sup> ...	586,734	440,308	654,781	430,875	400,302	- 7.1
Community buildings .....	789,833	1,020,507	1,283,011	1,146,508	1,101,141	- 4.0
Churches .....	160,550	180,670	220,351	181,328	179,906	- .8
Educational buildings <sup>15</sup> ...	324,548	439,717	568,440	523,217	583,574	+ 11.5
Institutional buildings <sup>16</sup> .	304,735	400,120	494,220	441,963	337,661	- 23.6
Public buildings <sup>9</sup> .....	74,414	153,103	128,165	109,308	152,537	+ 39.5
Public works and utility buildings <sup>10</sup> .....	148,681	148,375	116,154	115,708	135,525	+ 17.1
Private garages .....	91,871	90,690	104,824	113,801	123,504	+ 8.5
Sheds .....	13,798	10,537	10,896	11,324	10,726	- 5.3
All other nonresidential buildings .....	23,528	30,594	91,816	66,101	75,738	+ 14.6
Number of buildings						
All types .....	235,918	227,612	257,683	241,132	252,809	+ 4.8
Industrial buildings (factories and workshops) <sup>12</sup>	10,183	6,917	8,059	8,881	7,765	- 12.6
Commercial buildings .....	50,088	41,564	45,491	30,862	33,231	+ 7.7
Amusement buildings <sup>13</sup> .....	2,746	2,578	2,404	1,439	1,529	+ 6.3
Commercial garages .....	4,953	3,154	2,805	2,296	2,099	- 8.6
Office and bank buildings..	2,833	2,381	3,310	2,549	3,151	+ 23.6
Service stations .....	3,193	4,201	5,446	3,092	3,635	+ 17.6
Stores and other mercantile buildings <sup>14</sup> ...	36,363	29,250	31,526	21,486	22,817	+ 6.2
Community buildings .....	6,684	7,220	7,960	6,446	6,784	+ 5.2
Churches .....	3,472	3,453	3,669	3,276	3,106	- 5.2
Educational buildings <sup>15</sup> ...	2,325	2,677	2,976	2,173	2,661	+ 22.5
Institutional buildings <sup>16</sup> .	887	1,090	1,315	997	1,017	+ 2.0
Public buildings <sup>9</sup> .....	638	834	685	537	695	+ 29.4
Public works and utility buildings <sup>10</sup> .....	1,790	1,370	1,297	1,207	1,278	+ 5.9
Private garages .....	133,212	138,025	159,076	160,213	167,810	+ 4.7
Sheds .....	18,194	16,839	14,829	13,618	14,068	+ 3.3
All other nonresidential buildings .....	15,129	14,843	20,286	19,368	21,178	+ 9.3

See page 49 for footnotes.

**URBAN BUILDING AUTHORIZED**

Table 31.--Urban Building Authorized: Valuation, by Class of Construction and State, Annually 1951-52<sup>1</sup>

State	Valuation (in thousands) <sup>2</sup>							
	All building construction <sup>3</sup>		New residential building <sup>4</sup>		New nonresidential building		Additions, alterations, and repairs	
	1952	1951	1952	1951	1952	1951	1952	1951
All urban places .	\$8,926,672	\$8,918,168	\$5,159,102	\$5,005,487	\$2,637,037	\$2,815,669	\$1,130,534	\$1,097,011
Alabama .....	95,204	99,056	58,376	66,288	24,265	19,666	12,564	13,102
Arizona .....	34,209	40,992	14,713	17,364	12,825	18,102	6,672	5,526
Arkansas .....	51,162	64,133	30,882	32,582	13,520	29,830	6,760	5,721
California .....	1,326,217	1,159,682	814,973	657,004	353,071	360,643	158,173	142,035
Colorado .....	122,027	118,362	71,326	68,446	35,789	36,868	14,911	13,048
Connecticut .....	156,887	142,309	95,573	84,431	43,504	40,110	17,810	17,768
Delaware .....	18,109	15,529	8,359	7,823	7,298	4,966	2,452	2,741
Dist. of Columbia.	54,297	69,345	30,482	29,457	15,012	24,497	8,804	15,391
Florida .....	330,750	337,997	220,046	226,037	62,620	68,257	48,084	43,703
Georgia .....	126,254	123,870	70,972	79,999	37,521	27,903	17,761	15,967
Idaho .....	20,997	19,634	9,830	10,817	7,275	5,308	3,892	3,509
Illinois .....	581,351	600,036	364,924	341,471	156,947	208,299	59,479	50,266
Indiana .....	178,538	205,545	96,879	89,889	57,329	96,023	24,330	19,634
Iowa .....	107,437	111,078	58,644	61,118	36,372	38,216	12,420	11,743
Kansas .....	105,586	83,516	58,856	41,665	32,812	29,515	13,918	12,336
Kentucky .....	72,783	72,539	41,215	42,368	24,007	25,374	7,560	4,797
Louisiana .....	149,378	145,832	68,842	86,170	52,026	36,422	28,511	23,239
Maine .....	16,229	15,471	7,388	6,093	6,213	7,342	2,629	2,036
Maryland .....	94,903	117,863	56,452	66,150	19,372	30,803	19,078	20,909
Massachusetts ....	291,667	378,005	160,083	207,829	94,018	133,931	37,566	36,245
Michigan .....	421,097	478,928	209,240	239,267	157,062	184,699	54,795	54,962
Minnesota .....	177,704	188,717	96,904	102,461	58,028	64,013	22,772	22,243
Mississippi .....	58,257	45,617	31,807	26,435	21,318	13,801	5,132	5,381
Missouri .....	189,735	154,913	112,394	85,296	57,291	45,081	20,050	24,536
Montana .....	26,968	19,430	12,864	10,031	11,059	6,823	3,044	2,575
Nebraska .....	63,854	56,444	40,710	34,015	17,297	15,912	5,847	6,517
Nevada .....	22,545	16,563	14,687	10,334	4,049	3,588	3,810	2,642
New Hampshire ....	20,760	16,297	11,063	8,484	6,481	4,894	3,217	2,919
New Jersey .....	363,745	342,265	226,323	215,276	90,840	85,327	46,582	41,662
New Mexico .....	56,669	50,124	41,868	27,936	11,227	17,768	3,575	4,420
New York .....	656,066	649,381	359,708	353,348	226,317	211,166	70,041	84,868
North Carolina ...	148,615	150,088	78,644	76,365	54,072	59,229	15,899	14,494
North Dakota .....	20,328	17,601	12,307	10,309	5,889	5,287	2,133	2,005
Ohio .....	568,635	579,267	328,662	319,807	167,766	184,647	72,207	74,813
Oklahoma .....	84,769	93,393	55,278	57,827	20,173	25,406	9,318	10,161
Oregon .....	89,973	79,303	38,424	36,253	33,889	25,961	17,661	15,089
Pennsylvania .....	448,340	451,351	254,869	253,235	123,372	126,650	70,100	71,466
Rhode Island .....	43,671	64,054	24,494	45,723	12,802	9,941	6,375	8,390
South Carolina ...	58,130	57,215	36,160	35,106	15,782	16,027	6,188	6,082
South Dakota .....	24,849	19,729	12,855	8,882	8,086	7,410	3,908	3,436
Tennessee .....	130,022	143,651	60,673	66,682	50,575	58,487	18,773	18,482
Texas .....	670,837	683,132	412,386	413,835	188,422	193,929	79,029	75,368
Utah .....	44,548	39,979	23,407	24,183	16,874	11,770	4,266	4,026
Vermont .....	6,335	3,751	2,780	1,555	2,910	1,480	645	715
Virginia .....	171,060	186,071	96,987	102,494	50,591	58,456	23,483	25,121
Washington .....	150,951	138,980	72,463	69,292	57,469	49,350	21,019	20,338
West Virginia ....	52,441	50,916	29,252	25,210	14,515	16,858	8,674	8,847
Wisconsin .....	198,885	206,476	113,491	112,072	58,483	70,515	26,910	23,888
Wyoming .....	13,897	13,737	9,588	8,771	2,601	3,118	1,707	1,849

See page 49 for footnotes.



Table 32.--New Urban Dwelling Units Authorized: Number and Valuation, by Type of Structure, Ownership and Geographic Division, Annually 1951-52

Geographic division <sup>5</sup>	All types of structures		1-family structures <sup>18</sup>		Percentage distribution			
					All types of structures		1-family structures <sup>18</sup>	
	1952	1951	1952	1951	1952	1951	1952	1951
Number of units <sup>17</sup>								
Total - privately and publicly owned								
All urban places .....	616,837	601,245	459,430	439,015	100.0	100.0	100.0	100.0
New England .....	34,672	39,767	28,911	29,356	5.6	6.6	6.3	6.7
Middle Atlantic .....	91,335	93,249	54,319	50,785	14.8	15.5	11.8	11.6
East North Central .....	105,419	110,700	88,896	93,246	17.1	18.4	19.3	21.2
West North Central .....	44,973	40,793	38,533	35,414	7.3	6.8	8.4	8.1
South Atlantic .....	84,866	86,151	56,443	55,248	13.8	14.3	12.3	12.6
East South Central .....	32,077	32,405	21,541	20,414	5.2	5.4	4.7	4.6
West South Central .....	82,976	83,576	68,792	66,064	13.4	13.9	15.0	15.0
Mountain .....	26,585	23,732	22,251	19,227	4.3	4.0	4.8	4.4
Pacific .....	113,934	90,872	79,744	69,261	18.5	15.1	17.4	15.8
Privately owned								
All urban places .....	563,211	534,605	457,389	435,219	100.0	100.0	100.0	100.0
New England .....	30,611	30,166	28,496	29,162	5.4	5.6	6.2	6.7
Middle Atlantic .....	75,809	75,597	54,238	50,744	13.4	14.2	11.9	11.7
East North Central .....	100,037	106,881	88,896	93,102	17.8	20.0	19.4	21.4
West North Central .....	42,021	39,929	38,533	35,414	7.5	7.5	8.4	8.2
South Atlantic .....	74,811	72,717	56,060	54,972	13.3	13.6	12.3	12.6
East South Central .....	25,929	24,059	21,489	20,182	4.6	4.5	4.7	4.6
West South Central .....	78,099	73,820	68,229	64,899	13.9	13.8	14.9	14.9
Mountain .....	25,204	22,500	22,134	18,829	4.5	4.2	4.8	4.3
Pacific .....	110,690	88,936	79,314	67,915	19.6	16.6	17.4	15.6
Valuation (in thousands) <sup>19</sup>								
Total - privately and publicly owned								
All urban places .....	\$5,107,389	\$4,967,613	\$4,067,189	\$3,846,616	100.0	100.0	100.0	100.0
New England .....	297,917	351,785	249,129	246,848	5.8	7.1	6.1	6.4
Middle Atlantic .....	838,086	820,391	547,132	489,999	16.4	16.5	13.5	12.7
East North Central .....	1,105,437	1,094,882	961,679	957,518	21.6	22.0	23.6	24.9
West North Central .....	386,343	340,749	338,676	307,724	7.6	6.9	8.3	8.0
South Atlantic .....	618,781	640,917	459,937	450,388	12.1	12.9	11.3	11.7
East South Central .....	189,435	198,481	126,012	120,302	3.7	4.0	3.1	3.1
West South Central .....	556,446	584,064	483,007	480,647	10.9	11.8	11.9	12.5
Mountain .....	193,144	175,211	169,431	149,062	3.8	3.5	4.2	3.9
Pacific .....	921,801	761,133	732,187	644,127	18.1	15.3	18.0	16.8
Privately owned								
All urban places .....	\$4,647,014	\$4,380,137	\$4,050,435	\$3,817,697	100.0	100.0	100.0	100.0
New England .....	254,713	250,608	243,696	244,607	5.5	5.7	6.0	6.4
Middle Atlantic .....	693,225	653,815	546,369	489,449	14.9	14.9	13.5	12.8
East North Central .....	1,052,652	1,057,716	961,679	956,241	22.7	24.1	23.7	25.0
West North Central .....	356,235	333,200	338,676	307,724	7.7	7.6	8.4	8.1
South Atlantic .....	541,944	529,289	457,190	448,389	11.7	12.1	11.3	11.8
East South Central .....	141,665	131,116	125,606	118,464	3.1	3.0	3.1	3.1
West South Central .....	522,589	510,808	479,281	472,369	11.2	11.7	11.8	12.4
Mountain .....	183,059	166,485	168,483	146,009	3.9	3.8	4.2	3.8
Pacific .....	898,932	747,099	729,456	634,446	19.3	17.1	18.0	16.6

See page 49 for footnotes.

URBAN BUILDING AUTHORIZED

Table 33.—New Urban Dwelling Units Authorized: Number, by State, Annually, 1940-52<sup>17</sup>

State	Number of new urban dwelling units						
	1940	1941	1942	1943	1944	1945	1946
All urban places .....	396,612	439,582	280,838	209,418	114,875	160,526	528,505
Alabama .....	6,415	6,157	6,376	2,042	1,630	2,783	9,515
Arizona .....	1,531	1,125	711	1,340	690	1,431	2,465
Arkansas .....	2,069	2,637	1,558	570	630	1,382	3,154
California .....	64,196	71,441	53,627	46,716	34,038	36,879	82,935
Colorado .....	3,752	4,146	1,068	491	684	3,066	8,347
Connecticut .....	7,512	11,101	7,862	5,012	705	687	4,159
Delaware .....	346	277	568	1,189	62	108	461
Dist. of Col. ....	8,680	10,690	9,632	5,234	2,606	3,352	4,000
Florida .....	15,303	13,515	5,993	4,389	4,159	7,982	19,962
Georgia .....	8,801	6,988	5,222	6,291	2,314	2,387	8,336
Idaho .....	1,441	1,292	121	219	373	695	3,318
Illinois .....	13,876	17,638	9,349	6,732	6,496	9,122	23,556
Indiana .....	8,094	9,593	5,714	3,085	2,549	2,900	12,459
Iowa .....	4,568	5,133	1,998	181	419	1,045	8,591
Kansas .....	2,347	3,543	3,021	2,810	914	1,328	6,068
Kentucky .....	2,678	3,054	1,770	644	440	561	4,316
Louisiana .....	6,594	7,065	2,408	1,767	5,038	3,200	7,613
Maine .....	684	1,344	2,925	1,427	70	164	847
Maryland .....	7,740	11,940	8,169	3,711	1,505	1,012	6,912
Massachusetts .....	10,058	11,372	4,691	1,976	387	2,202	14,308
Michigan .....	22,761	24,505	16,298	19,953	8,224	7,437	24,465
Minnesota .....	6,596	6,654	1,998	87	688	3,236	12,684
Mississippi .....	4,445	4,031	2,825	2,186	1,202	1,851	4,674
Missouri .....	5,257	6,777	2,128	269	949	1,542	9,620
Montana .....	1,478	1,054	335	212	373	410	2,040
Nebraska .....	1,905	1,804	992	2,124	704	652	2,964
Nevada .....	502	859	1,178	524	211	422	1,163
New Hampshire .....	655	891	228	10	10	134	867
New Jersey .....	12,229	14,231	10,757	4,026	1,236	3,075	14,912
New Mexico .....	1,545	1,419	635	773	653	1,246	2,489
New York .....	45,035	33,189	13,490	5,029	667	3,886	48,907
North Carolina .....	6,703	7,887	2,843	887	450	2,305	9,409
North Dakota .....	474	545	55	0	23	327	1,531
Ohio .....	19,885	25,452	12,550	16,575	6,764	7,540	25,094
Oklahoma .....	4,446	5,020	3,181	1,675	1,099	2,100	7,796
Oregon .....	3,523	3,792	6,569	5,574	1,617	2,245	6,915
Pennsylvania .....	15,369	27,080	13,989	9,651	2,390	3,097	19,099
Rhode Island .....	2,324	3,151	909	187	55	662	2,152
South Carolina .....	3,430	3,168	2,541	436	287	690	2,846
South Dakota .....	736	661	198	234	58	589	1,738
Tennessee .....	5,145	5,141	2,150	1,203	2,124	2,905	8,205
Texas .....	26,202	26,662	17,646	15,797	12,761	18,523	49,716
Utah .....	2,361	2,534	3,516	2,955	1,124	917	4,154
Vermont .....	230	297	208	33	4	60	268
Virginia .....	10,935	12,057	14,056	7,647	1,486	2,665	9,026
Washington .....	6,496	10,135	11,789	12,370	2,516	5,855	10,214
West Virginia .....	3,310	2,934	1,043	116	183	674	3,315
Wisconsin .....	5,384	6,973	3,809	2,119	1,139	3,071	9,857
Wyoming .....	566	628	139	940	169	324	1,063

See page 49 for footnotes.

Table 33.--New Urban Dwelling Units Authorized: Number, by State, Annually 1940-52<sup>12</sup>--Continued

State	Number of new urban dwelling units					
	1947	1948	1949	1950	1951	1952
All urban places .....	508,145	531,293	607,480	837,452	601,245	616,837
Alabama .....	10,123	7,914	12,096	16,078	11,432	10,095
Arizona .....	2,202	2,376	1,419	2,609	2,666	2,081
Arkansas .....	4,488	3,850	5,412	6,993	5,341	5,154
California .....	82,301	95,902	78,032	109,041	79,230	101,916
Colorado .....	4,949	5,812	7,256	12,130	8,841	9,890
Connecticut .....	4,788	6,126	6,035	12,447	9,017	10,609
Delaware .....	257	347	269	473	662	816
Dist. of Col. ....	4,303	3,797	8,254	4,857	4,494	4,761
Florida .....	27,381	24,644	27,115	33,860	28,561	29,303
Georgia .....	7,216	7,161	9,071	14,152	12,832	11,327
Idaho .....	1,774	2,198	2,731	3,806	1,389	1,125
Illinois .....	21,627	21,884	23,205	42,564	31,666	31,579
Indiana .....	11,927	11,175	13,062	15,980	11,127	11,795
Iowa .....	5,124	5,541	6,328	10,300	6,737	6,154
Kansas .....	5,773	6,656	7,748	9,193	6,445	8,587
Kentucky .....	4,622	3,295	3,488	5,077	5,628	5,909
Louisiana .....	6,387	8,805	10,122	15,536	11,753	9,059
Maine .....	1,116	1,311	963	1,558	911	984
Maryland .....	7,854	8,218	7,439	10,479	8,317	7,029
Massachusetts .....	13,697	16,722	22,625	26,068	23,273	18,347
Michigan .....	26,096	19,631	31,020	41,029	24,419	20,990
Minnesota .....	9,077	9,269	10,809	16,297	10,255	8,945
Mississippi .....	4,581	4,325	6,801	6,822	4,292	5,293
Missouri .....	8,205	8,721	10,958	18,208	10,406	12,887
Montana .....	1,336	1,399	1,503	1,779	1,339	1,483
Nebraska .....	3,556	3,102	3,415	6,251	4,688	5,470
Nevada .....	1,551	625	530	1,106	1,210	1,511
New Hampshire .....	1,224	1,550	1,247	1,348	1,083	1,389
New Jersey .....	21,003	18,775	27,861	37,182	23,742	24,630
New Mexico .....	3,188	3,843	6,114	8,049	4,449	6,851
New York .....	28,943	41,412	64,852	65,076	41,989	40,794
North Carolina .....	10,222	9,533	12,715	16,349	11,014	11,193
North Dakota .....	939	1,048	1,187	1,347	1,021	1,143
Ohio .....	23,795	22,221	27,617	42,670	32,097	29,783
Oklahoma .....	7,771	6,648	8,090	12,041	8,272	8,368
Oregon .....	5,673	6,469	5,651	7,502	4,327	4,203
Pennsylvania .....	18,999	23,186	25,286	40,480	27,518	25,911
Rhode Island .....	2,721	3,372	3,272	4,687	5,257	2,996
South Carolina .....	3,089	3,917	5,963	7,190	5,372	5,376
South Dakota .....	1,768	1,692	1,469	2,530	1,241	1,787
Tennessee .....	8,373	7,349	8,756	14,385	11,053	10,780
Texas .....	52,866	54,062	52,124	80,458	58,210	60,395
Utah .....	2,573	2,978	3,460	5,290	2,956	2,746
Vermont .....	246	251	381	458	226	347
Virginia .....	10,805	9,027	10,564	11,464	11,245	11,728
Washington .....	8,963	8,635	9,112	11,417	7,315	7,815
West Virginia .....	2,915	3,181	2,939	4,090	3,454	3,333
Wisconsin .....	9,121	10,078	9,881	16,782	11,391	11,272
Wyoming .....	637	1,259	1,231	1,944	882	898

See page 49 for footnotes.

**URBAN BUILDING AUTHORIZED**

Table 34.--New Urban Dwelling Units Authorized: Number, by Type of Structure, Ownership, and State, Annually 1951-52 <sup>17</sup>

State	Total--privately and publicly owned units				Privately owned units			
	Number of new dwelling units in--							
	All types of structures		1-family structures <sup>18</sup>		All types of structures		1-family structures <sup>18</sup>	
	1952	1951	1952	1951	1952	1951	1952	1951
All urban places ...	616,837	601,245	459,430	439,015	563,211	534,605	457,389	435,219
Alabama .....	10,095	11,432	6,993	7,397	7,887	8,436	6,993	7,397
Arizona .....	2,081	2,666	1,399	1,899	2,034	2,062	1,352	1,779
Arkansas .....	5,154	5,341	4,486	4,336	4,890	4,777	4,486	4,336
California .....	101,916	79,230	70,022	59,505	98,672	77,384	69,592	58,219
Colorado .....	9,890	8,841	7,461	6,814	8,686	8,441	7,461	6,662
Connecticut .....	10,609	9,017	7,227	7,705	8,199	7,855	7,063	7,657
Delaware .....	816	862	411	846	436	862	411	846
District of Columbia	4,761	4,494	1,251	1,523	4,315	4,146	1,251	1,523
Florida .....	29,303	28,561	19,482	18,690	28,175	27,491	19,482	18,690
Georgia .....	11,327	12,832	7,061	5,887	9,095	8,221	6,853	5,867
Idaho .....	1,125	1,389	1,077	1,316	1,125	1,389	1,077	1,316
Illinois .....	31,579	31,666	24,675	25,612	28,030	29,377	24,675	25,468
Indiana .....	11,795	11,127	9,772	9,960	11,008	10,705	9,772	9,960
Iowa .....	6,154	6,737	5,940	6,386	6,154	6,737	5,940	6,386
Kansas .....	8,587	6,445	7,478	5,303	8,587	6,445	7,478	5,303
Kentucky .....	5,909	5,628	3,519	3,200	4,648	3,678	3,519	3,200
Louisiana .....	9,059	11,753	6,894	8,690	7,525	9,812	6,504	8,590
Maine .....	984	911	970	874	984	911	970	874
Maryland .....	7,029	8,317	6,154	7,024	6,623	7,185	6,154	7,024
Massachusetts .....	18,347	23,273	16,373	16,111	16,936	16,524	16,122	15,965
Michigan .....	20,990	24,419	18,651	21,932	20,204	23,437	18,651	21,932
Minnesota .....	8,945	10,255	8,514	8,485	8,945	9,623	8,514	8,485
Mississippi .....	5,293	4,292	4,498	3,570	4,818	3,875	4,498	3,470
Missouri .....	12,887	10,406	9,295	9,013	10,235	10,174	9,295	9,013
Montana .....	1,483	1,339	1,319	1,228	1,423	1,289	1,319	1,202
Nebraska .....	5,470	4,688	4,850	4,169	5,170	4,688	4,850	4,169
Nevada .....	1,511	1,210	1,194	791	1,511	1,110	1,194	691
New Hampshire .....	1,389	1,083	1,241	851	1,265	883	1,241	851
New Jersey .....	24,630	23,742	17,346	15,029	20,950	19,862	17,346	15,029
New Mexico .....	6,851	4,449	6,382	3,891	6,781	4,371	6,312	3,891
New York .....	40,794	41,989	17,149	15,093	32,406	32,340	17,149	15,087
North Carolina .....	11,193	11,014	7,536	7,292	9,134	8,722	7,361	7,036
North Dakota .....	1,143	1,021	1,056	902	1,143	1,021	1,056	902
Ohio .....	29,783	32,097	26,376	26,117	29,783	32,031	26,376	26,117
Oklahoma .....	8,368	8,272	7,094	7,974	8,368	8,272	7,094	7,974
Oregon .....	4,203	4,327	3,677	3,649	4,203	4,327	3,677	3,649
Pennsylvania .....	25,911	27,518	19,824	20,663	22,453	23,395	19,743	20,628
Rhode Island .....	2,996	5,257	2,755	3,589	2,880	3,767	2,755	3,589
South Carolina .....	5,376	5,372	3,906	3,389	4,503	4,187	3,906	3,389
South Dakota .....	1,787	1,241	1,400	1,156	1,787	1,241	1,400	1,156
Tennessee .....	10,780	11,053	6,531	6,247	8,576	8,070	6,479	6,115
Texas .....	60,395	58,210	50,318	45,064	57,316	50,959	50,145	43,999
Utah .....	2,746	2,956	2,535	2,542	2,746	2,956	2,535	2,542
Vermont .....	347	226	345	226	347	226	345	226
Virginia .....	11,728	11,245	7,983	7,527	9,697	8,449	7,983	7,527
Washington .....	7,815	7,315	6,045	6,107	7,815	7,225	6,045	6,047
West Virginia .....	3,333	3,454	2,659	3,070	2,833	3,454	2,659	3,070
Wisconsin .....	11,272	11,391	9,422	9,625	11,012	11,331	9,422	9,625
Wyoming .....	898	882	884	746	898	882	884	746

See page 49 for footnotes.

URBAN BUILDING AUTHORIZED

Table 35.--New Urban Dwelling Units Authorized: Valuation, by Type of Structure, Ownership and State, Annually 1951-52 19

State	Total-privately and publicly owned units				Privately owned units			
	Valuation (in thousands) of new dwelling units in--							
	All types of structures		1-family structures <sup>18</sup>		All types of structures		1-family structures <sup>18</sup>	
	1952	1951	1952	1951	1952	1951	1952	1951
All urban places ...	\$5,107,389	\$4,967,613	\$4,067,189	\$3,846,616	\$4,647,014	\$4,380,137	\$4,050,435	\$3,817,697
Alabama .....	58,065	64,808	39,830	39,870	42,576	42,575	39,830	39,870
Arizona .....	13,763	17,204	10,781	13,069	13,370	13,464	10,388	12,245
Arkansas .....	30,524	31,756	26,996	26,079	28,972	28,114	26,996	26,079
California .....	811,849	654,368	637,082	549,518	788,980	640,968	634,351	540,215
Colorado .....	70,857	67,664	56,592	55,010	62,203	64,565	56,592	53,869
Connecticut .....	95,559	84,212	67,514	71,756	70,973	72,690	65,399	71,305
Delaware .....	8,344	7,823	4,592	7,717	4,766	7,823	4,592	7,717
Dist. of Col. ....	30,482	29,457	12,160	15,648	25,843	26,263	12,160	15,648
Florida .....	215,171	219,917	166,641	165,818	207,987	212,109	166,641	165,818
Georgia .....	70,264	79,942	48,611	36,648	54,839	44,911	47,215	36,498
Idaho .....	9,733	10,752	9,510	10,325	9,733	10,752	9,510	10,325
Illinois .....	362,580	338,950	296,019	285,971	327,162	316,507	296,019	284,695
Indiana .....	96,564	88,884	82,555	81,054	89,718	85,141	82,555	81,054
Iowa .....	58,138	60,986	56,738	58,717	58,138	60,986	56,738	58,717
Kansas .....	56,774	40,917	51,776	35,931	56,774	40,917	51,776	35,931
Kentucky .....	40,199	42,215	22,762	21,872	28,430	24,213	22,762	21,872
Louisiana .....	63,886	85,543	51,610	62,096	53,189	67,875	48,980	61,473
Maine .....	7,154	6,005	7,083	5,810	7,154	6,005	7,083	5,810
Maryland .....	56,389	66,024	49,151	53,603	52,285	54,573	49,151	53,603
Massachusetts .....	157,022	205,986	139,575	132,899	140,717	134,443	136,257	131,108
Michigan .....	207,950	238,757	189,948	218,109	199,963	228,992	189,948	218,109
Minnesota .....	94,936	102,050	91,714	88,553	94,936	96,211	91,714	88,553
Mississippi .....	31,710	25,865	27,069	22,949	28,302	23,105	27,069	22,202
Missouri .....	111,740	84,203	80,289	75,808	86,227	82,494	80,289	75,808
Montana .....	11,866	9,809	10,814	9,205	11,383	9,338	10,814	8,960
Nebraska .....	40,462	33,825	35,994	31,239	37,868	33,825	35,994	31,239
Nevada .....	13,446	9,534	11,656	7,250	13,446	8,691	11,656	6,407
New Hampshire .....	10,941	8,409	9,595	6,255	9,713	6,395	9,595	6,255
New Jersey .....	226,069	215,093	168,654	146,347	190,191	177,010	168,654	146,347
New Mexico .....	41,115	27,881	39,158	25,322	40,560	27,308	38,604	25,322
New York .....	358,596	352,987	173,862	145,957	282,544	263,626	173,862	145,799
North Carolina .....	77,393	75,553	57,703	52,834	62,989	56,819	56,351	50,984
North Dakota .....	11,941	10,002	11,229	9,184	11,941	10,002	11,229	9,184
Ohio .....	325,565	316,831	295,195	274,783	325,565	316,208	295,195	274,783
Oklahoma .....	52,719	56,989	45,998	55,720	52,719	56,989	45,998	55,720
Oregon .....	37,864	37,912	34,189	33,626	37,864	37,912	34,189	33,626
Pennsylvania .....	253,421	252,312	204,616	197,695	220,490	213,179	203,853	197,303
Rhode Island .....	24,461	45,671	22,588	28,626	23,376	29,574	22,588	28,626
South Carolina .....	35,342	35,005	27,882	22,909	29,806	25,283	27,882	22,909
South Dakota .....	12,351	8,766	10,935	8,291	12,351	8,766	10,935	8,291
Tennessee .....	59,462	65,592	36,351	35,611	42,358	41,225	35,945	34,521
Texas .....	409,316	409,776	358,403	336,752	387,709	357,831	357,307	329,096
Utah .....	23,307	24,070	21,954	21,265	23,307	24,070	21,954	21,265
Vermont .....	2,780	1,501	2,774	1,501	2,780	1,501	2,774	1,501
Virginia .....	96,288	102,111	70,507	72,146	79,761	76,423	70,507	72,146
Washington .....	72,088	68,853	60,917	60,984	72,088	68,220	60,917	60,605
West Virginia .....	29,109	25,085	22,690	23,066	23,667	25,085	22,690	23,066
Wisconsin .....	112,778	111,460	97,962	97,600	110,245	110,868	97,962	97,600
Wyoming .....	9,056	8,297	8,965	7,616	9,056	8,297	8,965	7,616

See page 49 for footnotes.

# URBAN BUILDING AUTHORIZED

Table 36.--Urban Building Authorized in Cities of 50,000 Population or More (1950 Census), by Class of Construction, Annually 1951-52 <sup>1</sup>

State and city	All building construction (including additions, alterations, and repairs)		New dwelling units (housekeeping only)				Other new building <sup>2</sup>	
	Valuation (in thousands)		Number		Valuation (in thousands)		Valuation (in thousands)	
	1952	1951	1952	1951	1952	1951	1952	1951
<b>Alabama:</b>								
Birmingham .....	\$21,603	\$24,719	1,669	2,010	\$8,775	\$10,417	\$7,457	\$7,039
Gadsden .....	5,185	4,875	283	622	1,475	3,718	3,460	855
Mobile .....	11,001	7,296	1,112	639	7,376	2,375	2,028	3,628
Montgomery .....	11,492	9,748	1,340	1,061	8,967	7,035	1,101	1,790
<b>Arizona:</b>								
Phoenix .....	14,604	21,424	838	1,306	4,354	8,448	7,701	11,015
<b>Arkansas:</b>								
Little Rock .....	8,868	21,930	482	832	4,843	6,424	1,550	13,675
<b>California:</b>								
Alameda .....	6,829	7,092	91	143	602	964	5,329	4,522
Alhambra .....	5,787	5,783	322	515	2,072	3,428	2,553	1,612
Berkeley .....	5,176	9,022	306	298	2,424	2,816	890	3,844
Burbank .....	16,115	25,978	1,131	1,807	7,075	15,694	6,763	7,815
Fresno .....	13,304	17,362	856	1,313	6,148	9,007	4,810	6,459
Glendale .....	11,353	10,022	1,236	700	8,128	5,801	1,668	2,974
Long Beach .....	42,907	37,737	2,641	1,433	19,298	11,710	14,913	18,474
Los Angeles .....	371,272	274,724	28,070	18,627	230,156	160,294	94,691	76,385
Oakland .....	27,564	31,946	1,241	1,301	11,001	12,188	9,530	11,572
Pasadena .....	14,355	22,627	750	1,451	6,805	15,683	5,303	4,689
Richmond .....	7,532	8,744	441	483	2,941	3,249	3,529	4,300
Sacramento .....	12,908	14,177	954	1,151	6,187	6,280	4,532	5,962
San Bernardino ..	14,577	14,927	1,067	1,434	9,569	11,781	3,445	1,916
San Diego .....	97,197	74,419	9,730	6,072	67,363	41,877	20,239	22,824
San Francisco ...	51,005	56,417	1,708	1,692	15,065	14,972	22,532	28,198
San Jose .....	12,227	22,155	955	1,005	7,670	8,107	2,708	12,723
Santa Monica ....	9,448	11,481	902	718	6,041	5,336	1,431	5,033
South Gate .....	5,205	4,584	480	262	2,777	1,495	991	1,640
Stockton .....	7,704	11,843	440	689	3,290	5,749	2,933	5,058
<b>Colorado:</b>								
Denver .....	66,884	68,177	5,990	4,861	38,539	37,667	19,717	22,554
Pueblo .....	13,109	8,230	1,208	723	9,444	5,216	2,526	1,756
<b>Connecticut:</b>								
Bridgeport .....	16,584	5,483	1,587	303	14,542	2,643	1,004	1,978
Hartford .....	8,822	14,382	484	842	3,833	7,893	2,190	3,347
New Britain .....	10,373	9,788	836	518	7,837	4,533	1,962	3,906
New Haven .....	8,691	13,821	164	469	1,533	4,570	5,304	7,475
Stamford .....	11,113	15,139	384	970	5,334	10,306	4,166	3,368
Waterbury .....	12,065	7,436	830	549	6,407	3,620	3,587	1,029
<b>Delaware:</b>								
Wilmington .....	12,816	8,968	581	260	6,306	2,689	4,491	3,686
<b>District of Columbia</b>								
Washington .....	54,297	69,345	4,761	4,494	30,482	29,457	15,028	24,497
<b>Florida:</b>								
Jacksonville ....	16,373	17,390	929	1,254	4,708	6,346	7,387	6,919
Miami .....	37,425	36,946	3,025	2,911	17,660	18,951	11,758	10,346
Orlando .....	11,970	12,862	1,020	899	7,904	6,816	1,499	4,953
St. Petersburg ..	28,927	23,954	3,219	2,867	21,036	18,260	4,448	2,826
Tampa .....	13,987	12,973	1,189	1,102	7,247	7,185	3,587	3,525
<b>Georgia:</b>								
Atlanta .....	41,188	35,678	2,851	2,352	21,524	17,438	12,097	11,391
Augusta .....	6,270	5,773	278	559	1,456	3,487	3,870	1,267
Columbus .....	6,567	8,830	267	639	1,510	3,795	3,359	3,564
Macon .....	2,720	2,530	281	256	888	934	450	334
Savannah .....	6,033	6,047	904	755	4,628	4,252	817	997

See page 49 for footnotes.

URBAN BUILDING AUTHORIZED

Table 36.--Urban Building Authorized in Cities of 50,000 Population or More (1950 Census), by Class of Construction, Annually 1951-52<sup>1</sup>--Continued

State and city	All building construction (including additions, alterations, and repairs)		New dwelling units (housekeeping only)				Other new building <sup>2</sup>	
	Valuation (in thousands)		Number		Valuation (in thousands)		Valuation (in thousands)	
	1952	1951	1952	1951	1952	1951	1952	1951
<b>Illinois:</b>								
Aurora .....	\$1,740	\$5,636	191	246	\$2,161	\$2,831	\$1,821	\$1,993
Berwyn .....	4,004	<sup>20</sup> 3,122	221	<sup>20</sup> 168	2,877	<sup>20</sup> 2,097	829	<sup>20</sup> 814
Chicago .....	192,721	218,773	10,734	9,535	110,405	94,984	54,023	104,713
Cicero .....	(21) 5,261	(21) 5,261	(21)	173	(21)	1,453	(21)	3,626
Decatur .....	3,122	<sup>22</sup> 5,796	189	<sup>22</sup> 236	1,947	<sup>22</sup> 2,426	638	<sup>22</sup> 3,140
East St. Louis ..	7,322	<sup>23</sup> 5,179	576	<sup>23</sup> 438	5,429	<sup>23</sup> 4,194	1,349	<sup>23</sup> 661
Evanston .....	7,627	8,946	298	339	4,563	4,261	2,408	3,583
Joliet .....	7,412	4,582	404	244	4,215	3,056	2,546	905
Oak Park .....	4,169	3,850	110	151	1,209	1,847	2,528	1,681
Peoria .....	5,542	12,733	190	670	2,099	6,094	1,856	3,416
Rockford .....	11,161	9,621	804	843	6,724	6,449	2,668	1,411
Springfield .....	4,644	4,859	280	317	2,673	2,779	1,183	1,235
<b>Indiana:</b>								
East Chicago ....	3,413	5,797	203	47	1,429	386	1,159	4,401
Evansville .....	5,954	3,834	527	476	2,729	1,576	1,708	1,337
Fort Wayne .....	11,027	17,357	580	782	5,384	7,338	4,236	8,628
Gary .....	19,454	12,884	1,443	983	12,316	8,285	5,483	3,438
Hammond .....	11,101	18,809	836	916	7,410	7,834	2,651	10,226
Indianapolis ....	36,049	43,677	1,938	1,350	15,444	11,348	14,208	28,084
Muncie .....	3,189	4,033	240	277	1,939	1,993	688	1,767
South Bend .....	16,715	17,985	1,024	1,087	11,133	11,252	3,825	5,021
Terre Haute .....	3,011	3,968	130	177	559	800	1,991	2,749
<b>Iowa:</b>								
Cedar Rapids ....	6,610	8,313	555	664	4,574	5,120	996	1,936
Davenport .....	10,644	9,739	472	436	5,062	4,871	3,842	3,274
Des Moines .....	19,432	15,973	753	921	7,959	9,387	10,014	5,299
Sioux City .....	4,910	6,449	443	505	3,060	3,442	1,096	2,365
Waterloo .....	6,372	7,882	315	415	3,068	3,522	1,790	3,218
<b>Kansas:</b>								
Kansas City .....	12,327	6,612	379	481	2,093	2,337	8,390	3,221
Topeka .....	6,980	8,622	405	461	3,665	4,180	2,736	3,931
Wichita .....	32,065	30,436	3,633	2,984	20,885	15,560	5,298	9,029
<b>Kentucky:</b>								
Covington .....	(21)	748	(21)	36	(21)	383	(21)	167
Lexington .....	5,089	8,580	103	508	860	5,269	3,063	2,534
Louisville .....	16,691	32,539	1,229	2,174	7,152	14,385	7,205	16,852
<b>Louisiana:</b>								
Baton Rouge .....	10,584	10,960	707	897	4,839	6,499	3,942	2,697
New Orleans .....	82,734	77,677	3,510	4,793	31,124	43,895	36,517	21,099
Shreveport .....	20,381	15,186	983	1,439	7,888	9,749	5,435	1,742
<b>Maine:</b>								
Portland .....	3,543	3,717	137	163	1,244	1,355	1,642	1,790
<b>Maryland:</b>								
Baltimore .....	58,710	83,241	3,917	5,789	31,991	46,162	10,948	20,518
<b>Massachusetts:</b>								
Boston <sup>24</sup> .....	46,681	63,303	1,390	3,686	14,809	38,785	22,985	15,851
Brockton .....	3,993	21,467	244	247	2,071	2,278	1,103	18,562
Cambridge .....	5,353	9,829	186	221	1,790	3,189	2,286	5,639
Fall River .....	1,776	5,908	99	447	726	4,022	748	1,105
Holyoke .....	2,696	3,845	130	115	1,115	851	1,281	2,777
Lawrence .....	2,325	5,458	37	465	327	4,471	1,668	568
Lowell .....	1,401	5,617	99	387	526	2,725	506	2,510
Lynn .....	4,792	9,042	278	459	2,297	4,504	1,670	3,827
Malden .....	4,799	1,060	328	80	2,931	495	838	180
Medford .....	1,649	3,701	143	270	1,076	2,578	415	917

See page 49 for footnotes.

**URBAN BUILDING AUTHORIZED**

Table 36.--Urban Building Authorized in Cities of 50,000 Population or More (1950 Census), by Class of Construction, Annually 1951-52<sup>1</sup> --Continued

State and city	All building construction (including additions, alterations, and repairs)		New dwelling units (housekeeping only)				Other new building <sup>2</sup>	
	Valuation (in thousands)		Number		Valuation (in thousands)		Valuation (in thousands)	
	1952	1951	1952	1951	1952	1951	1952	1951
<b>Massachusetts:(cont'd)</b>								
New Bedford .....	\$2,002	\$6,948	168	534	\$937	\$4,102	\$585	\$2,314
Newton .....	8,560	14,121	465	482	5,715	6,323	1,851	7,118
Pittsfield .....	7,826	6,893	266	333	3,130	3,526	4,180	2,730
Quincy .....	3,215	6,869	237	403	1,564	3,436	812	1,939
Somerville .....	592	909	5	6	34	27	174	267
Springfield .....	10,251	21,587	864	887	5,391	5,783	3,186	14,549
Worcester .....	12,145	25,763	467	1,081	2,747	8,763	8,053	15,432
<b>Michigan:</b>								
Bay City .....	2,958	3,583	173	226	1,468	1,859	860	994
Dearborn .....	27,707	36,067	898	1,292	12,458	16,785	11,939	14,345
Detroit .....	136,789	163,900	5,443	7,029	55,164	72,879	60,153	66,956
Flint .....	24,580	21,672	1,356	1,035	11,669	9,036	7,709	8,682
Grand Rapids ....	8,917	12,288	370	723	3,013	5,409	4,492	3,814
Jackson .....	2,888	1,798	75	113	698	902	1,567	510
Kalamazoo .....	2,215	2,533	48	66	454	631	1,027	859
Lansing .....	12,523	14,680	477	486	4,269	4,194	7,018	10,034
Pontiac .....	4,838	18,123	187	712	1,694	6,405	2,331	10,633
Saginaw .....	7,167	5,549	375	433	2,321	2,172	3,901	2,526
<b>Minnesota:</b>								
Duluth .....	6,166	6,414	298	530	2,146	4,230	2,659	945
Minneapolis .....	32,728	45,642	1,246	1,679	13,661	17,496	10,492	20,172
St. Paul .....	34,283	36,345	1,275	1,797	16,427	18,134	12,286	11,922
<b>Mississippi:</b>								
Jackson .....	13,779	12,341	563	691	4,095	4,420	8,218	6,104
<b>Missouri:</b>								
Kansas City .....	42,542	33,596	2,606	1,881	24,393	17,261	12,504	9,856
St. Joseph .....	1,780	1,486	176	172	674	882	864	141
St. Louis .....	58,381	39,758	2,799	1,633	28,755	13,666	22,407	15,218
Springfield .....	7,551	6,781	560	531	3,153	3,412	2,990	2,258
<b>Nebraska:</b>								
Lincoln .....	12,350	13,081	1,415	1,302	8,738	8,134	2,491	3,778
Omaha .....	21,111	15,298	1,467	1,068	10,588	7,551	8,432	5,310
<b>New Hampshire:</b>								
Manchester .....	5,542	6,557	414	555	2,901	4,591	1,324	509
<b>New Jersey:</b>								
Atlantic City ...	(21)	3,538	(21)	146	(21)	1,589	(21)	1,274
Bayonne .....	4,009	4,018	343	357	2,565	2,753	833	969
Camden .....	8,936	4,876	551	118	4,902	784	3,122	2,915
Clifton .....	10,277	8,897	716	468	5,754	4,006	3,746	4,249
East Orange .....	2,258	<sup>25</sup> 2,104	36	<sup>25</sup> 95	280	<sup>25</sup> 633	959	<sup>25</sup> 764
Elizabeth .....	3,509	4,634	136	212	960	1,202	2,015	3,108
Hoboken .....	<sup>26</sup> 597	<sup>27</sup> 669	<sup>26</sup> 0	<sup>27</sup> 0	<sup>26</sup> 0	<sup>27</sup> 0	<sup>26</sup> 191	<sup>27</sup> 60
Irrington .....	3,180	1,227	178	95	1,599	747	1,339	182
Jersey City .....	12,312	5,252	727	209	7,467	1,022	2,484	2,469
Newark .....	40,055	34,783	2,809	2,700	23,065	22,267	11,311	8,879
Passaic .....	<sup>28</sup> 5,564	3,361	<sup>28</sup> 436	173	<sup>28</sup> 4,090	1,321	<sup>28</sup> 925	1,382
Paterson .....	5,831	10,010	279	726	1,963	6,618	2,162	1,884
Trenton .....	4,696	11,580	143	595	1,092	5,082	2,137	5,383
Union City .....	1,772	1,200	147	96	1,416	861	4	0
<b>New Mexico:</b>								
Albuquerque .....	27,850	<sup>29</sup> 19,427	3,207	<sup>29</sup> 1,721	21,625	<sup>29</sup> 10,727	4,838	<sup>29</sup> 7,192
<b>New York:</b>								
Albany .....	9,896	7,547	608	347	6,562	3,707	2,365	1,519
Binghamton .....	6,446	2,795	253	133	2,668	1,097	3,043	817
Buffalo .....	21,749	22,091	1,087	872	9,766	7,014	7,932	5,007
Mt. Vernon .....	5,323	3,308	480	167	3,129	1,850	1,453	435

See page 49 for footnotes.



URBAN BUILDING AUTHORIZED

Table 36 --Urban Building Authorized in Cities of 50,000 Population or More (1950 Census), by Class of Construction, Annually 1951-52 <sup>1</sup> --Continued

State and city	All building construction (including additions, alterations, and repairs)		New dwelling units (housekeeping only)				Other new building <sup>2</sup>	
	Valuation (in thousands)		Number		Valuation (in thousands)		Valuation (in thousands)	
	1952	1951	1952	1951	1952	1951	1952	1951
New York: (cont'd)								
New Rochelle ....	\$9,773	\$6,247	595	444	\$7,183	\$4,450	\$2,014	\$1,328
New York City <sup>30</sup> .	355,698	360,034	22,527	24,787	181,693	193,450	138,130	122,750
Bronx .....	84,243	71,175	5,237	6,599	46,395	55,663	32,440	11,408
Brooklyn .....	78,251	45,776	5,424	2,507	45,265	21,920	24,226	13,595
Manhattan .....	63,066	120,034	1,934	2,818	15,763	27,239	31,263	69,030
Queens .....	118,662	120,417	8,961	12,680	65,516	86,830	48,557	28,536
Richmond .....	11,477	2,632	971	183	8,755	1,798	1,643	181
Niagara Falls ...	10,292	8,602	583	627	4,337	4,474	4,876	3,129
Rochester .....	16,974	21,153	668	1,058	5,671	9,501	7,736	8,321
Schenectady .....	4,699	5,822	203	223	1,518	1,526	2,057	2,713
Syracuse .....	10,259	18,166	492	680	5,146	5,631	2,912	9,874
Troy .....	9,283	4,802	447	217	4,581	2,374	4,022	1,876
Utica .....	2,269	5,574	235	345	1,499	2,365	381	2,735
Yonkers .....	17,803	8,433	1,389	634	13,051	5,740	3,757	1,943
North Carolina:								
Asheville .....	3,554	7,699	190	430	1,792	3,699	1,252	3,710
Charlotte: .....	20,578	20,586	1,489	1,276	10,991	10,651	7,617	8,020
Durham .....	9,291	9,137	812	267	5,638	2,129	1,447	4,850
Greensboro .....	8,940	13,923	845	1,682	4,274	10,518	3,845	2,413
Raleigh .....	17,779	12,753	711	486	6,073	4,211	10,657	7,715
Winston-Salem ...	11,341	14,075	898	1,067	6,719	9,368	3,304	3,063
Ohio:								
Akron .....	40,634	28,382	1,468	1,377	16,262	15,305	19,277	8,167
Canton .....	8,775	6,623	332	499	3,259	4,573	4,864	1,190
Cincinnati .....	47,223	68,236	1,331	3,793	15,365	28,827	15,126	22,567
Cleveland .....	57,256	65,977	2,567	1,683	23,831	15,384	20,213	33,243
Cleveland Heights	5,962	6,704	258	330	4,216	5,747	1,464	723
Columbus .....	38,261	32,486	1,712	1,811	18,202	17,453	14,654	11,159
Dayton .....	19,872	24,843	730	1,141	6,282	8,726	10,275	12,021
Hamilton .....	4,846	5,399	314	411	3,311	3,800	647	643
Lakewood .....	4,302	3,272	293	46	3,222	665	819	2,363
Lima .....	2,529	2,648	125	164	1,016	1,114	854	915
Lorain .....	4,554	4,866	363	366	2,684	2,591	1,344	1,723
Springfield .....	7,954	3,954	478	248	3,890	2,044	3,165	1,319
Toledo .....	17,623	19,494	1,012	1,145	8,944	10,566	6,088	7,217
Youngstown .....	15,158	11,130	658	570	6,434	5,080	6,845	3,688
Oklahoma:								
Oklahoma City ...	23,647	25,310	2,131	2,401	13,322	15,434	7,734	7,346
Tulsa .....	12,758	12,742	761	748	4,361	5,542	6,483	4,744
Oregon:								
Portland .....	49,546	37,787	1,880	1,721	19,104	17,799	19,411	11,503
Pennsylvania:								
Allentown .....	9,282	8,858	629	468	5,577	4,047	2,477	2,990
Altoona .....	3,347	3,386	99	212	806	2,121	1,836	605
Bethlehem .....	7,276	7,800	767	463	6,533	4,321	398	2,380
Chester .....	1,045	5,444	22	481	135	3,980	296	979
Erie .....	11,312	16,812	699	1,629	5,053	10,859	4,520	4,287
Harrisburg .....	5,678	9,584	165	742	1,153	7,472	3,417	1,048
Johnstown .....	1,883	4,751	55	361	455	3,662	721	288
Lancaster .....	5,372	2,692	79	100	650	807	3,769	1,241
McKeesport .....	3,201	3,803	218	316	1,975	2,607	720	617
Philadelphia ...	119,057	111,725	7,094	7,362	62,944	57,541	34,381	29,284
Pittsburgh .....	29,501	48,332	1,150	2,813	10,706	25,690	12,776	15,316
Reading .....	8,501	4,285	600	80	5,453	768	367	1,676
Scranton .....	2,937	2,709	225	68	1,992	483	318	1,320
Wilkes-Barre ...	2,632	1,779	22	19	210	138	767	640
York .....	4,471	3,311	283	59	2,688	555	487	1,315

See page 49 for footnotes.

URBAN BUILDING AUTHORIZED

Table 36.--Urban Building Authorized in Cities of 50,000 Population or More (1950 Census), by Class of Construction, Annually 1951-52<sup>1</sup> --Continued

State and city	All building construction (including additions, alterations, and repairs)		New dwelling units (housekeeping only)				Other new building <sup>2</sup>	
	Valuation (in thousands)		Number		Valuation (in thousands)		Valuation (in thousands)	
	1952	1951	1952	1951	1952	1951	1952	1951
Rhode Island:								
Cranston .....	\$5,584	\$6,830	501	531	\$3,836	\$4,005	\$1,259	\$2,496
Pawtucket .....	3,358	7,275	296	687	2,202	5,824	685	711
Providence .....	8,225	19,071	322	1,275	2,877	13,167	4,133	2,407
Woonsocket .....	1,199	5,292	73	434	610	4,210	315	701
South Carolina:								
Charleston .....	2,590	5,342	125	306	500	2,591	904	1,987
Columbia .....	10,404	11,834	896	915	5,732	6,271	3,370	3,997
Greenville .....	9,515	9,829	924	1,030	6,721	7,606	2,288	1,713
South Dakota:								
Sioux Falls .....	6,641	5,226	283	257	2,676	2,501	2,683	1,500
Tennessee:								
Chattanooga .....	10,403	10,148	314	782	1,450	5,096	6,787	3,105
Knoxville .....	11,238	7,982	370	440	2,562	3,126	6,800	2,917
Memphis .....	49,520	37,158	5,151	4,097	24,262	20,345	17,356	8,307
Nashville .....	18,267	42,793	1,514	2,017	10,111	14,393	5,048	25,251
Texas:								
Amarillo .....	24,248	21,252	2,893	2,477	17,073	15,914	4,885	3,399
Austin .....	27,898	28,913	1,643	1,808	16,432	17,273	9,035	9,706
Beaumont .....	7,445	7,033	854	810	4,212	4,251	1,786	1,491
Corpus Christi ..	21,690	17,352	1,783	1,270	11,078	9,125	8,303	5,870
Dallas .....	102,408	96,978	6,972	7,315	51,733	57,674	37,672	26,323
El Paso .....	15,417	14,590	1,518	1,394	9,354	9,675	3,918	3,054
Fort Worth .....	45,704	42,690	6,186	4,496	30,275	19,820	10,971	19,060
Galveston .....	3,621	10,606	228	638	878	3,482	2,056	5,673
Houston .....	114,652	137,225	7,540	7,997	70,414	79,579	31,074	45,077
Laredo .....	2,127	794	378	195	1,417	561	657	103
Lubbock .....	20,300	19,335	1,280	1,142	11,446	9,374	7,123	7,812
Port Arthur .....	4,291	7,394	239	605	1,563	4,570	1,633	2,015
San Angelo .....	5,590	9,050	467	605	2,739	3,753	827	3,420
San Antonio .....	47,964	53,547	4,945	6,159	28,191	36,350	11,969	9,488
Waco .....	13,241	14,898	1,120	1,261	8,131	8,339	3,733	5,075
Wichita Falls ...	16,510	7,285	1,629	830	12,000	4,499	3,254	1,638
Utah:								
Ogden .....	4,952	7,568	409	445	3,530	3,685	988	3,588
Salt Lake City ..	16,667	15,595	727	943	6,700	8,792	7,627	4,590
Virginia:								
Alexandria .....	10,165	7,545	712	536	5,789	5,298	3,230	1,131
Norfolk .....	31,807	29,440	2,920	2,153	20,352	15,371	7,875	7,278
Portsmouth .....	4,392	13,222	312	734	1,963	5,723	675	5,787
Richmond .....	21,488	31,333	677	1,723	6,825	16,572	10,378	10,952
Roanoke .....	8,327	14,427	521	1,241	4,508	10,698	2,217	2,386
Washington:								
Seattle .....	61,181	54,136	2,548	2,249	26,249	23,362	27,581	24,271
Spokane .....	21,773	21,903	1,351	1,429	13,913	14,272	5,005	5,107
Tacoma .....	13,132	18,159	582	1,103	6,450	10,912	4,424	4,666
West Virginia:								
Charleston .....	13,532	14,672	780	1,357	8,004	12,901	3,228	1,418
Huntington .....	7,220	9,980	314	490	2,728	3,964	3,389	3,612
Wheeling .....	3,383	3,029	83	88	964	978	755	521
Wisconsin:								
Green Bay .....	6,014	6,659	355	420	3,293	3,886	2,145	2,250
Kenosha .....	8,611	8,325	473	473	6,309	5,265	1,552	2,579
Madison .....	9,996	8,796	650	541	5,002	4,375	3,526	2,640
Milwaukee .....	68,740	79,091	3,675	3,887	38,758	39,313	18,850	29,574
Racine .....	8,435	8,554	502	521	5,532	5,089	2,075	2,582

See page 49 for footnotes.

URBAN BUILDING AUTHORIZED

<sup>1</sup>Building for which building permits were issued and Federal contracts awarded in all urban places, including (except in table 36) an estimate of building undertaken in some small urban places that do not issue building permits, or (for housing) that did not report. See introductory statement on page 33 for scope and source of estimates and "urban" definition. A tabulation showing "Number and Valuation of New Urban Dwelling Units Authorized in Cities of 50,000 Population or More (1950 Census) by Type of Structure, 1951-52" is available on request.

<sup>2</sup>For nonfederally owned building (private, and State, county, and local government construction, except public housing), the valuation shown represents estimated cost entered by builders on building-permit applications; no adjustment has been made for any undervaluations inherent in the estimates. For public housing, and for Federal and federally aided nonresidential building, the valuation data represent the amount of the construction contract. Building under various Federal-aid programs (National Hospital and National Airport Programs, etc.) is classified as Federal regardless of ownership, and construction contract amounts have been used, rather than permit valuations. Likewise, all publicly built housing (whether State, locally, or federally built) is classified as Federal construction, to facilitate comparison of total public and private housing activity.

<sup>3</sup>Covers additions, alterations, and repairs, as well as new residential and nonresidential building.

<sup>4</sup>Covers the valuation of nonhousekeeping residential buildings such as hotels, tourist cabins, etc., as well as the valuation of housekeeping buildings.

<sup>5</sup>The 9 Geographic Divisions are comprised of the following States: NEW ENGLAND—Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; MIDDLE ATLANTIC—New Jersey, New York, Pennsylvania; EAST NORTH CENTRAL—Illinois, Indiana, Michigan, Ohio, Wisconsin; WEST NORTH CENTRAL—Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota; SOUTH ATLANTIC—Delaware, District of Columbia, Florida, Georgia, Maryland, North Carolina, South Carolina, Virginia, West Virginia; EAST SOUTH CENTRAL—Alabama, Kentucky, Mississippi, Tennessee; WEST SOUTH CENTRAL—Arkansas, Louisiana, Oklahoma, Texas; MOUNTAIN—Arizona, Colorado, Idaho, Montana, New Mexico, Nevada, Utah, Wyoming; PACIFIC—California, Oregon, Washington.

<sup>6</sup>Includes factories, navy yards, army ordnance plants, bakeries, ice plants, industrial warehouses, and other buildings at the site of these and similar production plants.

<sup>7</sup>Includes amusement and recreation buildings, office and bank buildings, stores and other mercantile buildings, commercial garages, gasoline and service stations, etc.

<sup>8</sup>Includes churches, hospitals, and other institutional buildings, schools, libraries, etc.

<sup>9</sup>Includes Federal, State, county, and municipal buildings, such as city halls, fire and police stations, army barracks, naval stations, etc.

<sup>10</sup>Includes railroad, bus and airport buildings, roundhouses, radio stations, gas and electric plants, public comfort stations, etc.

<sup>11</sup>Includes private garages, sheds, stables and barns, and other buildings not elsewhere classified.

<sup>12</sup>Includes industrial warehouses. Commercial warehouses are included under stores and other mercantile buildings.

<sup>13</sup>Includes recreational structures such as theaters, halls, auditoriums, club and association buildings (without bedrooms), lodge buildings, natatoriums, bathhouses, locker buildings, baseball or other observation stands, stadiums, gymnasiums, amusement park buildings, pavilions, rinks, etc.

<sup>14</sup>Includes commercial warehouses.

<sup>15</sup>Includes all buildings affiliated with schools, colleges, libraries, museums, observatories, etc.

<sup>16</sup>Includes hospitals, asylums, medical clinic buildings, sanitariums, charitable institutions, etc., and affiliated buildings.

<sup>17</sup>These data on city dwelling units authorized, unlike the data on nonfarm housing started (tables 1-5), cover homebuilding in urban places only, excluding the unincorporated areas and small incorporated nonurban places (under 2,500 population in 1940) surrounding the urban cities. Also, the urban data do not represent the volume of new homebuilding actually started during the year (as do tables 1-5), since the building-permit data have not been adjusted for lapsed permits, nor for the lag between permit issuance or contract-award dates and start of construction. Urban and metropolitan location classifications are based on 1940 Census.

The following publicly owned dwelling units were authorized annually 1940-52:

Year	Total	Permanent	Temporary	Year	Total	Permanent	Temporary	Year	Total	Permanent	Temporary
1940 ...	63,446	63,446	0	1944 ...	21,702	2,984	18,718	1948 ...	15,114	14,888	226
1941 ...	70,117	64,801	5,316	1945 ...	11,327	1,241	10,086	1949 ...	32,194	32,193	1
1942 ...	95,946	42,486	53,460	1946 ...	98,310	8,027	90,283	1950 ...	38,953	38,953	0
1943 ...	89,704	4,686	85,018	1947 ...	5,833	4,173	1,660	1951 ...	66,640	66,640	0
								1952 ...	53,626	53,385	241

(Temporary units shown above are excluded from tables showing units started and units authorized.)

<sup>18</sup>Excludes units in 1-family structures with stores.

<sup>19</sup>Valuation for privately owned dwelling units represents the estimated cost entered by the builder on the permit application; no adjustment has been made to account for the understatement of actual construction cost usually found in building-permit valuations. For public housing, contract amounts representing only the cost of constructing the housing facilities are included. The cost of land, land development and architectural and engineering fees are excluded from both the private and public valuation data.

<sup>20</sup>June data not available. <sup>21</sup>Data not available. <sup>22</sup>February data not available. <sup>23</sup>July and October data not available. <sup>24</sup>Data represent "applications filed" rather than permits issued. <sup>25</sup>May data not available. <sup>26</sup>June and November data not available. <sup>27</sup>April, May, and October data not available. <sup>28</sup>July and November data not available.

<sup>29</sup>November data not available. <sup>30</sup>Building records in New York City are maintained from "applications filed" rather than permits issued. Since data shown here for New York are based on records of initial inspection after applications have been filed, the figures represent building actually under way; information shown for this city, therefore, is not comparable with data presented for other cities. Also, the figures for New York City understate the volume of work started because of initial inspections yet to be made. <sup>31</sup>September and October data not available.

\* Figure not shown where percent of change exceeds 300. \*\* Less than 0.5 of 1 percent.

Note: Components may not always equal totals because of rounding.

# BUILDING MATERIALS PRICES

Table 37.--Indexes of Wholesale Prices of Building Materials,  
Annually 1913-52, Monthly 1926-52<sup>1</sup>  
(1947-49 = 100)

Annually												
Year	Index	Year	Index	Year	Index	Year	Index					
1913	29.5	1923	56.6	1933	40.1	1943	58.0					
1914	27.5	1924	53.3	1934	44.9	1944	60.1					
1915	27.9	1925	53.0	1935	44.4	1945	61.3					
1916	35.2	1926	52.1	1936	45.1	1946	69.1					
1917	45.9	1927	49.4	1937	49.6	1947	94.0					
1918	51.4	1928	49.0	1938	47.0	1948	104.0					
1919	60.2	1929	49.7	1939	47.1	1949	102.0					
1920	78.2	1930	46.8	1940	49.4	1950	109.5					
1921	50.7	1931	41.2	1941	53.7	1951	119.6					
1922	50.6	1932	37.2	1942	57.4	1952	118.2					

Monthly												
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1926	52.7	52.5	52.3	52.0	51.7	51.6	51.8	52.1	52.1	52.1	52.4	52.0
1927	51.2	50.6	50.3	50.2	50.0	49.6	49.3	49.1	48.7	48.5	47.9	47.7
1928	48.0	48.0	47.9	48.3	48.7	49.2	49.3	49.4	49.4	49.6	49.9	49.9
1929	49.7	50.0	50.4	50.2	49.7	49.6	49.5	49.6	49.9	49.9	49.1	49.2
1930	49.1	49.0	48.9	48.7	48.1	46.8	46.1	45.7	45.3	45.0	44.5	44.1
1931	43.7	43.0	43.0	42.5	41.6	41.3	40.7	40.4	40.1	39.6	39.7	39.4
1932	39.0	38.2	38.1	37.8	37.3	36.9	36.3	36.2	36.7	36.8	36.9	36.9
1933	36.5	36.4	36.6	36.6	37.2	38.9	41.4	42.4	43.1	43.7	44.2	44.6
1934	44.9	45.1	45.0	45.2	45.5	45.7	45.3	44.7	44.6	44.4	44.3	44.3
1935	44.2	44.2	44.2	44.1	44.2	44.4	44.4	44.5	44.7	44.9	44.7	44.5
1936	44.6	44.6	44.4	44.6	44.7	44.7	45.1	45.2	45.4	45.5	45.7	46.6
1937	47.6	48.6	49.9	50.4	50.6	50.4	50.4	50.1	50.1	49.7	48.8	48.2
1938	47.8	47.4	47.7	47.5	47.1	46.7	46.4	46.6	46.6	46.8	46.5	46.6
1939	46.6	46.7	46.8	46.7	46.6	46.6	46.7	46.7	47.3	48.3	48.4	48.4
1940	48.7	48.5	48.6	48.2	48.2	48.1	48.2	48.6	49.8	50.9	51.5	51.7
1941	51.9	51.7	51.8	52.1	52.3	52.6	53.7	55.0	55.4	55.9	56.0	56.1
1942	56.9	57.3	57.5	57.4	57.4	57.4	57.5	57.4	57.5	57.5	57.3	57.3
1943	57.2	57.4	57.5	57.4	57.5	57.6	57.7	58.4	58.6	58.7	58.9	59.1
1944	59.1	59.2	59.5	60.0	60.3	60.3	60.4	60.4	60.4	60.6	60.6	60.6
1945	60.8	60.9	61.0	61.0	61.1	61.2	61.2	61.4	61.5	61.6	61.8	62.3
1946	62.5	63.0	65.0	65.9	66.6	67.7	68.8	69.1	69.7	70.2	75.8	82.2
1947	88.7	89.9	81.5	92.8	93.0	92.8	93.4	94.9	96.2	97.1	98.3	99.2
1948	100.7	101.2	101.8	102.0	102.5	103.1	104.5	106.7	107.0	106.6	106.3	105.9
1949	105.4	104.9	104.4	103.4	102.4	101.5	100.3	99.7	99.9	100.2	100.6	101.2
1950	102.1	103.2	104.1	104.7	106.3	107.5	109.1	112.0	114.4	115.8	116.3	118.3
1951	120.2	120.7	120.8	120.7	120.7	120.0	119.4	118.9	118.7	118.7	118.5	118.0
1952	117.8	117.9	118.0	118.2	118.1	117.8	118.0	118.6	118.7	118.6	118.4	118.3

<sup>1</sup> This index based on 1947-49=100 is the official wholesale price index for January 1952 and all subsequent periods. The index on the base 1926=100 is the official price index for December 1951 and all earlier dates. All the data are shown here on the 1947-49=100 base for comparability. The data from January 1947 represent the revised sample and the 1947-49 weighting pattern. Before January 1947 they are based on the month-to-month movement of the items included in the former index.

Table 38.--Indexes of Wholesale Prices of Building Materials,  
by Selected Types of Material, Annually 1926-52<sup>1</sup>  
(1947-49 = 100)

Type of material	1926	1927	1928	1929	1930	1931	1932	1933	1934
All building materials .....	52.1	49.4	49.0	49.7	46.8	41.2	37.2	40.1	44.9
Lumber .....	33.2	30.9	30.1	31.2	28.5	23.1	19.4	23.5	28.1
Millwork .....	44.1	44.1	44.0	44.2	41.7	35.0	34.3	36.1	37.6
Paint and paint materials .....	59.7	57.5	55.6	56.6	54.0	47.4	42.4	43.8	47.4
Prepared paint .....	68.1	68.0	67.0	66.3	66.4	61.0	55.9	54.4	58.5
Paint materials .....	53.0	49.4	46.9	49.2	44.7	37.3	32.4	35.8	39.3
Plumbing equipment .....	103.2	92.4	93.9	88.8	84.2	79.4	64.6	63.3	66.2
Flat glass .....	96.8	84.0	87.6	91.9	90.6	72.5	73.2	75.3	66.1
Concrete ingredients .....	67.8	66.0	74.3	74.7	75.2	68.7	65.1	71.1	75.1
Concrete products .....	95.1	95.1	95.1	93.5	94.9	90.4	82.6	83.9	83.9
Structural clay products .....	68.1	64.9	62.7	61.0	57.8	53.9	49.7	51.8	60.7
Gypsum products .....	64.3	63.5	47.6	46.7	63.9	70.6	71.2	71.2	77.6
Prepared asphalt roofing .....	92.7	88.4	78.3	69.1	70.7	73.3	67.1	68.9	74.1
	1935	1936	1937	1938	1939	1940	1941	1942	1943
All building materials .....	44.4	45.1	49.6	47.0	47.1	49.4	53.7	57.4	58.0
Lumber .....	27.2	28.9	33.1	29.0	31.0	34.2	40.7	44.2	47.0
Millwork .....	37.1	39.9	47.7	43.0	42.1	46.1	52.6	57.5	57.9
Paint and paint materials .....	47.6	47.8	49.8	48.6	49.4	51.1	54.6	59.8	61.1
Prepared paint .....	58.5	58.5	58.3	63.3	63.3	64.3	65.4	67.6	67.6
Paint materials .....	39.6	40.0	43.8	37.2	38.9	41.2	46.7	54.7	57.0
Plumbing equipment .....	58.0	66.5	67.4	66.7	66.7	70.7	72.2	79.9	77.9
Flat glass .....	60.6	64.2	67.7	64.8	66.8	67.2	68.6	68.7	68.6
Concrete ingredients .....	75.5	75.8	75.6	76.0	75.9	75.4	76.2	78.5	78.5
Concrete products .....	76.5	81.4	82.0	75.0	74.8	66.7	75.9	79.9	79.9
Structural clay products .....	58.8	57.9	60.8	60.4	61.5	61.4	65.2	69.9	66.6
Gypsum products .....	77.8	77.8	76.5	76.2	75.0	74.6	74.7	77.4	77.7
Prepared asphalt roofing .....	77.6	76.6	83.7	67.5	69.9	76.3	78.8	76.7	76.6
	1944	1945	1946	1947	1948	1949	1950	1951	1952
All building materials .....	60.1	61.3	69.1	94.0	104.0	102.0	109.5	119.6	118.2
Lumber .....	50.9	51.5	59.3	94.5	107.3	98.2	114.5	123.6	120.5
Millwork .....	59.8	60.2	67.6	87.3	105.1	107.6	114.6	130.1	127.0
Paint and paint materials .....	62.8	63.8	70.7	99.1	101.0	99.9	96.8	108.9	107.3
Prepared paint .....	67.6	67.6	70.9	98.5	100.3	101.2	99.3	109.0	110.4
Paint materials .....	60.2	62.2	72.4	100.6	102.7	96.7	90.9	108.8	100.3
Plumbing equipment .....	74.8	74.2	79.6	94.7	102.7	102.7	108.2	122.5	117.4
Flat glass .....	68.6	68.7	76.0	95.0	100.1	105.0	107.4	114.0	114.3
Concrete ingredients .....	79.6	81.6	85.2	93.0	101.8	105.2	106.8	113.0	113.0
Concrete products .....	79.9	79.9	84.8	96.1	100.8	103.1	105.5	112.3	112.5
Structural clay products .....	67.3	75.1	83.8	93.3	101.4	105.3	112.6	121.4	122.0
Gypsum products .....	77.4	79.6	88.1	94.5	103.2	102.3	104.6	117.4	117.7
Prepared asphalt roofing .....	77.5	78.9	82.9	94.1	103.1	102.8	101.3	104.8	102.9

<sup>1</sup> See table 37, footnote 1.

# BUILDING MATERIALS PRICES

Table 39.--Indexes of Wholesale Prices of Building Materials, by Type of Material, Monthly 1952, and Annual Averages 1951-52<sup>1</sup>  
(1947-49 = 100)

Type of material	1952						
	Jan.	Feb.	Mar.	Apr.	May	June	July
All building materials .....	117.8	117.9	118.0	118.2	118.1	117.8	118.0
Lumber and wood products:							
Lumber .....	120.4	120.6	120.7	121.3	121.1	120.1	120.4
Douglas fir .....	125.7	128.0	127.7	130.5	130.3	128.1	128.5
Southern pine .....	116.5	116.3	116.1	116.0	116.0	115.6	116.0
Other softwoods .....	126.3	126.6	127.1	127.6	127.1	127.5	128.0
Hardwood .....	115.1	114.3	114.5	114.1	113.8	112.3	112.2
Millwork .....	127.0	126.3	126.8	126.4	126.4	126.4	126.8
Plywood .....	104.2	104.8	105.6	105.6	105.6	105.7	105.8
Softwood plywood .....	106.3	110.1	111.9	111.9	111.9	112.3	112.5
Hardwood plywood .....	102.7	101.1	101.1	101.1	101.1	101.1	101.1
Chemical and allied products:							
Paint and paint materials .....	109.3	108.7	107.9	108.0	107.3	107.0	106.9
Prepared paint .....	109.4	109.7	109.8	110.6	110.6	110.6	110.6
Paint materials .....	108.9	106.5	103.4	101.9	99.7	98.6	98.4
Metal and metal products:							
Structural steel shapes .....	128.4	128.4	128.4	128.4	128.4	128.4	128.4
Hardware (finish) .....	127.7	128.2	131.0	131.3	131.3	122.3	122.3
Plumbing equipment .....	116.6	116.7	116.7	116.3	116.0	118.0	118.1
Enameled iron fixtures .....	122.2	121.9	121.9	121.9	121.9	122.9	122.6
Vitreous china fixtures .....	120.5	120.5	120.5	120.5	120.5	123.0	123.0
Brass fittings .....	111.4	111.4	111.4	110.4	109.9	112.6	113.1
Heating equipment .....	114.0	114.0	114.0	113.9	113.7	113.5	113.6
Metal doors, sash, trim .....	117.7	117.7	117.7	117.7	117.7	117.7	117.7
Nonmetallic mineral items:							
Flat glass .....	114.0	114.0	114.0	114.4	114.4	114.4	114.4
Concrete ingredients .....	113.2	113.2	113.2	112.9	112.9	112.9	112.9
Portland cement .....	116.4	116.4	116.4	116.4	116.4	116.4	116.4
Concrete products .....	112.4	112.4	112.4	112.4	112.4	112.4	112.4
Structural clay products .....	121.4	121.4	121.4	121.3	121.4	121.4	121.3
Gypsum products .....	117.7	117.7	117.7	117.7	117.7	117.7	117.7
Insulation materials .....	104.6	104.6	104.6	105.1	105.1	105.1	105.1
Prepared asphalt roofing .....	98.6	98.6	98.6	98.6	98.6	106.0	106.0
Other items:							
Building board .....	113.4	113.4	113.4	113.8	115.8	115.8	115.8

<sup>1</sup> See table 37, footnote 1.

**BUILDING MATERIALS PRICES**

Table 39.--Indexes of Wholesale Prices of Building Materials, by Type of Material, Monthly 1952, and Annual Averages 1951-52<sup>1</sup> --Continued  
(1947-49 = 100)

Type of material	1952					Average for--		Percent change, 1951-52
	Aug.	Sept.	Oct.	Nov.	Dec.	1951	1952	
All building materials .....	118.6	118.7	118.6	118.4	118.3	119.6	118.2	- 1.2
Lumber and wood products:								
Lumber .....	120.6	120.6	120.2	120.0	119.8	123.6	120.5	- 2.5
Douglas fir .....	128.3	127.4	125.8	124.9	122.9	128.6	127.3	- 1.0
Southern pine .....	117.0	117.8	118.0	118.3	118.4	115.7	116.9	+ 1.0
Other softwoods .....	129.7	129.9	129.3	129.2	129.9	130.0	128.2	- 1.4
Hardwood .....	110.9	110.5	110.8	110.5	111.1	122.4	112.5	- 8.1
Millwork .....	127.2	127.2	127.7	127.5	128.3	130.1	127.0	- 2.4
Plywood .....	106.0	106.0	106.1	102.3	102.3	115.1	105.0	- 8.8
Softwood plywood .....	112.9	112.9	113.1	103.9	103.9	121.1	110.3	- 8.9
Hardwood plywood .....	101.1	101.1	101.1	101.1	101.1	110.8	101.3	- 8.6
Chemical and allied products:								
Paint and paint materials .....	106.9	107.0	106.5	106.3	106.1	108.9	107.3	- 1.5
Prepared paint .....	110.6	110.6	110.6	110.5	110.5	109.0	110.4	+ 1.3
Paint materials .....	98.1	98.7	96.8	96.5	95.8	108.8	100.3	- 7.8
Metal and metal products:								
Structural steel shapes .....	134.9	134.9	134.9	134.9	134.9	128.4	131.1	+ 2.1
Hardware (finish) .....	122.3	122.3	122.3	122.3	122.3	127.7	125.5	- 1.7
Plumbing equipment .....	118.1	118.1	118.1	118.1	118.1	122.5	117.4	- 4.2
Enameled iron fixtures .....	122.6	122.6	122.6	122.6	122.6	130.0	122.4	- 5.8
Vitreous china fixtures .....	123.0	123.0	123.0	123.0	123.0	128.3	122.0	- 4.9
Brass fittings .....	113.1	113.1	113.1	113.1	113.1	114.8	112.2	- 2.3
Heating equipment .....	113.7	113.7	113.7	113.6	113.6	114.6	113.8	- .7
Metal doors, sash, trim .....	117.7	117.7	117.7	117.7	117.7	121.0	117.7	- 2.7
Nonmetallic mineral items:								
Flat glass .....	114.4	114.4	114.4	114.4	114.4	114.0	114.3	+ .3
Concrete ingredients .....	112.9	112.9	113.0	112.9	113.1	113.0	113.0	0
Portland cement .....	116.4	116.4	116.4	116.4	116.4	116.4	116.4	0
Concrete products .....	112.4	112.7	112.7	112.7	112.7	112.3	112.5	+ .2
Structural clay products .....	121.3	121.3	124.0	124.0	124.0	121.4	122.0	+ .5
Gypsum products .....	117.7	117.7	117.7	117.7	117.7	117.4	117.7	+ .3
Insulation materials .....	105.1	105.3	106.8	106.9	107.3	104.1	105.4	+ 1.2
Prepared asphalt roofing .....	106.0	106.0	106.0	106.0	106.0	104.8	102.9	- 1.8
Other items:								
Building board .....	115.8	115.8	115.8	118.2	118.2	113.4	115.5	+ 1.9

<sup>1</sup> See table 37, footnote 1.

# BUILDING MATERIALS PRICES

Table 40.--Wholesale Prices of Selected Building Materials, 1951-52

Type of material	Unit	1952	1951	Percent change, 1951-52
<b>Lumber:</b>				
<b>Douglas fir:</b>				
Dimension, No. 1, green, 2"x4", R.L., f.o.b. mill .....	M bd. ft.	<sup>1</sup> \$73.365	<sup>1</sup> \$73.347	(1)
Boards, No. 1, green, 1"x8", R.L., f.o.b. mill .....	M bd. ft.	<sup>1</sup> 69.563	<sup>1</sup> 71.270	- 2.4
Timbers, No. 1, 8"x8" to 12"x12", R.L., green, f.o.b. mill ..	M bd. ft.	<sup>1</sup> 76.021	<sup>1</sup> 77.641	(1)
<b>Southern pine:</b>				
Dimension, No. 2 and better, 2"x4"x16', dry, S.L., f.o.b. mill .....	M bd. ft.	<sup>1</sup> 82.650	<sup>1</sup> 80.967	(1)
Boards, No. 2 and better, 1"x6", dry, f.o.b. mill .....	M bd. ft.	80.446	79.840	+ .8
Ponderosa pine boards, No. 3, 1"x8", R.L., f.o.b. mill .....	M bd. ft.	<sup>1</sup> 81.822	<sup>1</sup> 82.781	(1)
Oak, red, flooring, select, 2½" face, f.o.b. mill .....	M bd. ft.	166.060	191.645	- 13.4
Maple flooring, 2D grade, 25/32"x2¼" face, f.o.b. mill .....	M bd. ft.	191.550	200.198	- 4.3
Poplar, plain, No. 2B common, ¼/4", R.W., f.o.b. mill .....	M bd. ft.	55.167	58.646	- 5.9
Beech, No. 2 common, ¼/4", R.W. & L., f.o.b. mill .....	M bd. ft.	55.583	62.000	- 10.4
<b>Millwork:</b>				
Door, Douglas fir interior, 2 plywood panels, 2'6"x6'8"x1-3/8", f.o.b. ....	Ea.	5.362	5.601	- 4.3
Frame door, Ponderosa pine exterior, 1-5/16"x2" casing with sill, f.o.b. factory .....	Ea.	<sup>1</sup> 8.657	<sup>1</sup> 9.045	(1)
Window, Ponderosa pine, 2 light check rail, open, f.o.b. factory .....	Ea.	<sup>1</sup> 1.569	<sup>1</sup> 1.592	(1)
<b>Flywood:</b>				
Douglas fir, interior, A-D, 1/4"x48"x96", f.o.b. mill .....	M sq. ft.	81.734	89.708	- 8.9
Douglas fir, interior, C-D, 5/16"x48"x96", f.o.b. mill .....	M sq. ft.	63.777	72.742	- 12.3
<b>Board:</b>				
Insulation, fiber, 1/2"x48"x96", interior f.o.b. plant, freight allowed .....	M sq. ft.	<sup>1</sup> 47.861	<sup>1</sup> 46.922	(1)
<b>Prepared paint:</b>				
Emulsion, water-thinned, inside, delivered .....	Gal.	2.349	2.331	+ .8
Varnish, floor, first grade, delivered .....	Gal.	3.634	3.578	+ 1.6
Enamel, white, gloss, first grade, delivered .....	Gal.	4.436	4.379	+ 1.3
Inside, flat, white, first grade, delivered .....	Gal.	2.779	2.751	+ 1.0
Outside, white, first grade, delivered .....	Gal.	4.150	4.097	+ 1.3
Porch and deck, delivered .....	Gal.	3.621	3.581	+ 1.7
Roof and barn, delivered .....	Gal.	2.417	2.361	+ 2.4
<b>Paint materials:</b>				
Oil, linseed, raw, tanks, f.o.b. Minneapolis .....	Lb.	<sup>1</sup> 1.165	<sup>1</sup> 1.209	(1)
Turpentine, gum, bulk, f.o.b. New York .....	Gal.	<sup>1</sup> 1.643	<sup>1</sup> 1.814	(1)
<b>Metal products:</b>				
Structural shapes, standard, carbon steel, I-beam, 12" depth, 60' length, f.o.b. producing points, Pittsburgh area .....	100 lbs.	4.083	4.000	+ 2.1
Bars, concrete reinforcing, billet steel, straight lengths, 1" square or round, f.o.b. producing points, Pittsburgh area.	100 lbs.	3.904	3.800	+ 2.7
Sheets, galvanized, 24-gauge, 36"x96", f.o.b. producing points, Pittsburgh area .....	100 lbs.	7.028	7.035	- .1
Pipe, black steel, 3/4", butt weld, f.o.b. mill .....	100 ft.	6.867	6.708	+ 2.4
Pipe, galvanized, 3/4", butt weld, f.o.b. mill .....	100 ft.	9.076	9.060	+ .2
Nails, wire, 8-penny, common, f.o.b. mill .....	100lb.keg	7.123	6.930	+ 2.8
Soil pipe, cast iron, 2" to 6", f.o.b. foundry, index number (1947-49 = 100) .....	Ton	(111.7)	(119.9)	- 6.8
Aluminum sheets, 30,000 lbs. or over, f.o.b. shipping point, freight allowed, index number (1947-49 = 100) .....	Lb.	(120.6)	(118.1)	+ 2.2
Copper water tubing, 2000 ft. or more, f.o.b. mill, freight allowed, index number (1947-49 = 100) .....	Ft.	(129.3)	(121.8)	+ 6.2
Wire, building, type R, lots over \$500 list value, f.o.b. destination .....	M ft.	\$14.568	\$13.812	+ 5.5
Door lock set, steel, dull brass plated finish, f.o.b. plant, index number (1947-49 = 100) .....	Doz.	(118.6)	(126.6)	- 6.3
Butt, 3-1/2"x3-1/2", f.o.b. factory, index number (1947-49 = 100) .....	Doz. pr.	(143.2)	(129.9)	+ 2.4
Screening, insect, bronze wire, 18x14 mesh, 30" wide, f.o.b. factory, freight equalized .....	100ft.roll	\$23.418	\$23.110	+ 1.3

See footnotes on page 55.



Table 40.--Wholesale Prices of Selected Building Materials, 1951-52--Continued

Type of material	Unit	1952	1951	Percent change, 1951-52
<b>Plumbing equipment:</b>				
Bath tub, enameled iron, 5', recessed, f.o.b. factory, freight allowed .....	Ea.	\$51.804	\$55.286	- 6.3
Lavatory, enameled iron, 20"x18", f.o.b. plant, freight allowed .....	Ea.	12.003	12.674	- 5.3
Water closet, vitreous china, close coupled, reverse trap, f.o.b. plant, freight allowed .....	Ea.	23.543	24.721	- 4.8
<b>Heating equipment:</b>				
Boiler, heating, cast iron, oil fired, less burner, average steam radiation 415 sq. ft., f.o.b. factory, freight allowed .....	Ea.	203.330	201.195	+ 1.1
Convactor, nonferrous, free standing, average of 43 sq. ft. steam rating capacity EDR, f.o.b. factory, freight allowed .	Sq. ft.	.453	.461	- 1.7
<b>Furnace, warm air:</b>				
Cast iron, coal fired, gravity, 22" firepot, average rating at register 73,000 B.t.u. per hour, f.o.b. factory, freight allowed .....	Ea.	119.978	123.950	- 3.2
Steel, oil fired, forced air, gun-type burner, average bonnet output 105,000 B.t.u. per hour, f.o.b. factory, freight allowed .....	Ea.	286.590	291.190	- 1.6
Steel, gas fired, standard automatic controls, average input rating 100,000 B.t.u. per hour, f.o.b. factory, freight allowed .....	Ea.	176.827	182.283	- 3.0
Furnace, floor, gas fired, floor grill, average input rating 50,000 B.t.u. per hour, f.o.b. factory .....	Ea.	58.121	58.837	- 1.2
Oil burner, mechanical forced draft, gun-type, 2½ gal. per hour, thermostat, limit and stack controls, f.o.b. factory .	Ea.	<sup>1</sup> 106.960	<sup>1</sup> 101.168	(1)
Water heater, gas, automatic, 30-gal. storage tank, galvanized steel, one-year quarantee, f.o.b. factory, freight allowed .....	Ea.	44.893	46.084	- 2.6
<b>Nonmetallic mineral products:</b>				
Glass, plate, polished, ¼", glazing quality, 25-50 sq. ft. bracket, f.o.b. plant, freight equalized, index number (1947-49 = 100) .....	Sq. ft.	<sup>1</sup> (120.0)	<sup>1</sup> (121.2)	- .9
Glass, window, single B, 40" bracket, f.o.b. plant, freight equalized, index number (1947-49 = 100) .....	50sq. ft.	(118.0)	(118.0)	0
Sand, construction, f.o.b. plant .....	Ton	<sup>1</sup> \$1.605	<sup>1</sup> \$.997	(1)
Gravel (for concrete), 1½" maximum, f.o.b. plant .....	Ton	<sup>1</sup> 1.310	<sup>1</sup> 1.259	(1)
Crushed stone (for concrete), 1½" maximum, f.o.b. plant .....	Ton	1.451	1.456	- .3
Block, concrete, lightweight aggregate 8"x8"x16", f.o.b. plant .....	Ea.	<sup>1</sup> 1.820	<sup>1</sup> .181	(1)
Pipe, concrete, culvert, reinforced, 24" diameter, ASTM specification C76-41 table 1, 3" wall thickness, 4' lengths, delivered .....	Ft.	3.502	3.489	+ .4
Brick, building, f.o.b. plant .....	M	<sup>1</sup> 27.354	<sup>1</sup> 27.383	(1)
Brick, face, red, select, first quality, textured, f.o.b. plant .....	M	<sup>1</sup> 34.760	<sup>1</sup> 34.913	(1)
Tile, clay, partition, scored, 4"x12"x12", 3-cell, f.o.b. plant .....	M	<sup>1</sup> 117.442	<sup>1</sup> 117.586	(1)
Sewer pipe, vitrified clay, 8" diameter, 3' lengths, standard strength, f.o.b. plant .....	Ft.	<sup>1</sup> .436	<sup>1</sup> .438	(1)
Lath, gypsum, 3/8"x16"x48", f.o.b. plant, freight equalized ..	M sq. ft.	23.278	23.065	+ .9
Wallboard, gypsum, 3/8"x48", varying lengths, f.o.b. plant, freight equalized .....	M sq. ft.	<sup>1</sup> 30.870	<sup>1</sup> 30.870	(1)
Plaster, gypsum, base coat, f.o.b. plant, freight equalized ..	Ton	14.210	14.210	0
Shingles, asphalt, strip, 210 lbs., f.o.b. factory, freight equalized .....	Sq.	4.900	4.988	- 1.8
Lime, hydrated, finishing, f.o.b. plant .....	Ton	17.283	16.403	+ 5.4
Insulation, mineral wool, batts, 3" nominal thickness, vapor barrier, index number (1947-49 = 100) .....	M sq. ft.	(105.1)	(104.1)	+ .6
Roofing, asbestos cement shingles, f.o.b. plant, freight equalized, index number (1947-49 = 100) .....	Sq.	<sup>1</sup> (105.9)	<sup>1</sup> (105.9)	(1)

<sup>1</sup> Because of changes in the reporters included in the sample or changes in models, data for 1951 and 1952 are not comparable; they may be used roughly as an indicator of trend.  
 Note: Index numbers (1947-49 = 100) have been substituted (and shown in parentheses) for prices where necessary to avoid disclosing information for individual firms.

# HOURS AND EARNINGS

Table 41.--Hours and Gross Earnings of Workers in Contract Building Construction, Annually and Monthly, and Annual Indexes of Average Hourly Earnings, 1934-52<sup>1</sup>

Month	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943
Average weekly earnings <sup>2</sup>										
Annual average ..	\$22.97	\$24.51	\$27.01	\$30.14	\$29.19	\$30.39	\$31.70	\$35.14	\$41.80	\$48.13
January .....	21.63	22.89	24.58	27.82	28.26	28.18	29.90	32.18	37.27	46.03
February .....	21.10	22.99	23.30	27.86	28.48	27.31	29.13	32.73	37.17	45.04
March .....	21.95	23.00	24.60	27.88	28.39	28.98	30.05	32.66	38.29	46.49
April .....	22.43	23.32	25.34	29.50	28.54	29.97	30.44	34.01	39.10	47.00
May .....	22.92	24.33	26.95	31.10	29.17	31.52	32.11	34.87	41.75	47.46
June .....	23.04	24.77	27.19	30.95	29.47	30.96	32.02	35.15	42.28	48.65
July .....	23.44	24.84	27.00	31.00	29.58	30.94	31.84	35.38	43.42	47.97
August .....	23.12	25.16	27.75	32.02	29.75	30.94	32.54	35.76	43.79	48.93
September .....	23.30	25.81	27.63	31.39	29.68	31.11	32.98	37.10	45.40	49.59
October .....	23.86	25.93	28.34	31.27	30.13	31.09	33.92	36.50	45.36	50.54
November .....	23.66	24.61	28.90	30.46	28.96	30.94	30.49	35.93	45.90	50.59
December .....	23.28	25.12	28.56	28.60	28.98	30.95	32.69	37.73	46.46	49.38
Average weekly hours										
Annual average ..	28.9	30.1	32.8	33.4	32.1	32.6	33.1	34.8	36.4	38.4
January .....	27.9	27.3	30.8	31.7	30.5	30.3	30.8	32.6	34.2	37.1
February .....	26.6	27.4	29.1	31.8	30.4	29.1	30.2	32.8	33.9	36.3
March .....	27.8	27.6	30.8	31.6	30.8	30.4	30.9	32.8	35.0	37.4
April .....	29.0	28.4	31.7	33.3	31.4	31.3	31.8	34.4	35.4	38.1
May .....	29.6	29.9	33.4	34.3	32.3	33.5	33.6	35.1	36.7	38.1
June .....	29.9	30.6	33.2	33.9	32.6	33.4	33.8	35.3	37.2	39.5
July .....	29.7	30.8	33.0	34.1	33.0	33.6	33.6	35.4	37.5	39.0
August .....	29.0	31.1	33.7	35.0	32.9	33.5	34.1	35.7	37.3	39.3
September .....	29.0	31.8	33.1	34.4	32.8	33.9	34.8	36.5	37.8	39.4
October .....	29.7	32.3	34.0	34.4	33.8	34.0	35.4	35.7	37.9	39.7
November .....	28.8	30.3	34.0	33.2	31.9	33.4	31.6	34.6	38.0	39.2
December .....	27.9	31.2	33.2	31.1	31.7	32.8	33.8	35.4	37.8	38.1
Average hourly earnings										
Annual average ..	\$0.795	\$0.815	\$0.824	\$0.903	\$0.908	\$0.932	\$0.958	\$1.010	\$1.148	\$1.252
January .....	.775	.838	.799	.878	.925	.931	.971	.986	1.090	1.240
February .....	.792	.839	.801	.876	.938	.939	.963	.997	1.096	1.240
March .....	.790	.832	.798	.883	.922	.952	.971	.996	1.094	1.242
April .....	.774	.820	.800	.885	.909	.959	.958	.989	1.105	1.235
May .....	.775	.814	.807	.906	.903	.942	.955	.993	1.137	1.246
June .....	.772	.808	.820	.912	.904	.928	.948	.997	1.136	1.230
July .....	.790	.805	.818	.910	.895	.920	.947	1.000	1.157	1.231
August .....	.797	.810	.823	.916	.903	.924	.956	1.001	1.174	1.246
September .....	.802	.811	.835	.911	.904	.918	.947	1.017	1.201	1.258
October .....	.802	.803	.834	.908	.892	.916	.957	1.023	1.198	1.273
November .....	.822	.812	.850	.916	.907	.926	.966	1.039	1.209	1.292
December .....	.836	.806	.861	.919	.914	.943	.967	1.066	1.230	1.295
Indexes of average hourly earnings (1947-49=100)										
Annual average ..	43.6	44.7	45.2	49.6	49.9	51.2	52.6	55.5	63.0	68.7

<sup>1</sup> See table 43, footnote 1. <sup>2</sup> See table 43, footnote 2.

# HOURS AND EARNINGS

Table 41.—Hours and Gross Earnings of Workers in Contract Building  
Construction, Annually and Monthly, and Annual Indexes  
of Average Hourly Earnings, 1934-52<sup>1</sup>—Continued

Month	1944	1945	1946	1947	1948	1949	1950	1951	1952	Percent of increase, 1951-52
<b>Average weekly earnings<sup>2</sup></b>										
Annual average ..	\$52.18	\$53.73	\$56.24	\$63.30	\$68.85	\$70.95	\$73.73	\$81.47	\$88.01	8.0
January .....	49.83	52.98	52.89	59.97	65.51	70.88	68.76	77.96	84.75	8.7
February .....	48.77	52.89	53.04	58.92	65.16	70.53	67.00	75.90	86.03	13.3
March .....	49.85	54.49	52.87	61.23	65.87	69.83	68.83	77.33	83.90	8.5
April .....	50.18	54.42	54.29	60.57	66.45	70.33	70.70	79.27	85.73	8.1
May .....	52.95	53.64	53.63	62.26	67.22	71.81	72.93	81.53	85.65	5.1
June .....	52.21	55.50	55.23	62.71	69.53	71.44	73.82	82.56	87.30	5.7
July .....	52.81	55.57	56.25	63.60	70.47	71.28	74.02	83.22	88.17	5.9
August .....	52.90	55.79	56.67	64.71	70.91	71.95	75.99	83.82	88.94	6.1
September .....	53.71	52.94	58.49	65.36	71.29	70.69	75.86	84.96	91.18	7.3
October .....	54.62	53.87	59.20	66.36	70.59	71.80	77.87	85.86	92.11	7.3
November .....	53.50	51.64	57.65	64.55	69.39	70.21	78.07	81.90	88.67	8.3
December .....	53.48	51.79	60.32	67.31	72.33	70.26	77.80	84.83	91.68	8.1
<b>Average weekly hours</b>										
Annual average ..	39.6	39.0	38.1	37.6	37.3	36.7	36.3	37.2	38.1	2.4
January .....	38.5	38.8	37.7	37.6	37.1	37.0	34.8	36.6	37.5	2.5
February .....	37.6	39.1	37.3	36.9	36.4	36.5	33.7	35.3	37.9	7.4
March .....	38.5	40.0	37.5	38.0	36.9	36.1	34.5	35.8	36.8	2.8
April .....	38.7	40.0	38.2	37.1	36.7	36.4	35.6	36.7	37.6	2.5
May .....	40.4	39.3	37.5	37.6	37.0	37.2	36.5	37.4	37.9	1.3
June .....	40.2	40.4	38.2	37.8	37.9	37.1	37.0	37.7	38.8	2.9
July .....	40.6	40.1	38.2	38.0	37.8	37.1	36.9	38.0	38.5	1.3
August .....	40.0	40.3	38.2	38.2	37.8	37.2	37.6	38.1	38.5	1.0
September .....	40.1	38.1	38.7	37.9	37.6	36.5	36.7	38.1	38.8	1.8
October .....	40.7	38.7	38.8	38.1	37.3	36.9	37.4	38.5	38.7	.5
November .....	39.7	37.1	37.2	36.6	36.4	36.1	37.3	36.4	37.1	1.9
December .....	39.4	37.1	38.4	37.9	37.8	35.8	36.7	37.7	38.2	1.3
<b>Average hourly earnings</b>										
Annual average ..	\$1.319	\$1.379	\$1.478	\$1.681	\$1.848	\$1.935	\$2.031	\$ 2.19	\$ 2.31	5.5
January .....	1.295	1.364	1.402	1.594	1.766	1.918	1.976	2.13	2.26	6.1
February .....	1.297	1.352	1.422	1.598	1.791	1.930	1.988	2.15	2.27	5.6
March .....	1.296	1.363	1.411	1.610	1.786	1.933	1.995	2.16	2.28	5.6
April .....	1.297	1.361	1.423	1.632	1.804	1.934	1.986	2.16	2.28	5.6
May .....	1.310	1.366	1.431	1.655	1.815	1.930	1.998	2.18	2.26	3.7
June .....	1.300	1.374	1.444	1.661	1.836	1.924	1.995	2.19	2.25	2.7
July .....	1.302	1.387	1.473	1.676	1.862	1.922	2.006	2.19	2.29	4.6
August .....	1.323	1.383	1.482	1.694	1.874	1.932	2.021	2.20	2.31	5.0
September .....	1.339	1.388	1.510	1.723	1.895	1.938	2.067	2.23	2.35	5.4
October .....	1.343	1.392	1.526	1.743	1.892	1.944	2.082	2.23	2.38	6.7
November .....	1.349	1.391	1.549	1.765	1.906	1.947	2.093	2.25	2.39	6.2
December .....	1.359	1.395	1.569	1.774	1.915	1.964	2.120	2.25	2.40	6.7
<b>Indexes of average hourly earnings (1947-49=100)</b>										
Annual average ..	72.4	75.7	81.1	92.3	101.5	106.2	111.5	120.2	126.8	5.5

<sup>1</sup> See table 43, footnote 1. <sup>2</sup> See table 43, footnote 2.

# HOURS AND EARNINGS

Table 42.--Hours and Gross Earnings of Workers in Contract Construction,  
by Type of Contractor, Monthly, 1951-52<sup>1</sup>

Type of contractor	1952											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	Average weekly earnings <sup>2</sup>											
All contractors .....	\$84.52	\$85.41	\$83.10	\$85.12	\$85.31	\$87.30	\$87.81	\$89.21	\$91.94	\$92.66	\$88.13	\$90.86
Building construction ..	84.75	86.03	83.90	85.73	85.65	87.30	88.17	88.94	91.18	92.11	88.67	91.68
General contractors ...	78.58	79.59	76.44	80.60	79.66	82.16	83.89	84.67	86.19	87.64	85.12	88.37
Special trade contrac- tors .....	90.00	91.34	90.02	89.41	90.24	91.68	91.34	92.86	95.59	96.13	91.36	94.50
Plumbing and heating .	95.92	94.32	93.65	91.92	91.48	92.25	93.90	95.55	97.07	97.61	93.38	98.50
Painting and decorating	78.20	79.57	78.54	78.66	81.43	83.06	83.41	84.61	87.00	88.82	82.76	84.46
Electrical work .....	106.78	108.77	108.27	106.53	108.67	109.75	109.62	111.24	113.16	114.80	110.64	114.11
Other special trades <sup>3</sup>	85.07	87.69	85.92	86.51	87.42	88.92	87.28	88.91	92.54	92.12	87.93	89.41
Masonry .....	75.57	75.70	72.00	74.81	80.85	84.04	82.44	83.54	88.30	88.82	82.90	82.50
Plastering and lathing	83.06	87.81	85.14	86.58	89.18	90.97	91.53	94.39	94.94	93.41	91.04	92.50
Carpentry .....	71.75	73.54	72.86	71.81	72.67	76.63	75.76	76.54	81.70	80.22	77.63	79.52
Roofing and sheetmetal	70.18	72.18	68.60	72.86	74.73	78.00	77.23	78.44	82.46	82.13	78.68	81.03
Excavation and founda- tion .....	78.07	83.32	80.56	81.78	83.42	88.40	86.24	86.90	93.29	93.04	85.03	86.80
Nonbuilding construction	81.58	82.81	79.31	82.39	84.46	86.93	86.53	90.31	94.18	94.39	85.02	87.02
Highway and street ....	71.92	73.26	67.88	73.84	78.73	80.89	81.89	84.00	89.30	88.40	78.41	78.59
Other .....	86.76	87.89	85.80	87.96	88.91	91.32	90.17	94.85	97.94	98.75	89.71	92.40
	Average weekly hours											
All contractors .....	37.9	38.3	37.1	38.0	38.6	39.5	39.2	39.3	39.8	39.6	37.5	38.5
Building construction ..	37.5	37.9	36.8	37.6	37.9	38.8	38.5	38.5	38.8	38.7	37.1	38.2
General contractors ...	37.6	37.9	36.4	38.2	38.3	39.5	39.2	39.2	39.0	39.3	38.0	39.1
Special trade contrac- tors .....	37.5	37.9	37.2	37.1	37.6	38.2	37.9	37.9	38.7	38.3	36.4	37.5
Plumbing and heating .	39.8	39.3	38.7	38.3	38.6	38.6	38.8	39.0	39.3	39.2	37.5	39.4
Painting and decorating	34.3	34.9	34.6	34.5	35.1	35.8	35.8	35.7	36.1	36.4	34.2	34.9
Electrical work .....	40.6	41.2	40.4	39.9	40.1	40.8	40.6	41.2	41.3	41.0	39.8	40.9
Other special trades <sup>3</sup>	36.2	37.0	36.1	36.5	37.2	38.0	37.3	37.2	38.4	37.6	35.6	36.2
Masonry .....	33.0	33.2	32.0	33.1	35.0	36.7	36.0	35.4	37.1	36.4	33.7	33.0
Plastering and lathing	32.7	34.3	33.0	33.3	34.3	34.2	33.9	34.2	34.4	33.6	32.4	32.8
Carpentry .....	35.0	35.7	35.2	35.2	35.8	37.2	36.6	35.6	36.8	36.3	34.5	35.5
Roofing and sheetmetal	34.4	34.7	33.3	35.2	36.1	37.5	36.6	37.0	38.0	37.5	35.6	36.5
Excavation and founda- tion .....	37.9	39.3	38.0	39.7	40.3	41.5	40.3	40.8	42.6	42.1	38.3	39.1
Nonbuilding construction	39.6	40.2	38.5	39.8	41.2	42.2	41.8	42.4	43.6	43.1	39.0	40.1
Highway and street ....	39.3	39.6	37.5	39.7	42.1	42.8	43.1	43.3	45.1	44.2	39.6	40.3
Other .....	39.8	40.5	39.0	39.8	40.6	41.7	40.8	41.6	42.4	42.2	38.5	40.0
	Average hourly earnings											
All contractors .....	\$2.23	\$2.23	\$2.24	\$2.24	\$2.21	\$2.21	\$2.24	\$2.27	\$2.31	\$2.34	\$2.35	\$2.36
Building construction ..	2.26	2.27	2.28	2.28	2.26	2.25	2.29	2.31	2.35	2.38	2.39	2.40
General contractors ...	2.09	2.10	2.10	2.11	2.08	2.08	2.14	2.16	2.21	2.23	2.24	2.26
Special trade contrac- tors .....	2.40	2.41	2.42	2.41	2.40	2.40	2.41	2.45	2.47	2.51	2.51	2.52
Plumbing and heating .	2.41	2.40	2.42	2.40	2.37	2.39	2.42	2.45	2.47	2.49	2.49	2.50
Painting and decorating	2.28	2.28	2.27	2.28	2.32	2.32	2.33	2.37	2.41	2.44	2.42	2.42
Electrical work .....	2.63	2.64	2.68	2.67	2.71	2.69	2.70	2.70	2.74	2.80	2.78	2.79
Other special trades <sup>3</sup>	2.35	2.37	2.38	2.37	2.35	2.34	2.34	2.39	2.41	2.45	2.47	2.47
Masonry .....	2.29	2.28	2.25	2.26	2.31	2.29	2.29	2.36	2.38	2.44	2.46	2.50
Plastering and lathing	2.54	2.56	2.58	2.60	2.60	2.66	2.70	2.76	2.76	2.78	2.81	2.82
Carpentry .....	2.05	2.06	2.07	2.04	2.03	2.06	2.07	2.15	2.22	2.21	2.25	2.24
Roofing and sheetmetal	2.04	2.08	2.06	2.07	2.07	2.08	2.11	2.12	2.17	2.19	2.21	2.22
Excavation and founda- tion .....	2.06	2.12	2.12	2.06	2.07	2.13	2.14	2.13	2.19	2.21	2.22	2.22
Nonbuilding construction	2.06	2.06	2.06	2.07	2.05	2.06	2.07	2.13	2.16	2.19	2.18	2.17
Highway and street ....	1.83	1.85	1.81	1.86	1.87	1.89	1.90	1.94	1.98	2.00	1.98	1.95
Other .....	2.18	2.17	2.20	2.21	2.19	2.19	2.21	2.28	2.31	2.34	2.33	2.31

<sup>1</sup> See table 43, footnote 1. <sup>2</sup> See table 43, footnote 2. <sup>3</sup> Includes types not shown separately.

# HOURS AND EARNINGS

Table 42.--Hours and Gross Earnings of Workers in Contract Construction,  
by Type of Contractor, Monthly, 1951-52<sup>1</sup>--Continued

Type of contractor	1951											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	Average weekly earnings <sup>2</sup>											
All contractors .....	\$77.54	\$75.33	\$76.74	\$79.29	\$81.58	\$82.18	\$83.46	\$84.07	\$85.19	\$86.07	\$81.33	\$83.76
Building construction ..	77.96	75.90	77.33	79.27	81.53	82.56	83.22	83.82	84.96	85.86	81.90	84.83
General contractors ...	72.56	68.68	70.04	73.08	75.28	75.28	76.47	76.88	77.79	79.66	76.02	78.17
Special trade contrac- tors .....	82.36	81.31	83.17	84.67	86.79	88.47	89.17	89.78	91.18	91.10	86.51	89.82
Plumbing and heating ..	86.52	86.11	89.08	89.24	91.80	92.04	92.27	92.59	94.09	94.56	91.30	96.08
Painting and decorating	74.27	75.40	74.98	77.25	79.42	79.64	79.35	80.36	80.42	82.13	78.20	80.38
Electrical work .....	98.85	97.50	98.89	98.60	101.96	103.79	103.38	104.30	106.60	105.15	100.49	106.49
Other special trades <sup>3</sup>	77.90	76.21	78.10	80.81	82.29	85.35	86.94	87.78	89.17	88.39	82.95	84.55
Masonry .....	75.12	66.19	73.15	77.57	78.90	77.40	84.15	83.48	83.93	83.54	75.03	76.94
Plastering and lathing	88.06	90.74	89.44	92.72	93.24	92.20	91.24	91.29	90.57	87.98	82.98	85.68
Carpentry .....	71.68	64.94	64.48	70.88	72.27	73.63	76.91	77.58	80.18	77.83	71.11	73.15
Roofing and sheetmetal	66.72	64.75	65.28	69.09	71.22	71.00	73.71	73.70	75.42	76.56	70.58	72.07
Excavation and founda- tion .....	81.45	81.47	77.96	78.07	82.19	80.96	83.03	85.70	84.65	85.27	77.49	81.90
Nonbuilding construction	74.86	72.38	74.31	78.59	81.51	81.77	84.94	85.40	84.64	86.90	79.34	78.97
Highway and street ....	66.29	66.02	67.44	71.51	75.90	75.18	79.35	79.86	78.73	81.97	71.81	70.67
Other .....	80.00	75.80	78.17	82.81	85.08	86.10	89.04	89.46	89.24	90.50	84.80	84.71
	Average weekly hours											
All contractors .....	37.1	35.7	36.2	37.4	38.3	38.4	39.0	39.1	38.9	39.3	36.8	37.9
Building construction ..	36.6	35.3	35.8	36.7	37.4	37.7	38.0	38.1	38.1	38.5	36.4	37.7
General contractors ...	36.1	34.0	34.5	36.0	36.9	36.9	37.3	37.5	37.4	38.3	36.2	37.4
Special trade contrac- tors .....	37.1	36.3	36.8	37.3	37.9	38.3	38.6	38.7	38.8	38.6	36.5	37.9
Plumbing and heating ..	38.8	38.1	38.9	38.8	39.4	39.5	39.6	39.4	39.7	39.9	38.2	40.2
Painting and decorating	35.2	35.4	35.2	36.1	36.6	36.7	36.4	36.2	35.9	36.5	34.3	35.1
Electrical work .....	39.7	39.0	39.4	39.6	40.3	40.7	40.7	40.9	41.0	40.6	38.8	40.8
Other special trades <sup>3</sup>	35.9	34.8	35.5	36.4	36.9	37.6	38.3	38.5	38.6	38.1	35.6	36.6
Masonry .....	34.3	30.5	33.4	35.1	35.7	34.4	37.4	37.1	37.3	36.8	33.2	33.6
Plastering and lathing	34.4	34.9	34.4	35.8	36.0	35.6	35.5	35.8	35.8	34.5	32.8	33.6
Carpentry .....	36.2	32.8	32.9	35.8	36.5	37.0	37.7	37.3	38.0	36.2	33.7	35.0
Roofing and sheetmetal	35.3	33.9	34.0	35.8	36.9	36.6	37.8	37.6	37.9	37.9	34.6	35.5
Excavation and founda- tion .....	38.6	37.2	36.6	37.9	39.9	39.3	40.7	41.2	40.5	40.8	36.9	39.0
Nonbuilding construction	39.4	37.7	38.5	40.3	41.8	41.3	42.9	42.7	41.9	42.6	38.7	38.9
Highway and street ....	38.1	37.3	38.1	40.4	42.4	41.7	43.6	43.4	42.1	43.6	38.4	38.2
Other .....	40.2	37.9	38.7	40.2	41.3	41.0	42.4	42.2	41.7	41.9	38.9	39.4
	Average hourly earnings											
All contractors .....	\$2.09	\$2.11	\$2.12	\$2.12	\$2.13	\$2.14	\$2.14	\$2.15	\$2.19	\$2.19	\$2.21	\$2.21
Building construction ..	2.13	2.15	2.16	2.16	2.18	2.19	2.19	2.20	2.23	2.23	2.25	2.25
General contractors ...	2.01	2.02	2.03	2.03	2.04	2.04	2.05	2.05	2.08	2.08	2.10	2.09
Special trade contrac- tors .....	2.22	2.24	2.26	2.27	2.29	2.31	2.31	2.32	2.35	2.36	2.37	2.37
Plumbing and heating ..	2.23	2.26	2.29	2.30	2.33	2.33	2.33	2.35	2.37	2.37	2.39	2.39
Painting and decorating	2.11	2.13	2.13	2.14	2.17	2.17	2.18	2.22	2.24	2.25	2.28	2.29
Electrical work .....	2.49	2.50	2.51	2.49	2.53	2.55	2.54	2.55	2.60	2.59	2.59	2.61
Other special trades <sup>3</sup>	2.17	2.19	2.20	2.22	2.23	2.27	2.27	2.28	2.31	2.32	2.33	2.31
Masonry .....	2.19	2.17	2.19	2.21	2.21	2.25	2.25	2.25	2.25	2.27	2.26	2.29
Plastering and lathing	2.56	2.60	2.60	2.59	2.59	2.59	2.57	2.55	2.53	2.55	2.53	2.55
Carpentry .....	1.98	1.98	1.96	1.98	1.98	1.99	2.04	2.08	2.11	2.15	2.11	2.09
Roofing and sheetmetal	1.89	1.91	1.92	1.93	1.93	1.94	1.95	1.96	1.99	2.02	2.04	2.03
Excavation and founda- tion .....	2.11	2.19	2.13	2.06	2.06	2.06	2.04	2.08	2.09	2.09	2.10	2.10
Nonbuilding construction	1.90	1.92	1.93	1.95	1.95	1.98	1.98	2.00	2.02	2.04	2.05	2.03
Highway and street ....	1.74	1.77	1.77	1.77	1.79	1.81	1.82	1.84	1.87	1.88	1.87	1.85
Other .....	1.99	2.00	2.02	2.06	2.06	2.10	2.10	2.12	2.14	2.16	2.18	2.15

<sup>1</sup>See table 43, footnote 1. <sup>2</sup>See table 43, footnote 2. <sup>3</sup>Includes types not shown separately.

# HOURS AND EARNINGS

Table 43.--Hours and Gross Earnings of Workers in Contract Construction,  
by Type of Contractor, Annually 1940-52<sup>1</sup>

Type of contractor	1940	1941	1942	1943	1944	1945	1946
	Average weekly earnings <sup>2</sup>						
All contractors .....	--	--	--	--	--	--	<sup>3</sup> \$56.19
Building construction .....	\$31.70	\$35.14	\$41.80	\$48.13	\$52.18	\$53.73	56.24
General contractors .....	30.56	33.19	39.29	45.67	49.35	50.34	53.33
Special trade contractors .....	33.11	37.04	43.94	49.89	54.18	56.19	59.52
Plumbing and heating .....	32.87	37.35	44.02	49.60	53.82	56.39	60.92
Painting and decorating .....	33.05	37.10	42.14	48.90	53.38	56.92	58.66
Electrical work .....	41.18	46.23	57.87	62.88	64.19	65.29	68.44
Other special trades <sup>4</sup> .....	--	--	--	--	--	--	55.60
Masonry .....	29.47	32.56	36.27	41.87	45.08	50.31	55.42
Plastering and lathing .....	36.60	36.23	38.96	44.87	52.23	53.64	62.04
Carpentry .....	31.23	34.82	38.69	46.66	50.91	54.20	55.60
Roofing and sheet metal .....	28.07	32.04	37.63	43.17	48.86	50.83	51.29
Excavation and foundation .....	26.53	28.16	31.77	39.09	44.75	48.81	51.57
Nonbuilding construction .....	--	--	--	--	--	--	<sup>3</sup> 55.16
Highway and street .....	--	--	--	--	--	--	<sup>3</sup> 53.22
Other .....	--	--	--	--	--	--	<sup>3</sup> 55.77
	Average weekly hours						
All contractors .....	--	--	--	--	--	--	<sup>3</sup> 38.4
Building construction .....	33.1	34.8	36.4	38.4	39.6	39.0	38.1
General contractors .....	33.3	34.4	35.8	37.9	39.1	38.3	37.6
Special trade contractors .....	32.7	35.2	37.0	38.8	39.9	39.5	38.6
Plumbing and heating .....	34.6	37.2	38.9	40.1	41.0	40.8	39.6
Painting and decorating .....	32.5	34.2	35.6	37.7	39.1	39.2	37.5
Electrical work .....	34.5	38.1	41.1	41.5	42.2	41.9	40.7
Other special trades <sup>4</sup> .....	--	--	--	--	--	--	37.4
Masonry .....	29.8	31.1	32.1	33.8	34.1	36.0	37.2
Plastering and lathing .....	28.5	29.2	29.7	32.3	35.0	34.8	36.8
Carpentry .....	33.0	35.6	35.9	38.8	39.6	39.8	39.0
Roofing and sheet metal .....	31.8	34.1	34.9	36.8	38.9	37.4	37.1
Excavation and foundation .....	30.9	33.2	33.6	35.6	37.2	37.8	37.5
Nonbuilding construction .....	--	--	--	--	--	--	<sup>3</sup> 40.5
Highway and street .....	--	--	--	--	--	--	<sup>3</sup> 40.4
Other .....	--	--	--	--	--	--	<sup>3</sup> 40.6
	Average hourly earnings						
All contractors .....	--	--	--	--	--	--	<sup>3</sup> \$1.461
Building construction .....	\$0.958	\$1.010	\$1.148	\$1.252	\$1.319	\$1.379	1.478
General contractors .....	.918	.965	1.098	1.206	1.262	1.315	1.419
Special trade contractors .....	1.012	1.052	1.189	1.284	1.358	1.423	1.544
Plumbing and heating .....	.949	1.005	1.133	1.238	1.313	1.382	1.537
Painting and decorating .....	1.016	1.083	1.185	1.299	1.367	1.451	1.564
Electrical work .....	1.196	1.214	1.409	1.517	1.522	1.559	1.683
Other special trades <sup>4</sup> .....	--	--	--	--	--	--	1.485
Masonry .....	.988	1.046	1.130	1.240	1.324	1.399	1.490
Plastering and lathing .....	1.286	1.240	1.310	1.389	1.493	1.540	1.688
Carpentry .....	.947	.978	1.079	1.204	1.285	1.361	1.426
Roofing and sheet metal .....	.883	.939	1.077	1.173	1.256	1.359	1.383
Excavation and foundation .....	.859	.849	.946	1.099	1.202	1.292	1.375
Nonbuilding construction .....	--	--	--	--	--	--	<sup>3</sup> 1.361
Highway and street .....	--	--	--	--	--	--	<sup>3</sup> 1.317
Other .....	--	--	--	--	--	--	<sup>3</sup> 1.374

See footnotes at end of table.

Table 43.--Hours and Gross Earnings of Workers in Contract Construction,  
by Type of Contractor, Annually 1940-52<sup>1</sup>--Continued

Type of contractor	1947	1948	1949	1950	1951	1952	Percent change, 1951-52
Average weekly earnings <sup>2</sup>							
All contractors .....	\$62.85	\$68.25	\$70.81	\$73.73	\$81.49	\$67.85	+ 7.8
Building construction .....	63.30	68.85	70.95	73.73	81.47	88.01	+ 8.0
General contractors .....	59.39	64.64	67.16	68.56	75.03	82.78	+10.3
Special trade contractors .....	67.97	73.87	75.70	77.77	87.32	91.99	+ 5.3
Plumbing and heating .....	69.66	76.83	78.60	81.72	91.34	94.92	+ 3.9
Painting and decorating .....	63.37	69.77	70.75	71.26	78.76	82.72	+ 5.0
Electrical work .....	77.78	83.01	86.57	89.16	102.26	110.30	+ 7.9
Other special trades <sup>4</sup> .....	63.79	69.65	71.39	74.71	83.62	88.43	+ 5.8
Masonry .....	62.39	69.61	68.72	70.85	78.05	81.55	+ 4.5
Plastering and lathing .....	73.15	78.52	80.39	86.70	89.69	90.05	+ .4
Carpentry .....	63.33	67.98	67.14	69.86	73.24	75.90	+ 3.6
Roofing and sheet metal .....	57.81	62.47	62.86	64.49	70.95	76.53	+ 7.9
Excavation and foundation .....	60.12	66.44	69.65	74.92	81.93	85.81	+ 4.7
Nonbuilding construction .....	60.87	66.61	70.44	73.46	80.78	86.72	+ 7.4
Highway and street .....	56.77	62.41	65.65	69.17	74.62	80.26	+ 7.6
Other .....	61.85	68.67	73.66	76.31	85.26	91.35	+ 7.1
Average weekly hours							
All contractors .....	38.0	38.1	37.8	37.2	37.9	38.7	+ 2.1
Building construction .....	37.6	37.3	36.7	36.3	37.2	38.1	+ 2.4
General contractors .....	37.0	36.6	36.2	35.8	36.6	38.5	+ 5.2
Special trade contractors .....	38.4	38.0	37.2	36.7	37.8	37.7	- .3
Plumbing and heating .....	39.2	39.2	38.6	38.4	39.2	38.9	- .8
Painting and decorating .....	36.7	36.3	35.7	35.4	35.8	35.2	- 1.7
Electrical work .....	40.3	39.8	39.2	38.4	40.1	40.7	+ 1.5
Other special trades <sup>4</sup> .....	37.4	36.9	36.1	35.8	37.0	37.0	0
Masonry .....	36.4	35.4	33.8	33.9	35.0	34.7	- .9
Plastering and lathing .....	37.5	36.1	34.9	35.0	34.9	33.6	- 3.7
Carpentry .....	38.5	37.9	36.6	37.0	35.9	35.8	- .3
Roofing and sheet metal .....	36.7	36.5	35.7	35.3	36.2	36.1	- .3
Excavation and foundation .....	37.8	38.9	37.8	36.6	39.2	40.1	+ 2.3
Nonbuilding construction .....	39.5	40.6	40.9	40.9	40.8	41.1	+ .7
Highway and street .....	39.1	41.6	41.5	41.1	41.0	41.8	+ 2.0
Other .....	39.7	40.0	40.5	40.7	40.6	40.6	0
Average hourly earnings							
All contractors .....	\$1.654	\$1.790	\$1.874	\$1.982	\$2.15	\$2.27	+ 5.6
Building construction .....	1.681	1.848	1.935	2.031	2.19	2.31	+ 5.5
General contractors .....	1.603	1.766	1.855	1.915	2.05	2.15	+ 4.9
Special trade contractors .....	1.772	1.946	2.034	2.119	2.31	2.44	+ 5.6
Plumbing and heating .....	1.779	1.960	2.037	2.128	2.33	2.44	+ 4.7
Painting and decorating .....	1.724	1.925	1.982	2.013	2.20	2.35	+ 6.8
Electrical work .....	1.930	2.084	2.211	2.322	2.55	2.71	+ 6.3
Other special trades <sup>4</sup> .....	1.705	1.888	1.979	2.087	2.26	2.39	+ 5.6
Masonry .....	1.716	1.969	2.033	2.090	2.23	2.35	+ 5.4
Plastering and lathing .....	1.951	2.175	2.301	2.477	2.57	2.68	+ 4.3
Carpentry .....	1.645	1.792	1.837	1.888	2.04	2.12	+ 3.9
Roofing and sheet metal .....	1.577	1.710	1.759	1.827	1.96	2.12	+ 8.2
Excavation and foundation .....	1.590	1.709	1.844	1.941	2.09	2.14	+ 2.4
Nonbuilding construction .....	1.539	1.639	1.723	1.796	1.98	2.11	+ 6.6
Highway and street .....	1.454	1.500	1.583	1.683	1.82	1.92	+ 5.5
Other .....	1.560	1.716	1.820	1.875	2.10	2.25	+ 7.1

<sup>1</sup>Data refer to full- and part-time nonsupervisory construction workers and working foremen who worked during, or received pay for, the payroll period ending nearest the 15th of the month. Figures through 1947 refer only to on-site workers on private projects. Beginning with January 1948, they refer to both on-site workers and to employees engaged in off-site construction work (including pre-assembly and pre-cutting operations) on both private and public projects. <sup>2</sup> Hourly earnings, when multiplied by weekly hours of work, may not exactly equal weekly earnings because of rounding. <sup>3</sup> 11-month average. Data are not available prior to February 1946. <sup>4</sup> Includes types not shown separately.

# WAGE RATES

Table 44.--Indexes<sup>1</sup> of Union Hourly Wage Scales in the Building Trades, Annually 1907-52<sup>2</sup>  
(1947-49 = 100)

Trade	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918
All trades .....	18.2	19.4	20.4	21.2	21.5	22.0	22.5	23.0	23.2	23.9	25.4	28.2
Journeymen .....	19.0	20.2	21.2	22.1	22.5	23.0	23.5	24.1	24.3	25.1	26.5	29.3
Helpers and laborers ...	14.5	15.2	15.7	16.2	16.3	16.4	16.9	17.1	17.2	17.8	19.6	22.7
	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
All trades .....	32.3	43.6	44.4	41.7	46.0	49.7	51.6	55.0	56.9	57.2	58.0	60.4
Journeymen .....	33.4	44.7	45.6	42.9	47.4	51.1	53.0	56.6	58.5	59.0	59.7	62.2
Helpers and laborers ...	26.2	38.1	38.4	35.0	37.1	40.1	41.5	45.2	46.0	46.5	47.3	49.7
	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942
All trades .....	60.6	51.8	50.3	50.7	51.3	53.1	56.8	61.8	62.3	63.3	65.6	69.7
Journeymen .....	62.4	53.4	51.9	52.2	52.8	54.6	58.3	63.4	63.8	64.7	67.0	70.8
Helpers and laborers ...	49.4	42.2	40.3	41.5	41.7	44.1	48.0	52.8	53.2	54.3	56.9	62.5
	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952		
All trades .....	70.2	70.8	72.2	80.5	92.1	101.8	106.1	110.7	117.8	125.1		
Journeymen .....	71.2	71.7	73.0	80.9	92.3	101.7	106.0	110.5	117.4	124.6		
Helpers and laborers ...	63.3	64.0	67.0	77.9	91.1	102.6	106.4	112.2	119.9	127.7		

See page 64 for footnotes.

Table 45.--Indexes of Union Hourly Wage Scales in the Building Trades  
July 1 of 1951 and 1952, and Average Scale, July 1, 1952

Trade	Index (1947-49 = 100) <sup>1</sup>		Increase <sup>1</sup>		Average hourly scale, July 1, 1952 <sup>2</sup>
	July 1, 1952	July 1, 1951	Percent	Cents per hour	
All building trades .....	125.1	117.8	6.2	15	\$2.57
Journeymen .....	124.6	117.4	6.1	16	2.76
Asbestos workers .....	125.3	119.9	4.5	12	2.74
Boilermakers .....	125.8	118.2	6.4	17	2.78
Bricklayers .....	126.2	116.3	8.5	25	3.19
Carpenters .....	124.6	117.4	6.1	16	2.68
Cement finishers .....	122.4	117.0	4.6	12	2.64
Electricians (inside wiremen) .....	126.8	120.0	5.7	16	2.88
Elevator constructors .....	123.5	118.8	4.0	11	2.83
Glaziers .....	121.8	116.5	4.6	11	2.44
Lathers .....	125.0	120.9	3.4	10	3.00
Machinists .....	120.3	115.2	4.4	11	2.61
Marble setters .....	121.8	113.7	7.1	19	2.82
Mosaic and terrazzo workers .....	122.0	118.2	3.2	9	2.82
Painters .....	124.4	116.8	6.5	16	2.57
Paperhangers .....	123.9	116.8	6.1	14	2.52
Plasterers .....	125.3	118.5	5.7	17	3.10
Plumbers .....	121.0	114.2	5.9	16	2.88
Rodmen .....	124.2	118.1	5.2	13	2.64
Roofers, composition .....	123.8	117.5	5.4	13	2.55
Roofers, slate and tile .....	125.0	118.2	5.7	14	2.54
Sheet-metal workers .....	126.2	117.4	7.5	19	2.72
Steam and sprinkler fitters .....	124.8	117.8	5.9	16	2.85
Stonemasons .....	127.8	119.3	7.2	21	3.15
Structural-iron workers .....	123.8	118.3	4.7	13	2.81
Tile layers .....	121.1	116.6	3.8	10	2.82
Helpers and laborers .....	127.7	119.9	6.5	11	1.84
Bricklayers' tenders .....	126.3	118.5	6.6	13	2.02
Building laborers .....	128.6	120.4	6.8	11	1.75
Composition roofers' helpers .....	132.2	121.9	8.4	13	1.65
Elevator constructors' helpers .....	--	--	3.7	7	2.01
Marble setters' helpers .....	--	--	6.2	11	1.87
Plasterers' laborers .....	128.0	120.7	6.1	12	2.10
Plumbers' laborers .....	126.3	120.7	4.7	8	1.86
Terrazzo workers' helpers .....	--	--	4.3	9	2.11
Tile layers' helpers .....	123.8	118.1	4.8	9	2.03

See page 64 for footnotes.



Table 46.--Average Union Hourly Wage Scales for the Building Trades in 77 Cities,  
July 1 of 1951 and 1952

City	July 1, 1952 <sup>3</sup>		July 1, 1951 <sup>3</sup>		Increases, 1951-52 (cents per hour) <sup>1</sup>	
	Journeyman	Helpers and Laborers	Journeyman	Helpers and Laborers	Journeyman	Helpers and Laborers
Average - all cities .....	\$2.756	\$1.841	\$2.599	\$1.746	15.9	11.3
Atlanta, Ga. ....	2.434	1.255	2.245	1.102	15.2	16.4
Baltimore, Md. ....	2.704	1.546	2.532	1.436	17.1	11.0
Birmingham, Ala. ....	2.448	1.240	2.298	1.125	14.7	11.6
Boston, Mass. ....	2.706	1.944	2.593	1.830	10.1	11.5
Buffalo, N. Y. ....	2.827	2.143	2.573	2.001	25.4	14.1
Butte, Mont. ....	2.495	1.745	2.372	1.546	12.8	19.5
Charleston, S. C. ....	2.248	.908	2.197	.903	8.6	.2
Charleston, W. Va. ....	2.621	1.678	2.482	1.647	14.2	3.2
Charlotte, N. C. ....	2.149	1.003	2.048	.955	9.3	5.0
Chattanooga, Tenn. ....	2.404	1.223	2.304	1.225	9.6	(4)
Chicago, Ill. ....	2.949	2.136	2.697	2.003	25.2	13.0
Cincinnati, Ohio ....	2.691	1.957	2.507	1.697	17.6	26.1
Cleveland, Ohio ....	2.984	2.299	2.729	2.103	25.9	18.5
Columbus, Ohio ....	2.636	1.870	2.483	1.672	15.3	19.8
Dallas, Tex. ....	2.606	1.441	2.419	1.405	17.6	12.2
Dayton, Ohio ....	2.734	1.904	2.573	1.747	15.2	14.9
Denver, Colo. ....	2.655	1.712	2.466	1.711	18.4	.2
Des Moines, Iowa ....	2.596	1.841	2.362	1.666	22.9	18.4
Detroit, Mich. ....	2.794	2.029	2.628	1.946	16.8	10.6
Duluth, Minn. ....	2.283	1.767	2.255	1.595	7.0	17.3
El Paso, Tex. ....	2.476	1.333	2.408	1.281	7.5	3.0
Erie, Pa. ....	2.588	1.834	2.387	1.683	17.0	14.7
Grand Rapids, Mich. ....	2.548	1.742	2.381	1.644	16.4	9.7
Houston, Tex. ....	2.587	1.438	2.506	1.415	7.6	.2
Indianapolis, Ind. ....	2.732	1.873	2.552	1.727	18.1	14.6
Jackson, Miss. ....	2.302	1.027	2.191	1.016	10.0	.7
Jacksonville, Fla. ....	2.288	.984	2.228	.996	6.3	(4)
Kansas City, Mo. ....	2.608	1.925	2.447	1.774	18.0	15.0
Knoxville, Tenn. ....	2.433	1.281	2.319	1.151	9.0	13.0
Little Rock, Ark. ....	2.311	1.041	2.239	1.007	11.8	10.8
Los Angeles, Calif. ....	2.604	1.898	2.519	1.881	9.0	1.4
Louisville, Ky. ....	2.512	1.621	2.382	1.554	14.6	8.2
Manchester, N. H. ....	2.364	1.623	2.160	1.438	19.0	16.7
Memphis, Tenn. ....	2.416	1.226	2.275	1.077	13.2	14.9
Miami, Fla. ....	2.598	1.360	2.543	1.111	3.0	11.0
Milwaukee, Wis. ....	2.724	2.135	2.547	1.993	18.0	13.8
Minneapolis, Minn. ....	2.503	1.764	2.415	1.738	8.5	2.6
Mobile, Ala. ....	2.319	1.195	2.285	1.193	2.4	(4)
Newark, N. J. ....	3.269	2.524	3.110	2.332	16.0	19.6
New Haven, Conn. ....	2.682	1.872	2.454	1.719	22.1	14.9

See page 64 for footnotes.

# WAGE RATES

Table 46.--Average Union Hourly Wage Scales for the Building Trades in 77 Cities, July 1 of 1951 and 1952--Continued

City	July 1, 1952 <sup>3</sup>		July 1, 1951 <sup>3</sup>		Increases, 1951-52 (cents per hour) <sup>1</sup>	
	Journeyman	Helpers and Laborers	Journeyman	Helpers and Laborers	Journeyman	Helpers and Laborers
New Orleans, La. ....	\$2.351	\$1.253	\$2.202	\$1.168	15.1	11.9
New York, N. Y. ....	3.152	2.234	3.008	2.163	14.1	5.2
Norfolk, Va. ....	2.359	1.146	2.240	1.034	10.4	9.4
Oakland, Calif. ....	2.709	1.896	2.560	1.822	11.0	1.8
Oklahoma City, Okla. ....	2.606	1.543	2.429	1.372	15.6	19.8
Omaha, Nebr. ....	2.528	1.618	2.382	1.518	14.8	10.2
Peoria, Ill. ....	2.718	2.031	2.562	1.864	18.7	16.8
Philadelphia, Pa. ....	2.929	1.749	2.702	1.531	22.2	22.1
Phoenix, Ariz. ....	2.614	1.947	2.521	1.824	10.6	11.3
Pittsburgh, Pa. ....	2.985	1.891	2.808	1.798	17.9	14.1
Portland, Maine ....	2.157	1.540	1.977	1.381	13.1	14.9
Portland, Oreg. ....	2.562	1.920	2.445	1.813	11.7	9.9
Providence, R. I. ....	2.499	1.806	2.323	1.656	16.9	14.9
Reading, Pa. ....	2.615	1.774	2.441	1.545	17.0	17.5
Richmond, Va. ....	2.328	1.080	2.256	1.078	6.6	5.1
Rochester, N. Y. ....	2.716	2.001	2.512	1.763	19.9	23.9
Rock Island, (Ill.) District <sup>5</sup> ....	2.554	1.783	2.395	1.698	16.8	8.6
St. Louis, Mo. ....	2.877	2.087	2.689	1.900	18.7	17.4
St. Paul, Minn. ....	2.501	1.735	2.408	1.730	9.7	.4
Salt Lake City, Utah ....	2.310	1.662	2.237	1.540	7.6	10.0
San Antonio, Tex. ....	2.396	1.314	2.374	1.296	2.8	8.6
San Francisco, Calif. ....	2.707	2.041	2.563	1.832	12.2	12.6
Savannah, Ga. ....	2.388	1.035	2.187	1.037	16.2	.1
Scranton, Pa. ....	2.557	1.827	2.352	1.521	17.3	29.4
Seattle, Wash. ....	2.699	2.209	2.553	2.001	16.4	21.1
South Bend, Ind. ....	2.628	1.963	2.497	1.840	12.8	12.3
Spokane, Wash. ....	2.583	1.926	2.474	1.806	9.9	12.0
Springfield, Mass. ....	2.472	1.736	2.364	1.570	9.9	16.6
Syracuse, N. Y. ....	2.664	1.755	2.507	1.752	15.9	.3
Toledo, Ohio ....	2.894	2.189	2.639	1.952	26.6	23.7
Washington, D. C. ....	2.933	1.748	2.731	1.626	21.3	12.9
Wichita, Kans. ....	2.416	1.684	2.318	1.415	14.4	27.4
Worcester, Mass. ....	2.525	1.685	2.304	1.586	21.7	9.9
York, Pa. ....	2.180	1.524	1.987	1.302	20.6	22.7
Youngstown, Ohio ....	2.821	1.990	2.617	1.809	21.1	18.5

<sup>1</sup> Indexes and year-to-year changes (percent and cents per hour) are based on comparable quotations for 2 consecutive years, weighted by the union membership reported in the later of the 2 consecutive years.

<sup>2</sup> From 1942-52, inclusive, data have been obtained as of July 1, of each year. Before 1942, the applicable dates were May 15 for 1907-37, and June 1 for 1938-41. <sup>3</sup> Average hourly scales, designed to show current levels, are based on all wage scales reported in effect on date of study in the cities covered; individual scales were weighted by the number of union members reported at each rate. <sup>4</sup> Less than .05 cents.

<sup>5</sup> Includes Rock Island and Moline, Ill., and Davenport, Iowa.

# RESIDENTIAL RENTS

Table 47.-Indexes of Residential Rents in the United States and 20 Large Cities, Quarterly 1951-52<sup>1</sup>  
(1947-49 = 100)

City <sup>2</sup>	1951				1952				Percent of increase, 4th quarter 1951 to 4th quarter 1952
	First quarter	Second quarter	Third quarter	Fourth quarter	First quarter	Second quarter	Third quarter	Fourth quarter	
United States <sup>3</sup> .....	111.9	112.7	114.2	115.6	116.7	117.6	118.3	120.7	4.4
Atlanta, Ga. ....	116.1	116.7	117.6	118.6	119.7	120.1	121.3	124.5	5.0
Baltimore, Md. ....	111.5	112.2	114.0	115.6	116.7	118.0	118.9	119.9	3.7
Boston, Mass. ....	109.5	110.3	112.1	114.3	115.1	116.0	115.7	(4)	--
Chicago, Ill. ....	111.7	112.9	114.2	115.9	116.3	117.2	117.8	122.7	5.9
Cincinnati, Ohio .....	107.4	108.8	109.2	110.8	111.6	112.0	112.4	115.4	4.2
Cleveland, Ohio .....	110.8	111.4	112.1	114.1	115.3	117.6	118.6	121.1	6.1
Detroit, Mich. ....	107.5	107.8	109.2	111.5	113.8	114.4	115.5	117.9	5.7
Houston, Texas .....	130.2	130.9	131.1	132.1	132.8	133.8	134.5	135.8	2.8
Kansas City, Mo. ....	113.5	114.6	116.3	117.8	118.3	119.7	120.5	120.9	2.6
Los Angeles, Calif. ..	123.7	125.2	126.2	127.5	128.7	129.8	131.3	132.7	4.1
Minneapolis, Minn. ...	113.8	114.4	115.9	116.6	118.4	119.1	119.9	(4)	--
New York, N. Y. ....	104.7	105.1	105.9	106.9	107.7	108.5	109.0	109.9	2.8
Philadelphia, Pa. ....	106.1	106.4	107.1	109.4	110.8	111.6	111.6	112.0	2.4
Pittsburgh, Pa. ....	105.9	107.4	108.3	110.4	111.6	112.6	113.1	114.4	3.6
Portland, Oreg. ....	112.5	117.2	118.6	118.9	121.9	123.4	124.2	125.2	5.3
St. Louis, Mo. ....	109.1	109.7	111.7	113.4	114.6	115.1	115.6	116.7	2.9
San Francisco, Calif.	112.1	113.3	114.0	115.8	117.4	118.7	118.8	120.2	3.8
Scranton, Pa. ....	110.3	111.4	112.9	113.2	115.5	116.3	117.2	117.7	4.0
Seattle, Wash. ....	111.3	114.7	116.3	117.7	121.3	121.9	123.0	126.4	7.4
Washington, D. C. ....	108.7	109.3	114.9	116.1	117.2	117.5	118.0	118.2	1.8

<sup>1</sup>Index numbers on this table are not directly comparable with those published earlier, because of the change in the base year from 1935-39 = 100 to 1947-49 = 100. Data for the United States and 34 large cities (20 of which are listed here), on a 1935-39 = 100 base, are available upon request. <sup>2</sup>Data are available for an additional 14 cities, formerly included in current tabulations. The pricing dates for the separate cities included in the table were as follows:

January, April, July, October: Detroit, Kansas City, Mo., New York, Pittsburgh, and Portland, Oreg.;  
February, May, August, November: Atlanta, Cleveland, Houston, Los Angeles, Philadelphia, Scranton,  
Seattle, and Washington, D. C.

March, June, September, December: Baltimore, Boston, Chicago, Cincinnati, Minneapolis, Portland, Oreg.,  
St. Louis, and San Francisco.

<sup>3</sup>Based on data collected in 34 large cities. <sup>4</sup>Data not available.

# RESIDENTIAL RENTS

Table 48.--Indexes of Residential Rents in the United States and 20 Large Cities, Annually 1914-52  
(1914-49 = 100)

City	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926
United States .....	76.6	77.2	78.1	77.4	78.8	85.3	100.2	115.1	118.5	121.6	125.9	126.4	125.2
Atlanta, Ga. ....	(1)	(1)	(1)	83.5	89.8	99.9	123.9	147.7	140.0	135.4	133.1	128.6	120.9
Baltimore, Md. ....	65.1	65.0	65.3	66.4	70.8	77.3	91.5	104.9	107.7	110.3	112.0	112.0	111.4
Boston, Mass. ....	76.5	76.4	76.5	76.5	77.6	81.6	90.4	99.7	103.0	108.1	115.1	117.1	117.3
Chicago, Ill. ....	69.0	69.0	69.2	69.7	70.4	74.9	92.9	120.6	128.7	132.2	139.1	141.6	137.7
Cincinnati, Ohio ...	(1)	(1)	(1)	78.0	78.0	81.2	91.0	99.4	102.9	109.9	116.3	117.9	120.5
Cleveland, Ohio ...	69.7	69.7	70.1	74.2	79.5	87.8	108.2	128.2	119.9	121.8	124.3	123.2	120.2
Detroit, Mich. ....	62.9	63.7	69.5	79.1	85.6	93.3	112.2	125.4	118.6	124.3	129.3	125.5	123.3
Houston, Texas ....	81.8	80.8	77.7	75.7	78.1	85.5	102.8	113.5	113.4	111.9	110.6	109.6	108.7
Kansas City, Mo. ...	(1)	(1)	(1)	88.4	90.9	99.0	122.6	146.6	142.7	138.5	133.0	124.9	120.2
Los Angeles, Calif. ..	79.8	78.6	77.7	78.6	81.5	90.2	117.8	146.8	155.4	158.1	158.7	145.8	133.3
Minneapolis, Minn. ..	(1)	(1)	(1)	80.0	80.0	81.1	94.2	113.1	116.6	116.0	116.2	113.3	110.0
New York, N. Y. ...	72.1	72.1	72.0	73.1	75.5	82.8	95.3	103.8	112.2	115.3	118.9	121.3	122.4
Philadelphia, Pa. ...	74.0	73.9	73.7	74.9	78.1	83.1	95.4	107.1	111.2	118.0	127.6	130.4	131.2
Pittsburgh, Pa. ...	--	--	--	78.0	81.2	88.0	102.1	118.6	121.8	124.3	131.2	136.1	136.6
Portland, Oreg. ...	93.6	88.0	79.0	73.9	90.3	113.0	124.6	133.0	134.2	133.7	133.9	132.1	128.3
St. Louis, Mo. ....	(1)	(1)	(1)	83.4	84.7	89.6	109.1	129.6	138.4	145.6	152.3	154.3	153.9
San Francisco, Calif.	85.8	85.5	84.4	83.0	82.4	84.8	94.5	104.5	110.7	114.4	118.4	120.1	119.9
Scranton, Pa. ....	(1)	(1)	(1)	77.0	77.2	80.0	88.1	106.5	116.1	121.4	127.5	131.1	132.1
Seattle, Wash. ....	69.0	68.1	66.2	67.0	85.3	107.4	120.4	119.4	113.8	112.2	112.8	113.2	111.8
Washington, D. C. ...	79.1	78.5	76.9	76.2	77.2	79.5	91.8	101.6	104.1	105.6	107.3	109.3	109.6
	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939
United States .....	123.2	120.3	117.4	114.2	108.2	97.1	83.6	78.4	78.2	80.1	83.8	86.5	86.6
Atlanta, Ga. ....	117.8	115.9	114.6	110.9	105.5	93.1	78.4	73.8	74.5	76.6	80.3	82.6	82.5
Baltimore, Md. ....	110.3	108.4	107.1	105.6	103.4	96.6	84.5	79.5	78.6	80.1	82.5	84.3	84.7
Boston, Mass. ....	117.1	116.3	115.1	112.3	108.2	102.3	93.1	88.1	86.6	86.5	86.6	87.0	86.9
Chicago, Ill. ....	133.4	128.7	124.2	120.3	112.8	95.5	76.0	69.1	68.7	70.5	75.0	80.6	81.7
Cincinnati, Ohio ...	122.4	122.6	122.3	120.5	115.7	104.1	90.1	84.9	83.5	84.2	87.0	89.0	88.5
Cleveland, Ohio ...	117.1	113.1	111.1	109.1	102.9	89.7	74.7	69.7	70.3	71.8	78.5	82.9	83.1
Detroit, Mich. ....	119.0	113.2	111.8	107.2	90.7	72.8	56.6	55.4	63.2	72.2	83.4	86.8	84.3
Houston, Texas ....	108.1	106.8	104.7	102.6	97.0	81.2	68.7	67.7	70.9	74.5	78.7	81.9	82.8
Kansas City, Mo. ...	114.6	110.7	107.2	105.7	103.9	95.7	82.6	77.5	76.9	77.9	79.9	81.8	81.7
Los Angeles, Calif. ..	127.3	122.5	116.2	111.5	104.3	91.5	75.9	69.3	68.6	71.9	80.1	83.6	83.6
Minneapolis, Minn. ..	105.1	102.3	100.7	99.1	97.1	89.7	78.6	73.2	72.4	74.5	79.5	83.1	84.5
New York, N. Y. ...	122.8	122.1	120.7	118.8	116.1	109.3	97.5	91.1	89.5	89.9	91.3	92.9	93.5
Philadelphia, Pa. ...	129.4	123.8	118.3	113.8	107.6	98.3	87.3	82.3	81.7	82.3	84.2	86.0	86.4
Pittsburgh, Pa. ...	136.2	134.8	131.5	128.7	122.4	107.2	88.6	81.0	80.1	82.4	86.6	89.2	89.9
Portland, Oreg. ...	121.7	113.1	104.2	98.4	91.8	81.0	71.3	67.7	68.8	73.2	80.1	83.2	82.8
St. Louis, Mo. ....	150.8	146.9	143.2	137.5	126.6	110.9	93.2	85.2	83.2	83.6	85.6	86.6	86.2
San Francisco, Calif.	118.8	116.1	113.1	109.9	105.9	98.1	89.3	84.6	82.2	82.5	85.0	87.2	87.9
Scranton, Pa. ....	133.2	132.4	129.0	123.8	118.6	111.2	101.0	95.4	93.9	93.5	93.3	92.5	91.4
Seattle, Wash. ....	109.4	107.1	105.3	103.3	98.6	86.2	74.5	69.3	68.6	70.4	76.2	80.2	80.3
Washington, D. C. ...	107.4	104.7	103.1	102.3	101.4	99.5	92.8	90.1	90.5	91.7	93.0	93.0	92.3
	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952
United States .....	86.9	88.4	90.4	90.3	90.6	90.9	91.4	94.4	100.7	105.0	108.8	113.1	117.9
Atlanta, Ga. ....	82.7	83.3	84.7	85.1	85.6	86.0	86.8	90.6	100.0	109.5	113.6	117.2	121.4
Baltimore, Md. ....	85.5	89.5	91.1	88.9	89.3	90.1	90.6	94.6	99.8	105.7	109.4	113.0	118.0
Boston, Mass. ....	87.2	88.0	91.0	91.2	91.2	91.4	91.9	95.3	100.4	104.3	107.2	111.1	115.6
Chicago, Ill. ....	81.8	83.3	86.0	86.3	86.5	86.7	87.4	92.4	101.0	106.6	109.2	113.3	117.9
Cincinnati, Ohio ...	88.3	89.1	90.8	91.3	91.5	91.8	92.5	95.1	100.7	104.1	104.8	108.7	112.3
Cleveland, Ohio ...	83.4	86.0	90.3	90.0	90.8	91.4	92.0	95.4	100.4	104.2	107.3	112.1	118.3
Detroit, Mich. ....	84.2	87.8	91.1	89.8	90.5	91.3	91.9	94.6	101.2	104.1	106.3	109.5	116.1
Houston, Texas ....	83.0	83.5	84.8	85.5	86.0	86.3	87.8	91.4	99.8	108.8	126.4	131.1	134.2
Kansas City, Mo. ...	81.8	83.2	86.8	87.2	87.9	88.1	88.7	92.9	100.6	106.5	112.3	115.9	120.2
Los Angeles, Calif. ..	82.9	83.2	85.6	86.0	86.6	87.0	88.1	92.3	100.7	107.1	114.0	125.4	130.6
Minneapolis, Minn. ..	85.1	85.5	86.5	86.8	87.2	87.2	87.9	92.8	100.8	106.5	109.7	114.8	119.1
New York, N. Y. ...	93.9	94.1	94.5	94.8	95.0	95.0	95.2	96.8	100.2	102.9	104.2	105.9	109.0
Philadelphia, Pa. ...	86.8	88.1	89.8	90.2	90.3	90.5	90.9	94.7	101.5	103.7	105.2	107.2	111.4
Pittsburgh, Pa. ...	90.3	91.2	92.1	92.0	92.1	92.1	92.2	95.4	100.9	103.7	105.3	108.5	113.2
Portland, Oreg. ...	82.7	84.9	90.7	91.8	92.3	91.8	91.7	94.7	100.9	104.4	108.2	117.6	124.1
St. Louis, Mo. ....	86.3	86.8	90.5	90.5	90.6	90.6	91.0	94.3	101.4	104.3	106.9	110.5	115.1
San Francisco, Calif.	88.1	88.7	90.2	91.2	92.3	92.6	92.9	95.8	100.9	103.3	104.6	113.0	118.3
Scranton, Pa. ....	91.2	91.4	91.2	90.5	90.3	91.0	94.8	95.9	100.2	103.9	107.0	112.0	116.6
Seattle, Wash. ....	80.2	83.8	87.2	86.3	88.4	88.7	89.8	93.2	100.8	105.9	109.2	115.1	123.1
Washington, D. C. ...	92.3	93.0	93.5	93.9	94.5	94.8	95.2	96.3	99.5	104.1	107.5	112.3	117.7

<sup>1</sup> Not available

# WORK INJURIES

Table 49.--Injury Rates in Construction, by Major Effect and Detailed Type of Contractor, Annually 1951-52

Type of contractor	Injury rate				Average days lost or charged per case					
	Fre- quency <sup>1</sup>		Sever- ity <sup>2</sup>		All dis- abilities <sup>3</sup>		Permanent- partial disability		Temporary- total disability	
	1952	1951	1952	1951	1952	1951	1952	1951	1952	1951
All contractors .....	34.6	39.3	3.7	4.2	105	104	1,263	1,458	15	15
General contractors .....	35.4	42.9	3.8	4.5	109	105	1,164	1,407	16	14
General building contractors .....	38.1	39.6	2.7	2.8	71	72	1,213	1,064	15	15
Heavy construction, except highway and street .....	26.2	42.3	4.5	4.4	174	104	1,106	1,046	18	15
Highway and street construction .....	45.8	50.8	5.1	8.2	112	162	1,199	1,754	15	12
Special trade contractors .....	32.7	31.5	3.2	3.5	95	103	1,620	1,679	14	17
Plumbing, heating, and air conditioning .....	31.3	26.8	.8	1.2	26	44	1,088	525	10	12
Painting, paperhanging, and decorating .....	23.6	23.5	4.3	4.6	183	194	300	2,080	17	16
Electrical work .....	30.6	25.7	1.7	2.1	55	81	514	955	11	15
Masonry, stone setting, and other stone-work .....	33.1	40.7	2.5	4.8	74	118	2,033	2,217	15	16
Plastering and lathing .....	36.8	38.2	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)
Terrazzo, tile, marble, and mosaic work .....	22.4	23.9	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)
Roofing and sheet-metal work .....	38.0	43.7	2.1	4.2	55	96	1,275	2,205	17	22
Structural-steel erection and ornamental iron work .....	46.9	48.2	13.8	11.8	295	245	1,998	1,614	24	29
Installation or erection of building equipment not elsewhere classified .....	22.0	29.6	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)
Other special trade contractors .....	35.9	39.0	2.5	3.3	69	86	1,800	1,816	13	12
<b>Percent disabling injuries resulting in--</b>										
	Death and permanent-total disability		Permanent-partial disability		Temporary-total disability					
	1952	1951	1952	1951	1952	1951	1952	1951		
All contractors .....	0.9	0.8	2.7	3.1	96.4	96.1				
General contractors .....	1.0	.7	2.9	3.3	96.1	96.0				
General building contractors .....	.5	.6	2.2	2.2	97.3	97.2				
Heavy construction, except highway and street .....	1.7	1.0	4.8	2.5	93.5	96.5				
Highway and street construction .....	1.2	.8	2.4	6.0	96.4	93.2				
Special trade contractors .....	.8	.8	2.1	2.3	97.1	96.9				
Plumbing, heating, and air conditioning .....	.1	.5	.8	.5	99.1	99.0				
Painting, paperhanging, and decorating .....	2.8	2.3	.5	1.9	96.7	95.8				
Electrical work .....	.6	.8	1.6	2.0	97.8	97.2				
Masonry, stone setting, and other stone-work .....	.5	1.0	1.5	2.0	98.0	97.0				
Plastering and lathing .....	(4)	(4)	(4)	(4)	(4)	(4)				
Terrazzo, tile, marble, and mosaic work .....	(4)	(4)	(4)	(4)	(4)	(4)				
Roofing and sheet-metal work .....	.2	.5	1.9	2.0	97.9	97.5				
Structural-steel erection and ornamental iron work .....	2.3	1.9	6.7	6.3	91.0	91.8				
Installation or erection of building equipment, not elsewhere classified .....	(4)	(4)	(4)	(4)	(4)	(4)				
Other special trade contractors .....	.4	.5	1.7	2.5	97.9	97.0				

<sup>1</sup> The frequency rate is the average number of disabling injuries for each million employee-hours worked.  
<sup>2</sup> The severity rate is the average number of days lost or charged for each thousand employee-hours worked.  
 The standard time-loss ratings for fatalities and permanent disabilities are given in: Method of Compiling Industrial Injury Rates, the code approved by the American Standards Association in 1945. <sup>3</sup> Each death or permanent-total disability is charged with a time loss of 6,000 days in computation of average days of disability. <sup>4</sup> Not available.

# WORK INJURIES

Table 50.--Injury Rates in Construction, by Major Effect and General Type of Contractor, Annually 1946-52

Item	1946	1947	1948	1949	1950	1951	1952
All contractors <sup>1</sup>							
Injury rates: Frequency <sup>2</sup> .....	40.2	40.9	36.7	39.9	41.0	39.3	34.6
Severity <sup>3</sup> .....	3.8	3.6	5.0	3.9	3.8	4.2	3.7
Average days lost: <sup>4</sup>							
All disabilities <sup>5</sup> .....	(6)	87	135	100	93	104	105
Permanent-partial disabilities .....	1,303	1,259	1,219	1,386	1,332	1,458	1,263
Temporary-total disabilities .....	16	14	14	14	14	15	15
Percent disabling injuries resulting in:							
Death and permanent-total disability	.8	.8	1.2	.8	.7	.8	.9
Permanent-partial disability .....	2.5	2.2	4.0	3.2	2.7	3.1	2.7
Temporary-total disability .....	96.7	97.0	94.8	96.0	96.6	96.1	96.4
All general contractors (building and nonbuilding)							
Injury rates: Frequency <sup>2</sup> .....	(6)	(6)	40.0	42.6	44.5	42.9	35.4
Severity <sup>3</sup> .....	(6)	(6)	5.0	(6)	4.2	4.5	3.8
Average days lost: <sup>4</sup>							
All disabilities <sup>5</sup> .....	(6)	(6)	124	(6)	93	105	109
Permanent-partial disabilities .....	(6)	(6)	(6)	(6)	1,312	1,407	1,164
Temporary-total disabilities .....	(6)	(6)	14	(6)	14	14	16
Percent disabling injuries resulting in:							
Death and permanent-total disability	(6)	(6)	1.2	(6)	.7	.7	1.0
Permanent-partial disability .....	(6)	(6)	3.2	(6)	2.8	3.3	2.9
Temporary-total disability .....	(6)	(6)	95.6	(6)	96.5	96.0	96.1
General building contractors							
Injury rates: Frequency <sup>2</sup> .....	(6)	(6)	39.0	41.7	45.4	39.6	38.1
Severity <sup>3</sup> .....	(6)	(6)	3.9	3.1	2.9	2.8	2.7
Average days lost: <sup>4</sup>							
All disabilities <sup>5</sup> .....	(6)	(6)	101	77	64	72	71
Permanent-partial disabilities .....	(6)	(6)	1,060	1,210	1,219	1,064	1,213
Temporary-total disabilities .....	(6)	(6)	13	12	13	15	15
Percent disabling injuries resulting in:							
Death and permanent-total disability	(6)	(6)	1.0	.5	.4	.6	.5
Permanent-partial disability .....	(6)	(6)	2.8	2.8	2.2	2.2	2.2
Temporary-total disability .....	(6)	(6)	96.2	96.7	97.4	97.2	97.3
Heavy construction (except highway and street) contractors							
Injury rates: Frequency <sup>2</sup> .....	46.7	41.8	39.2	41.9	42.8	42.3	26.2
Severity <sup>3</sup> .....	5.7	5.4	5.8	5.5	6.4	4.4	4.5
Average days lost: <sup>4</sup>							
All disabilities <sup>5</sup> .....	(6)	129	148	132	150	104	174
Permanent-partial disabilities .....	1,139	1,269	1,183	1,445	1,236	1,046	1,106
Temporary-total disabilities .....	23	19	15	18	19	15	18
Percent disabling injuries resulting in:							
Death and permanent-total disability	1.1	1.3	1.4	1.3	1.3	1.0	1.7
Permanent-partial disability .....	2.7	2.5	3.9	2.8	4.2	2.5	4.8
Temporary-total disability .....	96.2	96.2	94.7	95.9	94.5	96.5	93.5
Highway and street contractors							
Injury rates: Frequency <sup>2</sup> .....	50.5	46.8	43.3	45.5	44.8	50.8	45.8
Severity <sup>3</sup> .....	5.1	2.9	5.5	4.7	4.0	8.2	5.1
Average days lost: <sup>4</sup>							
All disabilities <sup>5</sup> .....	(6)	63	126	104	89	162	112
Permanent-partial disabilities .....	1,838	941	1,217	1,200	1,644	1,754	1,199
Temporary-total disabilities .....	12	11	13	13	11	12	15
Percent disabling injuries resulting in:							
Death and permanent-total disability	.7	.6	1.3	1.0	.7	.8	1.2
Permanent-partial disability .....	2.5	1.8	2.9	2.6	2.4	6.0	2.4
Temporary-total disability .....	96.8	97.6	95.8	96.4	96.9	93.2	96.4

<sup>1</sup> Includes special trades contractors not shown separately below. <sup>2</sup> See table 49, footnote 1. <sup>3</sup> See table 49, footnote 2. <sup>4</sup> Average days lost or charged per case. <sup>5</sup> See table 49, footnote 3. <sup>6</sup> Not available.

# WORK STOPPAGES

Table 51.--Work Stoppages in the Construction Industry, Annually 1927-52 <sup>1</sup>

Year	Stoppages beginning in year			Man-days idle during year (all stoppages) <sup>3</sup>	
	Number	Workers involved <sup>2</sup>		Number	Percent of estimated working time on construction
		Number	Percent of construction wage earners		
1927 .....	194	50,700	3.2	1,630,000	0.33
1928 .....	154	25,100	1.6	586,000	.12
1929 .....	228	47,700	3.2	1,120,000	.24
1930 .....	186	29,200	2.1	394,000	.09
1931 .....	227	30,900	2.5	546,000	.15
1932 .....	199	64,000	6.6	1,840,000	.74
1933 .....	125	27,400	3.4	338,000	.16
1934 .....	135	33,100	3.8	585,000	.27
1935 .....	139	17,800	2.0	182,000	.08
1936 .....	230	33,200	2.9	345,000	.12
1937 .....	328	71,900	6.5	848,000	.30
1938 .....	315	44,400	4.2	405,000	.15
1939 .....	320	70,100	6.1	633,000	.22
1940 .....	310	71,300	5.5	493,000	.15
1941 .....	395	186,000	10.4	923,000	.22
1942 .....	239	31,000	1.4	164,000	.04
1943 .....	188	35,700	2.3	141,000	.04
1944 .....	168	22,500	2.1	120,000	.06
1945 .....	206	45,800	4.0	447,000	.20
1946 .....	351	146,000	8.8	1,450,000	.40
1947 .....	382	175,000	8.8	2,770,000	.66
1948 .....	380	108,000	5.0	1,430,000	.29
1949 .....	615	197,000	9.1	2,760,000	.53
1950 .....	611	237,000	10.2	2,460,000	.44
1951 .....	651	232,000	9.0	1,190,000	.18
1952 .....	794	634,000	24.7	6,700,000	1.03

<sup>1</sup> All known work stoppages arising out of labor-management disputes, involving six or more workers and containing a full day or shift or longer are included. Figures on "workers involved" and "man-days idle" cover all workers made idle for one shift or longer in establishments directly involved in a stoppage. They do not measure the indirect or secondary effects on other establishments or industries whose employees are made idle as a result of material or service shortages. <sup>2</sup> The figures on number of workers include some duplicate counting, where the same workers were involved in more than one stoppage in a year. <sup>3</sup> The data on man-days idle cover stoppages beginning in the year and also those continuing from the preceding year.

# WORK STOPPAGES

Table 52.--Work Stoppages in the Construction Industry, by Major Issue, Annually 1948-52<sup>1</sup>

Major issue	Number of--			Percentage distribution of--		
	Stoppages beginning in year		Man-days idle during year (in 000's) <sup>3</sup>	Stoppages beginning in year		Man-days idle during year (in 000's)
	Issues involved	Workers involved <sup>2</sup>		Issues involved	Workers involved	
1948						
All issues .....	380	108,000	1,430.0	100.0	100.0	100.0
Wages, hours, and fringe benefits <sup>4</sup> ..	287	93,000	1,310.0	75.4	86.2	91.5
Union organization, wages, hours, and fringe benefits <sup>4</sup> .....	20	7,800	70.8	5.3	7.2	4.9
Union organization <sup>5</sup> .....	28	1,800	13.8	7.4	1.7	1.0
Other working conditions <sup>6</sup> .....	11	1,100	4.8	2.9	1.0	.3
Interunion or intraunion matters <sup>7</sup> ..	31	4,100	32.9	8.2	3.8	2.3
Not reported .....	3	100	.4	.8	.1	(8)
1949						
All issues .....	615	197,000	2,760.0	100.0	100.0	100.0
Wages, hours, and fringe benefits <sup>4</sup> ..	369	159,000	2,480.0	60.0	80.8	89.9
Union organization, wages, hours, and fringe benefits <sup>4</sup> .....	25	2,100	74.8	4.1	1.1	2.7
Union organization <sup>5</sup> .....	82	9,900	49.3	13.3	5.0	1.8
Other working conditions <sup>6</sup> .....	39	4,200	17.2	6.3	2.1	.6
Interunion or intraunion matters <sup>7</sup> ..	99	21,600	137.0	16.1	11.0	5.0
Not reported .....	1	(9)	3.1	.2	0	(8)
1950						
All issues .....	611	237,000	2,460.0	100.0	100.0	100.0
Wages, hours, and fringe benefits <sup>4</sup> ..	335	190,000	2,070.0	54.8	80.3	83.8
Union organization, wages, hours, and fringe benefits <sup>4</sup> .....	25	1,400	11.5	4.1	.6	.5
Union organization <sup>5</sup> .....	80	8,700	115.0	13.1	3.7	4.7
Other working conditions <sup>6</sup> .....	45	10,600	101.0	7.4	4.5	4.1
Interunion or intraunion matters <sup>7</sup> ..	124	25,400	166.0	20.3	10.7	6.7
Not reported .....	2	500	3.8	.3	.2	.2
1951						
All issues .....	651	232,000	1,190.0	100.0	100.0	100.0
Wages, hours, and fringe benefits <sup>4</sup> ..	274	105,000	594.0	42.1	45.3	49.9
Union organization, wages, hours, and fringe benefits <sup>4</sup> .....	7	700	4.0	1.1	.3	.3
Union organization <sup>5</sup> .....	64	9,290	62.3	9.8	4.0	5.2
Other working conditions <sup>6</sup> .....	99	52,100	204.0	15.2	22.5	17.2
Interunion or intraunion matters <sup>7</sup> ..	198	63,400	317.0	30.4	27.3	26.7
Not reported .....	9	1,310	8.0	1.4	.6	.7
1952						
All issues .....	794	634,000	6,700.0	100.0	100.0	100.0
Wages, hours, and fringe benefits <sup>4</sup> ..	365	339,000	5,500.0	46.0	53.4	82.1
Union organization, wages, hours, and fringe benefits <sup>4</sup> .....	9	980	9.8	1.1	.2	.1
Union organization <sup>5</sup> .....	88	31,100	109.0	11.1	4.9	1.6
Other working conditions <sup>6</sup> .....	121	79,300	285.0	15.2	12.5	4.2
Interunion or intraunion matters <sup>7</sup> ..	200	183,000	798.0	25.2	28.9	11.9
Not reported .....	11	500	4.6	1.4	.1	.1

<sup>1</sup> See table 51, footnote 1. <sup>2</sup> The following number of strikes reported in the construction industry during 1948-52 involved as many as 10,000 workers: 1948, none; 1949, 2; 1950, 4; 1951, none; and 1952, 11. <sup>3</sup> Covers total man-days of idleness during year shown, including idleness resulting from any stoppages beginning in previous year. <sup>4</sup> Prior to 1951, these categories did not carry the term "fringe benefits," which has been added only for clarification. There has been no change in the definition or content of these categories during the years shown. <sup>5</sup> Recognition, union security. <sup>6</sup> Shop conditions and policies, workload, safety measures, etc. <sup>7</sup> Mostly jurisdictional and union rivalry and sympathy strikes. <sup>8</sup> Less than 0.1 of 1 percent. <sup>9</sup> Less than 50 workers. Note: Components may not add to totals because of rounding.



# UNION MEMBERSHIP

Table 53.--Total Membership of AFL National and International Units Affiliated with the Building and Construction Trades Department, Selected Years 1947, 1949 and 1951<sup>1</sup>

Union	Total Membership <sup>2</sup>		
	1947	1949	1951
Total membership of affiliated unions <sup>2</sup> .....	3,305,214	3,542,464	3,732,412
Asbestos Workers, Int'l Ass'n. of Heat and Frost Insulators, and .....	4,000	6,000	6,000
Blacksmiths, Drop Forgers and Helpers, Int'l. Bro. of <sup>3</sup> ....	24,000	24,000	--
Boilermakers, Iron Ship Builders and Helpers of America, Int'l Bro. of <sup>3</sup> .....	166,700	150,000	--
Boilermakers, Iron Ship Builders, Blacksmiths, Forgers and Helpers, Int'l Brotherhoods of <sup>3</sup> .....	--	--	150,000
Bricklayers, Masons and Plasterers Int'l Union of America .....	65,000	65,000	100,000
Bridge, Structural and Ornamental Iron Workers, Int'l Ass'n of .....	97,200	105,400	125,000
Carpenters and Joiners of America, United Bro. of .....	737,514	735,000	750,000
Electrical Workers, Int'l Bro. of .....	330,000	450,000	500,000
Elevator Constructors, Int'l Union of .....	10,200	10,264	10,000
Engineers, Int'l Union of Operating .....	125,000	150,000	187,180
Granite Cutters' Int'l Ass'n of America, The .....	4,000	4,000	4,000
Hod Carriers', Building and Common Laborers' Union of America, Int'l .....	267,500	267,500	386,000
Lathers, Int'l Union of Wood, Wire and Metal .....	8,100	12,000	15,000
Marble, Slate and Stone Polishers, Rubbers and Sawyers, Tile and Marble Setters' Helpers and Terrazzo Helpers, Int'l Ass'n of .....	4,500	5,000	5,500
Painters, Decorators and Paperhangers of America, Bro. of ..	170,200	178,000	208,189
Plasterers' and Cement Masons' Int'l Ass'n of the U. S. and Canada, Operative .....	25,000	32,000	37,300
Plumbing and Pipe Fitting Industry of the U. S. and Canada, United Ass'n of Journeymen and Apprentices of the .....	166,700	180,000	201,343
Roofers, Damp and Waterproof Workers' Ass'n, United Slate, Tile and Composition .....	10,700	13,400	13,000
Sheet Metal Workers' Int'l Ass'n .....	25,000	50,000	32,000
Stone Cutters' Ass'n of North America, Journeymen .....	1,900	1,900	1,900
Teamsters, Chauffeurs, Warehousemen and Helpers of America, Int'l Brotherhoods of .....	1,062,000	1,103,000	1,000,000

<sup>1</sup> Data are based primarily on two union sources: either (a) union reports in response to a Bureau of Labor Statistics mail questionnaire; or (b) per capita average annual membership as published in the annual convention proceedings of the American Federation of Labor. <sup>2</sup> Includes total membership for each union, not those employed solely in the construction industry. <sup>3</sup> The International Brotherhoods of Blacksmiths, Drop Forgers and Helpers merged with the International Brotherhoods of Boilermakers, Iron Ship Builders, and Helpers of America and membership rolls were consolidated in 1951 under a new organizational name, the International Brotherhoods of Boilermakers, Iron Ship Builders, Blacksmiths, Forgers and Helpers (AFL).  
 Note: See also "Directory of Labor Unions in the United States," 1953 edition.

# APPRENTICE TRAINING

Table 54.--Number of Registered Apprentices in the Building Trades,  
by Trade, Annually 1948-52<sup>1</sup>

(Data as of June 30)

Trade <sup>2</sup>	Registered apprentices		
	1948	1949	1950
All building trades <sup>3</sup> .....	111,100	118,199	108,318
Brick, stone, and tile layer .....	9,500	10,537	10,989
Carpenter .....	38,700	38,418	34,120
Cement mason .....	600	727	793
Electrician .....	16,600	17,694	15,787
Glazier .....	1,100	1,244	835
Lather .....	1,000	1,175	1,100
Painter .....	7,200	6,125	5,655
Plasterer .....	3,800	4,130	3,877
Plumber, pipefitter, steamfitter .....	20,200	23,033	22,253
Roofer, slater .....	600	493	428
Sheet-metal worker .....	8,700	9,715	9,661
Structural iron worker .....	1,000	845	771
Other (not elsewhere classified) .....	2,100	2,063	2,049
	1951	1952	Percent change, 1951-52
All building trades <sup>3</sup> .....	96,770	86,749	- 10.4
Brick, stone, and tile layer .....	10,902	9,378	- 14.0
Carpenter .....	29,306	24,204	- 17.4
Cement mason .....	727	763	+ 5.0
Electrician .....	14,246	13,865	- 2.7
Glazier .....	854	701	- 17.9
Lather .....	980	870	- 11.2
Painter .....	4,706	3,832	- 18.6
Plasterer .....	3,452	3,069	- 11.1
Plumber, pipefitter, steamfitter .....	19,603	18,522	- 5.5
Roofer, slater .....	436	748	+ 71.6
Sheet-metal worker .....	3,667	7,664	+ 11.6
Structural iron worker .....	618	1,168	+ 89.0
Other (not elsewhere classified) .....	2,273	1,965	- 13.6

<sup>1</sup> Data are estimated for all States combined and are as of June 30 for data on table 54, but as of December 31 on table 55. The data are obtained from local apprenticeship committees, trade unions, employers' associations, and building trades councils, by field representatives of the U. S. Bureau of Apprenticeship and cooperating State Apprenticeship Agencies. Attention is directed to the fact that these tabulations apply only to registered apprentices. A registered apprentice is defined as an employee who, under an expressed or implied agreement for a stipulated term, receives instruction in a registered apprenticeship system and concerning whom a recognized apprenticeship agency has on record all the information it requires. <sup>2</sup> Occupational classifications are based on descriptions in the Dictionary of Occupational Titles. <sup>3</sup> Estimate for the 48 States, plus Alaska, Hawaii, and the District of Columbia. <sup>4</sup> Current data not available.

Table 55 ---Number of Registered Apprentices in the Building Trades,  
by Trade, and by State and Territory<sup>1</sup>

(Data as of December 31, 1952)

State or territory	Trade <sup>2</sup>						
	All building trades	Brick, stone, tile layer	Carpenter	Cement mason	Electrician	Glazier	Lather
United States <sup>3</sup> .....	78,624	7,300	21,432	653	14,018	565	472
Alabama .....	1,479	136	455	19	196	13	0
Alaska .....	91	0	30	0	30	0	0
Arizona .....	806	49	355	3	148	17	5
Arkansas .....	487	18	195	0	65	3	0
California .....	11,737	240	4,866	134	1,352	190	209
Colorado .....	1,049	126	215	20	117	46	0
Connecticut .....	1,823	214	604	0	141	4	4
Delaware .....	121	11	21	4	5	0	0
District of Columbia ...	1,103	138	318	8	139	25	18
Florida .....	2,449	144	744	12	814	15	0
Georgia .....	2,307	129	333	1	902	0	0
Hawaii .....	214	7	41	0	90	0	0
Idaho .....	285	22	70	1	76	2	0
Illinois .....	5,044	792	643	143	1,020	1	0
Indiana .....	1,257	219	242	4	244	0	7
Iowa .....	869	82	258	6	113	8	1
Kansas .....	484	55	156	8	104	5	0
Kentucky .....	1,238	92	385	1	228	7	0
Louisiana .....	1,470	109	386	26	198	25	33
Maine .....	79	13	7	0	15	0	0
Maryland .....	1,176	168	237	4	317	1	0
Massachusetts .....	2,297	306	401	28	638	8	0
Michigan .....	3,314	429	767	13	499	1	16
Minnesota .....	2,549	185	463	30	509	10	49
Mississippi .....	465	7	185	2	91	0	0
Missouri .....	1,789	175	536	0	227	13	0
Montana .....	434	17	146	1	93	3	3
Nebraska .....	526	88	135	9	72	0	0
Nevada .....	170	0	58	0	66	2	0
New Hampshire .....	98	5	17	0	5	0	0
New Jersey .....	2,366	367	754	13	141	19	0
New Mexico .....	533	21	106	0	222	0	1
New York .....	(4)	(4)	(4)	(4)	(4)	(4)	(4)
North Carolina .....	1,799	207	322	6	451	9	3
North Dakota .....	52	9	19	0	0	0	0
Ohio .....	6,062	903	1,296	39	745	18	1
Oklahoma .....	877	64	256	7	88	2	0
Oregon .....	905	38	240	1	227	4	0
Pennsylvania .....	3,400	454	774	31	510	35	115
Rhode Island .....	300	54	112	0	4	0	0
South Carolina .....	1,001	114	99	2	376	1	0
South Dakota .....	73	5	34	0	6	0	0
Tennessee .....	2,255	140	836	5	577	21	0
Texas .....	4,341	321	1,227	46	914	20	1
Utah .....	650	54	181	7	58	7	0
Vermont .....	120	6	24	0	8	0	0
Virginia .....	1,633	107	401	4	415	4	5
Washington .....	1,796	94	624	13	312	23	1
West Virginia .....	376	38	106	0	66	3	0
Wisconsin .....	2,604	313	651	0	336	0	0
Wyoming .....	271	15	101	2	48	0	0

See table 54 for footnotes.

APPRENTICE TRAINING

Table 55.--Number of Registered Apprentices in the Building Trades, by Trade, and by State and Territory <sup>1</sup>--Continued

(Data as of December 31, 1952)

State or territory	Trades <sup>2</sup>						
	Painter	Plasterer	Plumber, pipefitter, steamfitter	Roofer, slater	Sheet-metal worker	Structural-iron worker	Other construction trades (not elsewhere classified)
United States <sup>3</sup> .....	3,581	2,550	16,555	934	7,335	1,261	1,968
Alabama .....	107	40	218	57	124	90	24
Alaska .....	0	0	29	0	2	0	0
Arizona .....	53	14	87	0	67	3	5
Arkansas .....	61	8	76	6	8	47	0
California .....	624	573	2,170	82	974	64	259
Colorado .....	46	20	186	38	171	20	44
Connecticut .....	124	18	406	37	215	24	32
Delaware .....	37	0	41	0	2	0	0
District of Columbia ...	36	21	209	0	71	22	98
Florida .....	46	81	303	75	196	0	19
Georgia .....	59	21	452	11	130	201	68
Hawaii .....	3	0	41	0	27	3	2
Idaho .....	18	2	44	0	37	10	3
Illinois .....	287	422	1,147	10	353	19	207
Indiana .....	79	56	212	0	175	17	2
Iowa .....	48	16	213	0	93	13	18
Kansas .....	5	14	87	1	42	0	7
Kentucky .....	25	27	355	0	111	1	6
Louisiana .....	67	61	405	31	98	30	1
Maine .....	0	0	20	0	5	19	0
Maryland .....	36	81	265	0	36	2	29
Massachusetts .....	39	63	492	1	182	21	118
Michigan .....	150	133	678	0	433	2	193
Minnesota .....	189	99	560	3	341	5	106
Mississippi .....	0	2	116	8	54	0	0
Missouri .....	133	63	317	0	266	11	48
Montana .....	28	5	82	0	41	0	15
Nebraska .....	29	13	76	0	86	10	8
Nevada .....	2	3	24	0	11	0	4
New Hampshire .....	0	0	71	0	0	0	0
New Jersey .....	45	48	642	1	260	4	72
New Mexico .....	32	2	59	59	11	4	16
New York .....	(4)	(4)	(4)	(4)	(4)	(4)	(4)
North Carolina .....	51	93	442	0	172	7	36
North Dakota .....	4	0	20	0	0	0	0
Ohio .....	185	203	1,561	36	791	73	211
Oklahoma .....	26	1	178	76	113	18	48
Oregon .....	44	17	160	0	140	4	30
Pennsylvania .....	76	68	1,051	0	261	13	12
Rhode Island .....	15	13	81	0	10	0	11
South Carolina .....	5	16	186	3	46	152	1
South Dakota .....	5	1	18	0	0	0	4
Tennessee .....	89	23	278	77	149	50	10
Texas .....	226	49	866	255	283	74	59
Utah .....	38	15	125	9	68	66	22
Vermont .....	4	3	49	0	6	20	0
Virginia .....	75	30	356	1	152	50	33
Washington .....	113	33	234	56	161	87	45
West Virginia .....	16	6	95	1	40	2	3
Wisconsin .....	188	64	738	0	276	3	35
Wyoming .....	13	9	34	0	45	0	4

See table 54 for footnotes.

The publications listed below provide additional or current information on the statistical series shown in this Bulletin. Starred (\*) items are available from the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C. or from the Bureau's regional offices at New York and San Francisco.

Requests for all other publications listed here, or for information on any of the statistical series shown, may be directed to the Bureau of Labor Statistics, U. S. Department of Labor, Washington 25, D. C., or to any of the Bureau's regional offices.

#### SPECIAL REPORTS ON CONSTRUCTION

Contractors' Use of Home-Building Permits Issued. Serial No. R. 2101, Monthly Labor Review, Jan. 1952, 2 pp. The reprint has been expanded to include results of a sample survey made in June 1952.

Number and Valuation of New Urban Dwelling Units Authorized in Cities of 50,000 Population or More (1950 Census) by Type of Structure, 1951-52.

New Construction Expenditures, 1915-51; Labor Requirements, 1939-51. Jan. 1953. 75 pp. Includes descriptions of estimating techniques and coverage of statistical series shown.

New Construction Expenditures; Labor Requirements, 1952 Supplement. Aug. 1953. 23 pp.

Labor Share in Construction Cost of New Houses. Serial No. R. 1955, Monthly Labor Review, May 1949.

Labor Requirements for Building Air Force Housing. Serial No. R. 2085, Monthly Labor Review, Sept. 1952.

Construction Labor on Public Housing in the South. Serial No. R. 2086, Monthly Labor Review, Oct. 1952.

Labor Requirements for Constructing Military Airfields. Serial No. R. 2091, Monthly Labor Review, Feb. 1953.

Recent Trends in Test Selection of Apprentices. Monthly Labor Review, Oct. 1953. Not reprinted.

The National Apprenticeship Program. Lists general trade classifications and apprenticeable occupations; provides answers for employers and employees interested in vocational guidance.

National Apprenticeship and Training Standards. Separate reports provide information on national standards for individual building trades.

\*Wholesale Prices, 1951 and 1952. Bulletin 1143, June 1953. 55 pp. 30 cents.

\*Analysis of Work Stoppages During 1952. Bulletin 1136, June 1953. 37 pp. 25 cents.

\*Union Wages and Hours: Building Trades, July 1, 1952. Bulletin 1124, Jan. 1953. 40 pp. 25 cents.

\*Work Injuries in the United States During 1951. Bulletin 1137, June 1953. 41 pp. 25 cents.

\*Injuries and Accident Causes in Carpentry Operations. Bulletin 1118, Sept. 1952. 58 pp. 35 cents.

#### CURRENT STATISTICS

Construction. Monthly. Text, tables, charts, and brief reviews of new publications and of regulations and legislation affecting housing and construction.

\*Monthly Labor Review. Monthly. Annual subscription \$6.25. 55 cents per copy. Includes construction data, brief reviews of new publications, current developments in industrial relations, and occasional articles on housing and construction.

#### TECHNIQUES AND METHODS

\*Techniques of Preparing Major BLS Statistical Series. Bulletin 993. 72 pp. 40 cents. Out of print, but available in many libraries. A revised edition, now under way, will be available early in 1954.

The Revised Rent Index. See Construction, April 1953 issue.

A Description of the Revised Wholesale Price Index. Serial No. R. 2067. Monthly Labor Review, Feb. 1952.

Work Stoppages: Collection and Compilation of Work Stoppage Statistics, BLS Report No. 11. 6 pp.

Measurement of Industrial Employment. Monthly Labor Review, Sept. 1953. Not reprinted.

See also: "New Construction Expenditures, 1915-51; Labor Requirements 1939-51," listed above.

#### ANNUAL REPORTS ON CONSTRUCTION

\*The Construction Industry in the United States. Bulletin 786. 149 pp. 20 cents. (Out of print, but available in libraries.) Text, tables, and charts.

\*Construction in the War Years, 1942-45. Bulletin 915. 179 pp. 55 cents. Text, tables, and charts.

\*Construction and Housing, 1946-47. Bulletin 941. 47 pp. 25 cents. Text, tables, and charts.

\*Construction: 1948 in Review. Bulletin 984. 49 pp. 30 cents. Text, tables, and charts.

Construction: Annual Review 1950. Bulletin 1047. Tables and charts. 87 pp.

\*Construction: Annual Review 1951. Bulletin 1122. 67 pp. 35 cents. Tables.





Chart 4.

# NONFARM DWELLING UNITS STARTED, 1946-52

Over 7 million new dwelling units were started 1946-52, more than a million a year since 1949.

Starts in 1951 plunged because of Regulation X and a tightened money supply. Easing of Regulation X late in 1951 spurred volume in 1952.

