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BUREAU OF LABOR STATISTICS
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BUILDING PERMITS IN THE PRINCIPAL CITIES OF THE UNITED STATES IN 1928

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BULLETIN OF THE

U. S. BUREAU OF LABOR STATISTICS

No. 500 WASHINGTON NOVEMBER, 1929

BUILDING PERMITS IN THE PRINCIPAL CITIES OF THE UNITED STATES IN 1928[1]

Introduction and Summary

THE Bureau of Labor Statistics presents in this bulletin the ninth annual report of building permits issued in cities of the United States having a population of 25,000 and over. According to the estimate of the Census Bureau as of July 1, 1928, there were 319 cities in the United States in this population group.

On January 1 of this year schedule forms were mailed by the bureau to all of these cities except those in States where local bureaus are collecting like information. In these States the information is collected by the State and mailed to the Federal bureau. Schedules were received from 310 cities and data for these cities are shown herein. The States of Illinois, Massachusetts, New Jersey, New York, and Pennsylvania are now cooperating with the bureau in this work.

The city building officials are also heartily cooperating with the work of the bureau. In 1922 it was necessary to send agents to 33⅓ per cent of the cities from which data were collected. In 1927 only 7½ per cent of the cities were visited by the bureau's agents and in collecting the 1928 information it was necessary to send to only 6.1 per cent of the cities.

The costs shown in the following tables refer to the cost of the building only, land costs not being included. The costs are estimated by the builder at the time of applying for his permit to build and are recorded on the application. There is probably a tendency in many cases to underestimate. Some cities are stricter than others in making applicants state a true cost.

Table 1 shows the total number of new buildings and the estimated cost of each of the different kinds of new buildings for which permits were issued in the 310 cities from which schedules were received for the year 1928, the per cent that each kind forms of the total number, the per cent that the cost of each kind forms of the total cost, and the average cost per building.

[1] Earlier reports concerning building permits issued in the United States are published in Bulletins Nos. 295, 318, 347, 368, 397, 424, 449, and 469 of the Bureau of Labor Statistics; also in issues of the Labor Review for July, 1921; April, 1922; July and October, 1923; June and October, 1924; June, September, and October, 1925; June, July, and October, 1926; May, June, July, October, and November, 1927; May, June, October, and November, 1928; May and June, 1929.

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TABLE 1.—NUMBER AND COST OF NEW BUILDINGS AS STATED BY PERMITS ISSUED IN 310 CITIES DURING CALENDAR YEAR 1928, BY KIND OF BUILDING

Kind of building	New buildings for which permits were issued				
	Number of buildings	Per cent of grand total	Estimated cost		
			Amount	Per cent of grand total	Average per building
RESIDENTIAL BUILDINGS					
1-family dwellings	145,322	37.7	$715,317,535	23.1	$4,922
2-family dwellings	19,963	5.2	153,157,386	4.9	7,672
1-family and 2-family dwellings with stores combined	2,625	.7	26,702,412	.9	10,172
Multifamily dwellings	12,070	3.1	776,520,458	25.1	64,335
Multifamily dwellings with stores combined	1,528	.4	90,754,524	2.9	59,394
Hotels	235	.1	114,928,650	3.7	489,058
Lodging houses	37	(1)	780,576	(1)	21,097
All other	209	.1	35,559,169	1.1	170,140
Total	181,989	47.2	1,913,720,710	61.8	10,516
NONRESIDENTIAL BUILDINGS					
Amusement buildings	950	.2	84,914,600	2.7	89,384
Churches	1,009	.3	49,059,444	1.6	48,622
Factories and workshops	3,973	1.0	152,649,534	4.9	38,422
Public garages	3,839	1.0	70,690,699	2.3	18,414
Private garages	156,457	40.6	55,140,483	1.8	352
Service stations	4,520	1.2	14,913,812	.5	3,300
Institutions	304	.1	65,080,263	2.1	214,080
Office buildings	1,353	.4	256,101,159	8.3	189,284
Public buildings	243	.1	29,378,349	.9	120,899
Public works and utilities	517	.1	38,690,950	1.2	74,837
Schools and libraries	852	.2	143,519,854	4.6	168,451
Sheds	11,787	3.1	4,895,029	.2	415
Stables and barns	367	.1	583,553	(1)	1,590
Stores and warehouses	13,111	3.4	211,890,765	6.8	16,161
All other	4,158	1.1	7,710,836	.2	1,854
Total	203,440	52.8	1,185,219,330	38.2	5,826
Grand total	385,429	100.0	3,098,940,040	100.0	8,040

[1] Less than one-tenth of 1 per cent.

In the 310 cities for which reports were received for the year 1928 permits were issued for 385,429 buildings. Of this number, 181,989 buildings, or 47.2 per cent, were for residential purposes and 203,440, or 52.8 per cent, for nonresidential use.

Of the residential buildings 145,322 were 1-family dwellings; this is 37.7 per cent of the total number of new buildings for which permits were issued or 79.8 per cent of the total number of residential buildings. Two-family dwellings, the next most numerous group of residential buildings, comprised only 5.2 per cent of the total number of buildings. With the exception of private garages no other kind of building in either the residential or nonresidential group constituted as much as 5 per cent of the total number of buildings for which permits were issued.

In the nonresidential group private garages were far the most numerous kind of building. Of all buildings for which permits were issued in these 310 cities during the calendar year 1928, over 40 per cent were private garages, over 7 per cent more private garages being erected than 1-family dwellings.

Stores and warehouses ranked next after private garages in the nonresidential group and formed only 3.4 per cent of the total number of new buildings.

It will be seen from the above that out of every 100 buildings for which permits were issued in cities having a population of 25,000 or over, 78 were either 1-family dwellings or private garages.

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The total estimated expenditure for new buildings in these 310 cities was $3,098,940,040 of which $1,913,720,710, or 61.8 per cent, was for residential buildings and $1,185,219,330, or 38.2 per cent, for nonresidential buildings.

The Bureau of Labor Statistics has been collecting figures concerning building permits issued for every year since 1920, and in each of these years up to 1928, 1-family dwellings accounted for the greatest expenditure of any kind of buildings. In 1928, however, the permits issued for multifamily dwellings (apartment houses) show a larger estimated expenditure than those issued for 1-family dwellings. The estimated cost of apartment houses for which permits were issued in these 310 cities during 1928 was $776,520,458, or 25.1 per cent of the expenditure for all new buildings, as compared with $715,317,535, or 23.1 per cent, for 1-family dwellings.

If we group apartment houses and apartment houses with stores we find that the expenditure for both kinds of apartment houses equaled the expenditure for 1-family dwellings and 2-family dwellings combined. Each combination comprised approximately 28 per cent of the total estimated expenditure for all buildings.

In the nonresidential group, office buildings accounted for the largest expenditure of money, $256,101,159 being expended for this class of structure. Stores and warehouses rated next in expenditures in this group, followed by factories, and schools and libraries in order. Private garages which comprise 40.6 per cent of the number of new buildings account for only 1.8 per cent of the cost.

The average cost per building of all new buildings in these 310 cities was $8,040. In residential buildings the average cost was $10,516 and in nonresidential buildings, $5,826. The average cost of nonresidential buildings, however, is "pulled down" by the inclusion of a large number of private garages and sheds. If we exclude these two classes of buildings the average cost of the remaining nonresidential buildings is $13,992 per building.

Families Provided For

TABLE 2 shows the number and per cent of families provided for by each of the different kinds of dwellings for which permits were issued in 302 identical cities during the calendar years 1927 and 1928, by kind of dwelling.

TABLE 2.—NUMBER AND PER CENT OF FAMILIES TO BE HOUSED IN NEW DWELLINGS FOR WHICH PERMITS WERE ISSUED IN 302 IDENTICAL CITIES DURING THE CALENDAR YEARS 1927 AND 1928, BY KIND OF DWELLING

Kind of dwelling	Number of new buildings for which permits were issued		Families provided for			
			Number		Per cent	
	1927	1928	1927	1928	1927	1928
1-family dwellings	164,268	143,889	164,268	143,889	39.2	36.1
2-family dwellings	25,227	19,956	50,454	39,912	12.0	10.0
1-family and 2-family dwellings with stores combined	3,329	2,620	5,399	4,276	1.3	1.1
Multifamily dwellings	13,663	12,063	179,177	190,282	42.8	47.8
Multifamily dwellings with stores combined	1,768	1,528	19,580	19,780	4.7	5.0
Total	208,255	180,056	418,878	398,139	100.0	100.0

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Data were received from 302 cities for both 1927 and 1928. In these 302 cities 398,139 families were provided with dwellings in new buildings in 1928, as compared with 418,878 in 1927, a decrease of 20,739 dwelling units or 5.0 per cent in 1928 as compared with 1927.

There were 164,268 families accommodated in the new 1-family dwellings for which permits were issued in 1927 in these 302 cities. This is 39.2 per cent of the total number of families provided for during that year. In 1928, 1-family dwellings provided for 143,889 families, which was 36.1 per cent of the total number of families supplied with new dwelling places. In contrast, the number of families provided for in apartment houses increased from 179,177 in 1927 to 190,282 in 1928. In 1927, 42.8 per cent of the total number of family dwelling places for which permits were issued were in apartment houses, while in 1928 this percentage had risen to 47.8. The percentage of families supplied with residences in new 2-family dwellings decreased from 12 in 1927 to 10 in 1928.

Table 3 shows the number and percentage distribution of families provided for in the different kinds of dwellings in the 257 identical cities from which reports were received each year from 1921 to 1928, inclusive.

TABLE 3.—NUMBER AND PER CENT OF FAMILIES PROVIDED FOR IN THE DIFFERENT KINDS OF DWELLINGS IN 257 IDENTICAL CITIES, 1921 TO 1928, INCLUSIVE

Year	Number of families provided for in—				Per cent of families provided for in—		
	1-family dwellings	2-family dwellings [1]	Multi-family dwellings [2]	All classes of dwellings	1-family dwellings	2-family dwellings [1]	Multi-family dwellings [2]
1921	130,873	38,858	54,814	224,545	58.3	17.3	24.4
1922	179,364	80,252	117,689	377,305	47.5	21.3	31.2
1923	207,632	96,344	149,697	453,673	45.8	21.2	33.0
1924	210,818	95,019	137,082	442,919	47.6	21.5	30.9
1925	226,159	86,145	178,918	491,222	46.0	17.5	36.4
1926	188,074	64,298	209,842	462,214	40.7	13.9	45.4
1927	155,512	54,320	196,263	406,095	38.3	13.4	48.3
1928	136,907	43,098	208,673	388,678	35.2	11.1	53.7

[1] Includes 1-family and 2-family dwellings with stores combined.
[2] Includes multifamily dwellings with stores combined.

The trend toward apartment-house dwelling continues in full swing. This fact is amply shown by the above table. In 1921 accommodations were provided for 224,545 families in the new buildings for which permits were issued during that year. Of this number 58.3 per cent were sheltered in 1-family dwellings, 17.3 per cent in 2-family dwellings, and 24.4 per cent in apartment houses.

Seven years later, in 1928, it is found that 53.7 per cent of the 388,678 new family dwelling units were in apartment houses and only 35.2 per cent in 1-family dwellings and 11.1 per cent in 2-family dwellings.

The total number of families provided for in 1928 increased 73.1 per cent in 1928 over 1921. One-family dwellings, however, increased only 4.6 per cent in number in 1928 over 1921, while the family units provided in apartment houses in 1928 increased 280.7 per cent over those provided during 1921.

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The per cent of families housed in 1-family dwellings has decreased each year from that of the preceding year, except that 1924 showed a slight increase over 1923. Apartment units have shown exactly the opposite trend; 1924 was the only year that the percentage of families housed in apartment houses was less than that of the preceding year. The percentage of families housed in 2-family dwellings reached a peak in 1924; since that year there has been a steady decline in the percentage of families housed in this class of dwelling.

Building Trend, 1927 and 1928

TABLE 4 shows the number and cost of the different kinds of buildings for the 302 identical cities from which reports were received in 1927 and 1928 and the per cent of increase or decrease in the number and in the cost in 1928 as compared with 1927.

TABLE 4.—NUMBER AND COST OF NEW BUILDINGS FOR WHICH PERMITS WERE ISSUED IN 302 IDENTICAL CITIES DURING THE CALENDAR YEARS 1927 AND 1928, BY KIND OF BUILDING

Kind of building	New buildings for which permits were issued				Per cent of increase (+) or decrease (−) in 1928 compared with 1927	
	1927		1928			
	Number	Cost	Number	Cost	Number	Cost
RESIDENTIAL BUILDINGS						
1-family dwellings	164,268	$789,382,883	143,889	$710,900,837	−12.4	−9.9
2-family dwellings	25,227	208,578,118	19,956	153,128,386	−20.9	−26.6
1-family and 2-family dwellings with stores combined	3,329	34,978,625	2,620	26,678,912	−21.3	−23.7
Multifamily dwellings	13,663	736,830,499	12,063	776,419,458	−11.7	+5.4
Multifamily dwellings with stores combined	1,783	90,666,916	1,528	90,754,524	−14.3	+.1
Hotels	201	69,393,263	234	114,289,650	+16.4	+64.7
Lodging houses	79	1,305,302	37	780,576	−53.2	−40.2
All other	213	30,763,923	207	35,369,533	−2.8	+15.0
Total	208,763	1,061,899,529	180,534	1,908,321,876	−13.5	−2.7
NONRESIDENTIAL BUILDINGS						
Amusement buildings	943	128,208,773	947	84,676,800	+.4	−34.0
Churches	1,118	58,890,438	1,002	48,852,444	−10.4	−17.0
Factories and workshops	4,181	141,307,499	3,932	152,410,564	−6.0	+7.9
Public garages	4,192	74,395,804	3,836	70,656,199	−8.5	−5.0
Private garages	181,859	65,449,178	155,478	54,921,052	−14.5	−16.1
Service stations	4,919	15,022,065	4,462	14,768,932	−9.3	−1.7
Institutions	332	75,132,340	303	65,001,863	−8.7	−13.5
Office buildings	1,271	242,853,223	1,352	255,801,159	+6.4	+5.3
Public buildings	339	47,450,619	243	29,378,349	−28.3	−38.1
Public works and utilities	593	45,389,033	516	38,670,950	−13.0	−14.8
Schools and libraries	837	155,542,100	843	142,154,423	+.7	−8.6
Sheds	13,608	5,091,261	11,658	4,869,737	−14.3	−4.4
Stables and barns	358	823,018	356	581,478	−.6	−29.3
Stores and warehouses	13,280	215,747,108	12,925	210,305,687	−2.7	−2.5
All other	4,283	7,239,146	4,127	7,703,679	−3.6	+6.4
Total	232,113	1,278,541,605	201,980	1,180,753,316	−13.0	−7.6
Grand total	440,876	3,240,441,134	382,514	3,089,075,192	−13.2	−4.7

In the 302 cities from which reports were received for both 1927 and 1928 permits were issued for 382,514 new buildings during the calendar year 1928 as compared with 440,876 during the calendar year 1927. This is a decrease, in the number of buildings, of 13.2

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per cent. The estimated amount spent for the erection of the buildings for which permits were issued in 1928 was $3,089,075,192, a decrease of 4.7 per cent from the $3,240,441,134 spent during 1927.

Residential buildings decreased more in number but less in estimated expenditure than nonresidential buildings in 1928 as compared with 1927. The decrease in the number of residential buildings for which permits were issued during 1928, in these 302 cities, being 13.5 per cent over 1927, while nonresidential buildings decreased in number 13.0 per cent. In estimated costs, however, the decrease in residential buildings was only 2.7 per cent as compared with 7.6 per cent in nonresidential buildings.

All classes of residential buildings except hotels showed a decrease in the number of buildings, comparing 1928 with 1927. Hotels increased 16.4 per cent in number. The greatest decrease was in 1-family and 2-family dwellings with stores where there was a falling off of 21.3 per cent.

In estimated expenditure four classes of structures in the residential group showed a decrease and four showed an increase. The decreases ranged from 9.9 per cent in the case of 1-family dwellings to 40.2 per cent in lodging houses. The increases in estimated expenditure in this group ranged from one-tenth of 1 per cent for multifamily dwellings with stores combined to 64.7 per cent for hotels.

In the nonresidential group all classes of buildings showed a decrease in number except amusement buildings, office buildings, and schools and libraries, office buildings showing the largest increase with a gain of 6.4 per cent over 1927. The decreases ranged from six-tenths of 1 per cent for stables and barns to 28.3 per cent in the case of public buildings.

In amounts expended factory buildings, office buildings, and miscellaneous buildings showed an increase in 1928 as compared with 1927. All other nonresidential buildings showed a decrease in expenditures ranging from 1.7 per cent for service stations to 38.1 per cent for public buildings.

Per Capita Expenditure for Buildings

TABLE 5 shows the total and the per capita expenditures for new buildings, new housekeeping dwellings, repairs and additions, and for all kinds of buildings in each of the 310 cities for which reports were received for the calendar year 1928; the total number of families provided for and the ratio of families provided for to each 10,000 of population in these 310 cities; and the total expenditure for all classes of buildings in 302 cities in 1927.

In the 310 cities which reported for 1928 there was an expenditure of $3,423,584,461 for building operations of all kinds. Of this amount, $3,098,940,040 was for new buildings and $324,644,421 for repairs to old buildings. Of the amount spent for new buildings, $1,762,452,315 was for housekeeping dwellings. The expenditure for all buildings for the 302 cities which reported for 1927 was $3,593,839,405.

The per capita expenditure for the cities from which reports were received for 1928 was $76.18 for all building operations, divided as follows: $68.96 for new buildings and $7.22 for repairs; $39.22 of

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the amount expended for new buildings was for housekeeping dwellings. The population of these 310 cities, as estimated by the Bureau of the Census for July 1, 1928, was 44,940,049.

The five leading cities in per capita expenditure were White Plains, N. Y., $440.15; Yonkers, N. Y., $293.64; Evanston, Ill., $276.85; Mount Vernon, N. Y., $260.74; and New Rochelle, N. Y., $230.19. All of these cities are suburban cities, four being suburbs of New York and one of Chicago. In all of these cities residential buildings accounted for the large per capita expenditure.

Following is a list of the five leading cities in total expenditure for the years 1920 to 1928, inclusive. It will be noted that the cities of New York, Chicago, Detroit, Los Angeles, and Philadelphia make up this list each year except for 1920 and 1921 when Cleveland was included and Philadelphia slumped below the leading five.

1920	
New York	$277, 695, 337
Chicago	84, 602, 650
Detroit	77, 737, 215
Cleveland	64, 198, 600
Los Angeles	60, 023, 600
1921	
New York	442, 285, 248
Chicago	133, 027, 910
Cleveland	86, 680, 023
Los Angeles	82, 761, 386
Detroit	58, 086, 053
1922	
New York	645, 176, 481
Chicago	229, 853, 125
Los Angeles	121, 206, 787
Philadelphia	114, 190, 525
Detroit	93, 614, 593
1923	
New York	789, 265, 335
Chicago	334, 164, 404
Los Angeles	200, 133, 181
Detroit	129, 719, 831
Philadelphia	128, 227, 405
1924	
New York	836, 043, 604
Chicago	308, 911, 159
Detroit	160, 547, 723
1924—Continued	
Los Angeles	$150, 147, 516
Philadelphia	141, 402, 655
1925	
New York	1,020,604,713
Chicago	373, 803, 571
Detroit	180, 132, 528
Philadelphia	171, 034, 280
Los Angeles	152, 646, 436
1926	
New York	1,039,670,572
Chicago	376, 808, 480
Detroit	183, 721, 443
Philadelphia	140, 093, 075
Los Angeles	123, 006, 215
1927	
New York	880, 333, 455
Chicago	365, 065, 042
Detroit	145, 555, 647
Los Angeles	123, 027, 139
Philadelphia	117, 590, 650
1928	
New York	916, 671, 855
Chicago	323, 509, 048
Detroit	129, 260, 285
Philadelphia	112, 225, 865
Los Angeles	101, 678, 768

During 1928 accommodations were provided in the new dwellings for which permits were issued for 399,657 families, or at the rate of 88.9 families to each 10,000 of population in these 310 cities.

Following is a list of the five leading cities in the building of homes for each year since 1921. This list shows the number of families provided with homes in new buildings for each 10,000 of the city's population. Four of the five for 1928 are contiguous to the great metropolitan center of New York City.

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1921	
Long Beach	631.9
Los Angeles	320.9
Pasadena	251.7
Shreveport	249.8
Lakewood	191.3

1922	
Long Beach	1,081.0
Los Angeles	441.6
Lakewood	358.9
Miami	268.1
East Cleveland	267.6

1923	
Long Beach	1,038.1
Los Angeles	657.4
Miami	611.1
Irvington	432.1
Lakewood	381.5

1924	
Miami [1]	2,248.9
Irvington	501.2
Los Angeles [2]	448.3
San Diego	378.0
Long Beach	347.6

1925	
Miami [1]	1,342.0
San Diego	392.0
Tampa	379.3
Irvington	374.6
Los Angeles [2]	331.0

1926	
St. Petersburg	700.3
Mount Vernon	644.7
Irvington	398.6
White Plains	367.2
San Diego	339.5

1927	
Irvington	740.5
White Plains	419.5
Mount Vernon	414.8
Yonkers	349.0
East Orange	338.1

1928	
Yonkers	347.6
Mount Vernon	299.1
White Plains	298.3
Long Beach	297.4
Irvington	295.4

[1] The ratio of families provided for in Miami in 1924 was based on the population as estimated by the Census Bureau for that year. In the light of the actual census taken by State enumeration in 1925, it would seem that the estimate for 1924 was below the actual population for that year, hence the ratio here shown for 1924 is probably higher than the actual population in that year would warrant.

[2] Population not estimated in 1924 or 1925; 1923 estimate used.

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TABLE 5.—TOTAL AND PER CAPITA EXPENDITURES FOR NEW BUILDINGS AND FOR

City and State	Expenditure for new buildings, 1928	Expenditure for repairs and additions, 1928	Total expenditures		Expenditure for new housekeeping dwellings only, 1928
			1928	1927	
Akron, Ohio	$17,837,500	$1,647,596	$19,485,096	$20,196,088	$12,164,148
Alameda, Calif	1,994,724	136,672	2,131,396	1,536,930	1,429,224
Albany, N. Y	12,503,715	2,389,810	14,893,525	16,188,743	7,460,200
Allentown, Pa	5,484,715	450,325	5,935,040	6,588,169	3,165,000
Altoona, Pa	2,898,276	462,631	3,360,907	3,041,304	930,090
Amsterdam, N. Y	677,675	6,000	683,675	607,530	242,600
Alton, Ill	816,115	228,340	1,044,455	(1)	667,724
Anderson, Ind	2,169,014	283,819	2,452,833	2,213,382	881,550
Asheville, N. C	2,832,362	262,748	3,095,110	5,987,153	1,749,300
Ashtabula, Ohio	395,093	118,779	513,872	496,780	150,250
Atlanta, Ga	25,119,931	2,274,848	27,394,779	11,860,907	9,968,489
Atlantic City, N. J	5,786,810	1,624,032	7,410,842	5,822,864	259,265
Auburn, N. Y	356,870	158,726	515,596	843,194	159,125
Augusta, Ga	1,165,846	385,098	1,550,944	1,459,090	815,644
Aurora, Ill	2,650,700	299,772	2,950,472	2,791,528	1,561,549
Baltimore, Md	26,478,200	7,467,150	33,945,350	28,437,790	12,660,000
Bangor, Me	469,260	156,350	625,610	851,355	136,550
Battle Creek, Mich	2,686,505	184,807	2,871,312	4,751,866	752,750
Bay City, Mich	1,490,201	354,695	1,844,896	775,209	229,200
Bayonne, N. J	1,807,300	188,065	1,995,365	1,949,950	968,500
Beaumont, Tex	3,615,913	710,856	4,326,769	(1)	1,486,841
Belleville, Ill	1,014,881	6,740	1,021,621	(1)	666,000
Bellingham, Wash	1,608,105	264,213	1,872,318	1,787,110	674,000
Berkeley, Calif	5,517,950	558,676	6,076,626	6,633,068	4,107,551
Bethlehem, Pa	3,479,390	363,616	3,843,006	2,476,621	1,421,000
Binghamton, N. Y	2,762,317	694,076	3,456,393	4,290,909	1,264,421
Birmingham, Ala	12,820,664	1,403,913	14,224,577	21,786,696	7,130,335
Bloomfield, N. J	3,932,100	608,500	4,540,600	6,880,077	3,370,000
Bloomington, Ill	1,319,300	63,500	1,382,800	924,200	601,000
Boston, Mass	47,961,432	7,737,125	55,698,557	60,987,468	26,867,550
Bridgeport, Conn	3,070,524	456,098	3,526,622	5,186,712	1,945,000
Brockton, Mass	1,448,908	276,950	1,725,858	1,433,359	732,950
Brookline, Mass	5,738,345	553,077	6,291,422	5,902,440	5,065,100
Buffalo, N. Y	23,279,259	1,122,724	24,401,983	33,073,453	10,750,950
Burlington, Iowa	402,871	40,900	443,771	721,140	178,100
Butler, Pa	302,740	86,096	388,836	(1)	258,300
Butte, Mont	215,050	151,390	366,440	68,249	11,500
Cambridge, Mass	7,146,113	937,610	8,083,723	9,557,469	3,581,300
Camden, N. J	6,762,090	665,965	7,428,055	5,330,327	1,164,950
Canton, Ohio	3,083,147	579,171	3,662,318	4,156,020	2,180,850
Cedar Rapids, Iowa	1,856,631	581,599	2,438,230	2,602,622	688,940
Central Falls, R. I	230,345	73,000	303,345	798,730	92,000
Charleston, S. C	383,228	177,407	560,635	586,099	160,300
Charleston, W. Va	2,613,790	259,390	2,873,180	2,038,709	860,000
Charlotte, N. C	7,048,994	409,270	7,458,264	5,554,884	4,432,020
Chattanooga, Tenn	3,978,069	725,417	4,703,486	4,874,201	1,862,875
Chelsea, Mass	898,540	265,175	1,163,715	866,060	573,000
Chester, Pa	1,537,867	208,675	1,746,542	2,396,265	1,000,000
Chicago, Ill	315,208,908	8,300,140	323,509,048	365,065,042	174,749,900
Chicopee, Mass	1,161,265	114,300	1,275,565	1,117,110	368,300
Cicero, Ill	3,560,114	299,966	3,860,080	4,635,829	2,537,600
Cincinnati, Ohio	30,679,990	4,778,740	35,458,730	30,570,299	21,628,235
Clarksburg, W. Va	1,075,450	113,935	1,189,385	1,007,635	357,235
Cleveland, Ohio	47,017,150	9,141,375	56,158,525	45,480,550	16,247,100
Clifton, N. J	3,437,510	104,545	3,542,055	3,388,565	2,539,650
Colorado Springs, Colo	614,466	198,029	812,495	577,398	340,440
Columbia, S. C	1,347,695	262,080	1,609,775	1,533,375	1,108,000
Columbus, Ga	984,848	169,154	1,154,002	1,539,749	700,724
Columbus, Ohio	14,857,790	1,379,460	16,237,250	23,282,600	11,533,300
Council Bluffs, Iowa	701,450	108,800	810,250	930,250	261,400
Covington, Ky	1,299,400	292,350	1,591,750	1,722,310	953,200
Cranston, R. I	3,607,224	103,025	3,710,249	2,669,634	2,775,200
Cumberland, Md	924,421	75,127	999,548	942,465	284,010
Dallas, Tex	6,360,840	1,728,159	8,088,999	9,773,523	3,187,924
Danville, Ill	752,159	163,189	915,348	1,036,791	599,086
Davenport, Iowa	1,060,362	289,379	1,349,741	2,053,351	635,650
Dayton, Ohio	9,010,900	1,347,478	10,358,378	10,332,026	2,703,488

[1] Not estimated by Census Bureau.

[2] Estimate as of July 1, 1926.

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REPAIRS, AND FAMILIES PROVIDED FOR, IN 310 CITIES IN THE CALENDAR YEAR 1928

City and State	Estimated population, July 1, 1928	Families provided for		Per capita expenditure, 1928				Per capita expenditure for housekeeping dwellings only, 1928
		Number	Ratio per 10,000	For new buildings	For repairs and additions	Total	Rank of city	
Akron, Ohio	(1)	2,557						
Alameda, Calif	[3] 32,400	504	155.6	$61.57	$4.22	$65.78	78	$44.11
Albany, N. Y	120,400	615	51.1	103.85	19.85	123.70	22	61.96
Allentown, Pa	99,400	556	55.9	55.18	4.53	59.71	93	31.84
Altoona, Pa	69,100	155	22.4	41.94	6.70	48.64	136	13.46
Amsterdam, N. Y	36,200	42	11.6	18.72	.17	18.89	258	6.70
Alton, Ill	[4] 26,797	167	62.3	30.46	8.52	38.98	171	21.19
Anderson, Ind	[3] 34,600	268	77.5	62.69	8.20	70.89	66	25.48
Asheville, N. C	[3] 32,000	370	115.6	88.51	8.21	96.72	40	54.67
Ashtabula, Ohio	[3] 25,500	20	7.8	15.49	4.66	20.15	254	5.89
Atlanta, Ga	255,100	3,170	124.3	98.47	8.92	107.39	27	39.08
Atlantic City, N. J	54,700	57	10.4	105.79	29.69	135.48	20	4.74
Auburn, N. Y	[4] 35,677	31	8.7	10.00	4.45	14.45	272	4.46
Augusta, Ga	56,700	318	56.1	20.56	6.79	27.35	223	14.39
Aurora, Ill	47,100	301	63.9	56.28	6.36	62.64	88	33.15
Baltimore, Md	830,400	2,884	34.7	31.89	8.99	40.88	160	15.25
Bangor, Me	[3] 26,800	38	14.2	17.51	5.83	23.34	243	5.10
Battle Creek, Mich	47,200	177	37.5	56.92	3.92	60.83	91	15.95
Bay City, Mich	49,600	57	11.5	30.04	7.15	37.20	180	4.62
Bayonne, N. J	95,300	436	45.8	18.96	1.97	20.94	250	10.16
Beaumont, Tex	56,300	540	95.9	64.23	12.63	76.85	53	26.41
Belleville, Ill	[4] 26,969	136	50.4	37.63	.25	37.88	178	24.70
Bellingham, Wash	[3] 26,300	264	100.4	61.14	10.05	71.19	64	25.63
Berkeley, Calif	71,000	1,330	187.3	77.72	7.87	85.59	47	57.85
Bethlehem, Pa	67,600	223	33.0	51.47	5.38	56.85	101	21.02
Binghamton, N. Y	74,800	306	40.9	36.93	9.28	46.21	145	16.90
Birmingham, Ala	222,400	2,589	116.4	57.65	6.31	63.96	87	32.06
Bloomfield, N. J	(1)	675						
Bloomington, Ill	[3] 30,700	90	29.3	42.97	2.07	45.04	148	19.58
Boston, Mass	799,200	6,805	85.1	60.01	9.68	69.69	67	33.62
Bridgeport, Conn	[4] 143,535	388	27.0	21.39	3.18	24.57	237	13.55
Brockton, Mass	[4] 65,343	141	21.6	22.17	4.24	26.41	229	11.22
Brookline, Mass	45,700	556	121.7	125.57	12.10	137.67	19	110.83
Buffalo, N. Y	555,800	3,181	57.2	41.88	2.02	43.90	149	19.34
Burlington, Iowa	[3] 27,100	55	20.3	14.87	1.51	16.38	266	6.57
Butler, Pa	[4] 25,230	40	15.9	12.00	3.41	15.41	267	10.24
Butte, Mont	43,600	7	1.6	4.93	3.47	8.40	288	.26
Cambridge, Mass	125,800	863	68.6	56.81	7.45	64.26	83	28.47
Camden, N. J	135,400	350	25.8	49.94	4.92	54.86	111	8.60
Canton, Ohio	116,800	374	32.0	26.40	4.96	31.36	210	18.67
Cedar Rapids, Iowa	58,200	157	27.0	31.90	9.99	41.89	157	11.84
Central Falls, R. I	[3] 25,700	44	17.1	8.96	2.84	11.80	282	3.58
Charleston, S. C	75,900	46	6.1	5.05	2.34	7.39	289	2.11
Charleston, W. Va	55,200	258	46.7	47.35	4.70	52.05	124	15.58
Charlotte, N. C	82,100	1,237	150.7	85.86	4.99	90.84	43	53.98
Chattanooga, Tenn	73,500	611	83.1	54.12	9.87	63.99	86	25.35
Chelsea, Mass	49,800	142	28.5	18.04	5.32	23.37	242	11.51
Chester, Pa	74,200	243	32.7	20.73	2.81	23.54	240	13.48
Chicago, Ill	3,157,400	34,447	109.1	99.83	2.63	102.46	32	55.35
Chicopee, Mass	45,400	102	22.5	25.58	2.52	28.10	221	8.11
Cicero, Ill	71,600	464	64.8	49.72	4.19	53.91	116	35.44
Cincinnati, Ohio	413,700	3,559	86.0	74.16	11.55	85.71	46	52.28
Clarksburg, W. Va	[3] 30,900	98	31.7	34.80	3.69	38.49	174	11.56
Cleveland, Ohio	1,010,300	3,167	31.3	46.54	9.05	55.59	107	16.08
Clifton, N. J	[3] 36,200	547	151.1	94.96	2.89	97.85	36	70.16
Colorado Springs, Colo	(1)	95						
Columbia, S. C	50,600	272	53.8	26.63	5.18	31.81	208	21.90
Columbus, Ga	46,600	321	68.9	21.13	3.63	24.76	236	15.04
Columbus, Ohio	299,000	2,477	82.8	49.69	4.61	54.31	114	38.57
Council Bluffs, Iowa	42,300	94	22.2	16.58	2.57	19.15	255	6.18
Covington, Ky	59,000	314	53.2	22.02	4.96	26.98	228	16.16
Cranston, R. I	37,500	559	149.1	96.19	2.75	98.94	35	74.01
Cumberland, Md	[3] 34,400	67	19.5	26.87	2.18	29.06	218	8.26
Dallas, Tex	217,800	1,199	55.1	29.20	7.93	37.14	181	14.64
Danville, Ill	38,800	164	42.3	19.39	4.21	23.59	239	15.44
Davenport, Iowa	[4] 52,469	140	26.7	20.21	5.52	25.72	233	12.11
Dayton, Ohio	184,500	732	39.7	48.84	7.30	56.14	102	14.65

[3] Data not collected. [4] State census Jan. 1, 1925.

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TABLE 5.—TOTAL AND PER CAPITA EXPENDITURES FOR NEW BUILDINGS AND FOR

City and State	Expenditure for new buildings, 1928	Expenditure for repairs and additions, 1928	Total expenditures		Expenditure for new housekeeping dwellings only, 1928
			1928	1927	
Decatur, Ill	$3,906,710	$262,635	$4,169,345	$5,790,415	$1,967,500
Denver, Colo	15,113,000	1,657,750	16,770,750	15,754,600	8,249,200
Des Moines, Iowa	4,154,173	355,807	4,509,980	2,876,131	1,675,328
Detroit, Mich	117,458,340	11,801,945	129,260,285	145,555,647	66,448,106
Dubuque, Iowa	764,425	112,961	877,386	1,288,207	269,500
Duluth, Minn	2,283,368	1,006,036	3,289,404	4,431,435	947,650
Durham, N. C	9,672,888	232,950	9,905,838	2,587,754	1,582,935
East Chicago, Ind	3,126,499	355,405	3,481,904	4,304,366	950,850
East Cleveland, Ohio	1,678,961	110,291	1,789,252	1,220,620	186,000
Easton, Pa	426,339	306,669	733,008	1,299,670	202,425
East Orange, N. J	7,266,012	366,373	7,632,385	12,313,092	4,631,150
East Providence, R. I	2,972,117	117,984	3,090,101	2,389,700	1,478,025
East St. Louis, Ill	2,490,326	216,608	2,706,934	5,562,971	1,843,880
Elgin, Ill	2,013,075	356,571	2,369,646	1,891,883	1,055,570
Elizabeth, N. J	5,473,100	30,500	5,503,600	10,922,877	3,451,000
Elkhart, Ind	832,616	231,273	1,063,889	2,660,566	590,261
Elmira, N. Y	1,668,121	237,596	1,905,717	1,311,783	631,100
El Paso, Tex	1,836,814	307,411	2,144,225	1,792,561	900,426
Erie, Pa	3,846,534	917,154	4,763,688	5,393,056	2,104,500
Evanston, Ill	12,306,175	872,050	13,178,225	15,917,225	7,714,000
Evansville, Ind	4,780,090	330,724	5,110,814	3,415,998	1,488,250
Everett, Mass	1,521,858	238,901	1,760,759	2,097,830	977,600
Everett, Wash	677,590	509,000	1,186,590	(3)	262,300
Fall River, Mass	2,546,384	289,260	2,835,644	1,840,768	469,020
Fitchburg, Mass	570,115	252,235	822,350	637,975	110,500
Flint, Mich	13,112,152	1,310,577	14,422,729	22,087,451	8,495,144
Fond du Lac, Wis	493,631	85,499	579,130	1,000,179	203,000
Fort Smith, Ark	1,004,184	604,518	1,608,702	(3)	184,488
Fort Wayne, Ind	4,284,436	726,688	5,011,124	6,002,498	2,128,815
Fort Wayne, Tex	10,083,937	1,459,850	11,543,787	28,483,764	6,402,445
Fresno, Calif	1,205,652	455,913	1,661,565	2,690,578	480,645
Galveston, Tex	2,308,562	368,246	2,676,808	2,974,415	1,146,686
Gary, Ind	5,240,875	800,275	6,041,150	15,016,529	3,701,575
Grand Rapids, Mich	6,435,245	1,751,510	8,186,755	12,319,420	3,584,100
Great Falls, Mont	2,525,652	133,830	2,659,482	1,163,119	789,830
Green Bay, Wis	1,831,861	160,000	1,991,861	2,508,898	834,180
Greensboro, N. C	4,520,144	528,151	5,048,295	4,837,830	2,030,865
Greenville, S. C	1,197,452	242,691	1,440,143	1,111,182	729,547
Greenwich, Conn	5,736,745	867,635	6,604,380	5,700,062	4,559,300
Hagerstown, Md	462,200	215,034	677,234	1,558,205	300,510
Hamilton, Ohio	1,920,934	142,099	2,063,033	1,782,749	1,538,487
Hammond, Ind	6,057,980	469,300	6,527,280	6,431,200	2,759,700
Hamtramck, Mich	1,056,930	288,045	1,344,975	1,545,815	404,200
Harrisburg, Pa	4,713,635	881,140	5,594,775	3,569,365	1,214,500
Hartford, Conn	9,394,186	1,884,257	11,278,443	17,529,941	4,650,269
Haverhill, Mass	444,190	109,875	554,065	909,625	271,400
Hazelton, Pa	1,011,988	183,022	1,195,010	2,072,504	343,264
Highland Park, Mich	1,675,167	928,110	2,603,277	2,654,960	364,500
Hoboken, N. J	320,790	244,173	564,963	1,519,599	70,500
Holyoke, Mass	913,700	347,400	1,261,100	2,044,200	492,800
Houston, Tex	34,598,940	710,563	35,309,503	27,326,475	17,806,385
Huntington, W. Va	929,600	52,000	981,600	1,547,150	467,900
Hutchinson, Kans	1,067,390	201,722	1,269,112	(3)	467,270
Indianapolis, Ind	19,354,573	2,612,813	21,967,386	23,682,316	10,224,100
Irvington, N. J	6,556,253	83,041	6,639,294	12,960,227	5,021,800
Jackson, Mich	1,550,690	546,396	2,097,086	2,575,644	1,107,450
Jacksonville, Fla	6,818,590	841,569	7,660,159	12,768,386	5,263,115
Jamestown, N. Y	1,554,990	291,880	1,846,870	2,745,835	855,000
Jersey City, N. J	12,943,194	933,050	13,876,244	13,851,780	7,649,000
Johnstown, Pa	961,341	133,753	1,095,094	1,386,183	345,150
Joliet, Ill	2,773,828	307,792	3,081,620	2,793,700	1,412,900
Joplin, Mo	1,231,393	172,346	1,403,739	1,355,533	591,200

[1] Not estimated by Census Bureau. [2] Estimate as of July 1, 1926. [3] Data not collected.

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REPAIRS, AND FAMILIES PROVIDED FOR, ETC., IN THE CALENDAR YEAR 1928—Con.

City and State	Estimated population, July 1, 1928	Families provided for		Per capita expenditure, 1928				Per capita expenditure for housekeeping dwellings only, 1928
		Number	Ratio per 10,000	For new buildings	For repairs and additions	Total	Rank of city	
Decatur, Ill	57,100	339	59.4	$68.42	$4.60	$73.02	59	$34.49
Denver, Colo	294,200	1,869	63.5	51.37	5.63	57.00	100	28.06
Des Moines, Iowa	151,900	406	26.7	27.35	2.34	29.69	216	11.04
Detroit, Mich	1,378,900	15,929	115.5	85.18	8.56	93.74	42	48.13
Dubuque, Iowa	42,300	67	15.8	18.07	2.67	20.74	253	6.37
Duluth, Minn	116,800	196	16.8	19.55	8.61	28.16	220	8.11
Durham, N. C	47,600	464	97.5	203.21	4.89	208.11	8	33.25
East Chicago, Ind	50,800	204	40.2	61.55	7.00	68.54	69	18.72
East Cleveland, Ohio	[3] 39,400	136	34.5	42.61	2.80	45.41	147	4.72
Easton, Pa	38,400	24	6.3	11.10	7.99	19.09	257	5.27
East Orange, N. J	65,000	968	148.9	111.78	5.64	117.42	24	71.25
East Providence, R. I	[3] 27,100	271	100.0	109.67	4.35	114.03	26	54.54
East St. Louis, Ill	74,000	501	67.7	33.65	2.93	36.58	186	24.92
Elgin, Ill	36,000	207	57.5	55.92	9.90	65.82	77	29.32
Elizabeth, N. J	(1)	1,002						
Elkhart, Ind	(1)	155						
Elmira, N. Y	50,000	120	24.0	33.36	4.75	38.11	177	12.62
El Paso, Tex	117,800	310	26.3	15.59	2.61	18.20	260	7.64
Erie, Pa	(1)	397						
Evanston, Ill	47,600	945	198.5	258.53	18.32	276.85	3	162.06
Evansville, Ind	98,100	420	42.8	48.73	3.37	52.10	123	15.17
Everett, Mass	43,300	283	65.4	35.15	5.52	40.66	162	22.58
Everett, Wash	[4] 29,303	123	42.0	23.12	17.37	40.49	164	8.95
Fall River, Mass	134,300	110	8.2	18.96	2.15	21.11	249	3.49
Fitchburg, Mass	45,200	25	5.5	12.61	5.58	18.19	261	2.44
Flint, Mich	148,800	2,221	149.3	88.12	8.81	96.93	39	57.09
Fond du Lac, Wis	[3] 26,500	59	22.3	18.63	3.23	21.85	244	7.66
Fort Smith, Ark	[4] 31,643	61	19.3	31.73	19.10	50.84	128	5.83
Fort Wayne, Ind	105,300	407	38.7	40.69	6.90	47.59	139	20.22
Fort Worth, Tex	170,600	1,758	103.0	59.11	8.56	67.67	72	37.53
Fresno, Calif	64,000	146	22.8	18.84	7.12	25.96	232	7.51
Galveston, Tex	50,600	369	72.9	45.62	7.28	52.90	121	22.66
Gary, Ind	89,100	890	99.9	58.82	8.98	67.80	71	41.54
Grand Rapids, Mich	164,200	895	54.5	39.19	10.67	49.86	133	21.83
Great Falls, Mont	[3] 30,900	260	84.1	81.74	4.33	86.07	45	25.56
Green Bay, Wis	36,100	186	51.5	50.74	4.43	55.18	109	23.11
Greensboro, N. C	51,900	446	85.9	87.09	10.18	97.27	38	39.13
Greenville, S. C	[3] 28,100	193	68.7	42.61	8.64	51.25	125	25.96
Greenwich, Conn	(1)	344						
Hagerstown, Md	[3] 32,000	82	25.6	14.44	6.72	21.16	248	9.39
Hamilton, Ohio	44,200	410	92.8	43.46	3.21	46.67	143	34.81
Hammond, Ind	56,000	698	124.6	108.18	8.38	116.56	25	49.28
Hamtramck, Mich	99,800	89	8.9	10.59	2.89	13.48	277	4.05
Harrisburg, Pa	86,900	206	23.7	54.24	10.14	64.38	82	13.98
Hartford, Conn	172,300	1,363	79.1	54.52	10.94	65.46	79	26.99
Haverhill, Mass	[4] 49,232	68	13.8	9.02	2.23	11.25	283	5.51
Hazleton, Pa	38,300	57	14.9	26.42	4.78	31.20	212	8.96
Highland Park, Mich	86,400	117	13.5	19.39	10.74	30.13	215	4.22
Hoboken, N. J	(1)	5						
Holyoke, Mass	60,400	86	14.2	15.13	5.75	20.88	251	8.16
Houston, Tex	[5] 164,954	4,463	270.6	209.75	4.31	214.06	6	107.95
Huntington, W. Va	68,600	87	12.7	13.55	.76	14.31	274	6.82
Hutchinson, Kans	(1)	146						
Indianapolis, Ind	382,100	2,511	65.7	50.65	6.84	57.49	98	26.76
Irvington, N. J	[3] 34,600	1,022	295.4	189.49	2.40	191.89	10	145.14
Jackson, Mich	63,700	250	39.2	24.34	8.58	32.92	204	17.39
Jacksonville, Fla	140,700	1,658	117.8	48.46	5.98	54.44	112	37.41
Jamestown, N. Y	46,000	169	36.7	33.80	6.35	40.15	165	18.59
Jersey City, N. J	324,700	2,155	66.4	39.86	2.87	42.74	152	23.56
Johnstown, Pa	73,700	73	9.9	13.04	1.81	14.86	271	4.68
Joliet, Ill	41,900	180	43.0	66.20	7.35	73.55	57	33.72
Joplin, Mo	(1)	151						

[4] State census, Jan. 1, 1925. [5] Estimate as of July 1, 1925.

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TABLE 5.—TOTAL AND PER CAPITA EXPENDITURES FOR NEW BUILDINGS AND FOR

City and State	Expenditure for new buildings, 1928	Expenditure for repairs and additions, 1928	Total expenditures		Expenditure for new housekeeping dwellings only, 1928
			1928	1927	
Kalamazoo, Mich	$1,559,478	$475,386	$2,034,864	$2,223,046	$640,525
Kansas City, Kans	1,562,452	88,825	1,651,277	1,586,790	648,620
Kansas City, Mo	14,739,275	802,000	15,541,275	14,822,336	7,629,200
Kearny, N. J	6,115,160	136,430	6,251,590	5,795,875	2,945,000
Kenosha, Wis	3,291,659	434,745	3,726,404	4,468,453	2,484,518
Kingston, N. Y	1,020,006	716,784	1,736,790	2,140,093	683,050
Knoxville, Tenn	6,784,741	329,796	7,114,537	5,699,417	3,187,541
Kokomo, Ind	459,013	67,653	526,666	480,095	350,262
Lakewood, Ohio	4,512,046	110,050	4,622,096	3,516,399	2,172,400
Lancaster, Pa	1,528,895	860,180	2,389,075	3,004,838	839,050
Lansing, Mich	4,919,662	284,685	5,204,347	7,330,420	2,004,800
Lawrence, Mass	427,500	175,135	602,635	913,134	104,200
Lebanon, Pa	403,000	257,325	660,325	604,500	101,000
Lewiston, Me	985,000	5,000	990,000	469,100	148,000
Lexington, Ky	1,448,119	169,299	1,617,418	2,350,985	573,400
Lima, Ohio	295,217	159,217	454,434	707,313	86,100
Lincoln, Nebr	3,450,854	192,495	3,643,349	4,398,540	1,801,712
Little Rock, Ark	3,804,523	455,585	4,260,108	2,993,636	2,079,137
Long Beach, Calif	15,607,585	700,240	16,307,825	13,639,425	8,631,515
Lorain, Ohio	1,079,714	97,660	1,177,374	1,300,534	815,140
Los Angeles, Calif	91,279,946	10,398,822	101,678,768	123,027,139	60,977,127
Louisville, Ky	15,462,120	2,657,955	18,120,075	23,340,610	8,250,300
Lowell, Mass	630,805	310,945	941,750	971,115	170,600
Lynchburg, Va	916,244	176,839	1,093,083	1,528,729	499,710
Lynn, Mass	2,841,269	945,535	3,786,804	3,877,775	1,898,500
McKeesport, Pa	1,845,076	339,909	2,184,985	2,356,119	980,535
Macon, Ga	1,997,240	352,449	2,349,689	2,886,116	1,248,170
Madison, Wis	6,860,767	769,347	7,630,114	4,461,813	4,646,200
Malden, Mass	2,695,847	197,097	2,892,944	3,800,093	2,307,250
Manchester, N. H	827,360	231,359	1,058,719	1,940,074	339,625
Mansfield, Ohio	1,668,055	140,819	1,808,874	1,779,555	663,000
Marion, Ind	1,243,660	63,500	1,307,160	521,560	382,000
Marion, Ohio	1,106,345	33,940	1,140,285	557,793	439,900
Medford, Mass	4,324,637	190,196	4,514,833	4,370,512	3,689,450
Memphis, Tenn	12,223,414	2,059,625	14,283,039	12,402,920	6,100,030
Meriden, Conn	1,008,926	259,795	1,268,721	1,316,177	678,200
Miami, Fla	1,262,488	683,575	1,946,063	9,540,937	592,855
Milwaukee, Wis	31,764,594	3,641,787	35,406,381	37,747,895	19,159,269
Minneapolis, Minn	20,057,560	3,200,165	23,257,725	22,429,620	8,377,920
Mobile, Ala	3,158,310	187,508	3,345,818	2,146,241	1,690,456
Moline, Ill	1,458,440	201,335	1,659,775	1,170,010	553,084
Montclair, N. J	4,119,035	524,233	4,643,268	5,446,164	3,673,324
Montgomery, Ala	2,981,098	307,820	3,288,918	2,531,347	1,023,355
Mount Vernon, N. Y	13,650,885	611,564	14,262,449	16,775,452	10,991,935
Muncie, Ind	2,422,019	452,129	2,874,148	3,038,813	1,134,885
Muskegon, Mich	1,533,007	277,328	1,810,335	1,078,668	318,010
Muskogee, Okla	530,330	35,255	565,585	842,567	314,350
Nashville, Tenn	4,893,949	670,694	5,564,643	7,078,073	1,916,074
Newark, N. J	29,391,765	4,893,388	34,285,153	51,451,630	16,655,563
Newark, Ohio	1,038,316	28,600	1,066,916	653,822	338,300
New Bedford, Mass	808,753	286,622	1,095,375	2,166,627	281,100
New Britain, Conn	2,889,608	642,509	3,532,117	4,103,884	1,762,950
New Brunswick, N. J	1,757,670	426,395	2,184,065	2,839,066	807,925
Newburgh, N. Y	989,275	248,692	1,237,967	1,517,651	429,800
New Castle, Pa	1,358,740	107,500	1,466,240	3,037,495	938,825
New Haven, Conn	7,779,394	1,019,000	8,798,394	11,741,379	2,227,300
New London, Conn	1,919,465	269,187	2,188,652	1,801,715	1,453,400
New Orleans, La	9,858,184	2,769,494	12,627,678	15,896,775	5,305,913
Newport, Ky	259,810	167,140	426,950	439,225	185,300
Newport, R. I	564,520	115,545	680,065	906,330	309,300
Newport News, Va	600,111	219,194	819,305	548,015	347,203
New Rochelle, N. Y	10,386,272	847,046	11,233,318	9,735,614	8,639,450
Newton, Mass	10,094,405	707,673	10,802,078	10,138,606	8,986,720
New York City, N. Y	849,962,931	66,708,924	916,671,855	880,333,455	526,470,604
Niagara Falls, N. Y	4,270,153	599,325	4,869,478	4,791,480	2,447,278
Norfolk, Va	3,347,903	491,840	3,839,743	3,346,826	1,984,650
Norristown, Pa	981,025	313,940	1,294,965	1,826,101	574,000
Norwalk, Conn	4,225,963	555,740	4,781,703	3,592,009	2,371,683

[1] Not estimated by Census Bureau.

[2] Estimate as of July 1, 1926.

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REPAIRS, AND FAMILIES PROVIDED FOR, ETC., IN THE CALENDAR YEAR 1928—Con.

City and State	Estimated population, July 1, 1928	Families provided for		Per capita expenditure, 1928				Per capita expenditure for housekeeping dwellings only, 1928
		Number	Ratio per 10,000	For new buildings	For repairs and additions	Total	Rank of city	
Kalamazoo, Mich	56,400	165	29.3	$27.65	$8.43	$36.08	188	$11.36
Kansas City, Kans	118,300	321	27.1	13.21	.75	13.96	275	5.48
Kansas City, Mo	391,000	1,969	50.4	37.70	2.05	39.75	169	19.51
Kearny, N. J	[3] 32,100	857	267.0	190.50	4.25	194.75	9	91.74
Kenosha, Wis	56,500	295	52.2	58.26	7.69	65.95	76	43.97
Kingston, N. Y	[3] 28,400	126	44.4	35.92	25.24	61.15	90	24.05
Knoxville, Tenn	105,400	940	89.2	64.37	3.13	67.50	73	30.24
Kokomo, Ind	40,400	82	20.3	11.36	1.67	13.04	279	8.67
Lakewood, Ohio	65,000	537	82.6	69.42	1.69	71.11	65	33.42
Lancaster, Pa	58,300	154	26.4	26.22	14.75	40.98	159	14.39
Lansing, Mich	79,600	443	55.7	61.80	3.58	65.38	80	25.19
Lawrence, Mass	[3] 93,500	32	3.4	4.57	1.87	6.45	290	1.11
Lebanon, Pa	[3] 25,300	19	7.5	15.93	10.17	26.10	231	3.99
Lewiston, Me	36,600	77	21.0	26.91	.14	27.05	227	4.04
Lexington, Ky	48,700	104	21.4	29.74	3.48	33.21	201	11.77
Lima, Ohio	49,700	19	3.8	5.94	3.20	9.14	286	1.73
Lincoln, Nebr	71,100	497	69.9	48.54	2.71	51.24	126	25.34
Little Rock, Ark	79,200	527	66.5	48.04	5.75	53.79	117	26.25
Long Beach, Calif	[6] 104,200	3,099	297.4	149.78	6.72	156.51	14	82.84
Lorain, Ohio	44,900	227	50.6	24.05	2.18	26.22	230	18.15
Los Angeles, Calif	(1)	21,081						
Louisville, Ky	329,400	1,542	46.8	46.94	8.07	55.01	110	25.05
Lowell, Mass	[4] 110,296	50	4.5	5.72	2.82	8.54	287	1.55
Lynchburg, Va	38,600	114	29.5	23.74	4.58	28.32	219	12.95
Lynn, Mass	105,500	501	47.5	26.93	8.96	35.89	189	18.00
McKeesport, Pa	50,400	203	40.3	36.61	6.74	43.35	151	19.46
Macon, Ga	61,200	321	52.5	32.63	5.76	38.39	175	20.39
Madison, Wis	50,500	542	107.3	135.86	15.23	151.09	16	92.00
Malden, Mass	53,400	718	134.5	50.48	3.69	54.17	115	43.21
Manchester, N. H	85,700	116	13.5	9.65	2.70	12.35	281	3.96
Mansfield, Ohio	[3] 32,500	127	39.1	51.32	4.33	55.66	105	20.40
Marion, Ind	(1)	158						
Marion, Ohio	[3] 33,400	172	51.5	33.12	1.02	34.14	199	13.17
Medford, Mass	52,900	745	140.8	81.75	3.60	85.35	48	69.74
Memphis, Tenn	190,200	1,887	99.2	64.27	10.83	75.09	54	32.07
Meriden, Conn	37,100	137	36.9	27.19	7.00	34.20	197	18.28
Miami, Fla	156,700	124	7.9	8.06	4.36	12.42	280	3.78
Milwaukee, Wis	544,200	4,965	91.2	58.37	6.69	65.06	81	35.21
Minneapolis, Minn	455,900	2,240	49.1	44.00	7.02	51.01	127	18.38
Mobile, Ala	69,600	638	91.7	45.38	2.69	48.07	138	24.29
Moline, Ill	35,600	109	30.6	40.97	5.66	46.62	144	15.54
Montclair, N. J	[3] 33,700	323	95.8	122.23	15.56	137.78	18	109.00
Montgomery, Ala	63,100	726	115.1	47.24	4.88	52.12	122	16.22
Mount Vernon, N. Y	54,700	1,636	299.1	249.56	11.18	260.74	4	200.95
Muncie, Ind	46,800	371	79.3	51.75	9.66	61.41	89	24.25
Muskegon, Mich	46,600	104	22.3	32.90	5.95	38.85	172	6.82
Muskogee, Okla	33,200	116	34.9	15.97	1.06	17.04	265	9.47
Nashville, Tenn	139,600	753	53.9	35.06	4.80	39.86	168	13.73
Newark, N. J	473,600	3,288	69.4	62.06	10.33	72.39	61	35.17
Newark, Ohio	[3] 30,600	108	35.3	33.93	.93	34.87	191	11.06
New Bedford, Mass	[4] 119,539	42	3.5	6.77	2.40	9.16	285	2.35
New Britain, Conn	72,800	327	44.9	39.69	8.83	48.52	137	24.22
New Brunswick, N. J	40,800	210	51.5	43.08	10.45	53.53	120	19.80
Newburgh, N. Y	30,400	74	24.3	32.54	8.18	40.72	161	14.14
New Castle, Pa	52,500	143	27.2	25.88	2.05	27.93	222	17.88
New Haven, Conn	187,900	546	29.1	41.40	5.42	46.82	141	11.85
New London, Conn	[3] 29,700	218	73.4	64.63	9.06	73.69	56	48.94
New Orleans, La	429,400	2,107	49.1	22.96	6.45	29.41	224	12.36
Newport, Ky	(1)	43						
Newport, R. I	[4] 27,757	61	22.0	20.34	4.16	24.50	238	11.14
Newport News, Va	53,300	101	18.9	11.26	4.11	15.37	268	6.51
New Rochelle, N. Y	48,800	1,205	246.9	212.83	17.36	230.19	5	177.04
Newton, Mass	57,300	939	163.9	176.17	12.35	188.52	11	156.84
New York City, N. Y	6,017,500	109,523	182.0	141.25	11.09	152.33	15	87.49
Niagara Falls, N. Y	68,300	506	74.1	62.52	8.77	71.30	62	35.83
Norfolk, Va	184,200	634	34.4	18.18	2.67	20.85	252	10.77
Norristown, Pa	36,200	96	26.5	27.10	8.67	35.77	190	15.86
Norwalk, Conn	[3] 30,100	358	118.9	140.40	18.46	158.86	13	78.79

[4] State census, Jan. 1, 1925. [6] Estimate as of July 1, 1927.

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TABLE 5.—TOTAL AND PER CAPITA EXPENDITURES FOR NEW BUILDINGS AND FOR

City and State	Expenditure for new buildings, 1928	Expenditure for repairs and additions, 1928	Total expenditures		Expenditure for new housekeeping dwellings only, 1928
			1928	1927	
Oakland, Calif	$17,824,002	$1,713,163	$19,537,165	$20,518,417	$8,107,443
Oak Park, Ill	9,074,251	216,244	9,290,495	9,080,676	5,265,455
Ogden, Utah	1,202,325	145,900	1,348,225	1,498,260	476,300
Oklahoma City, Okla	12,267,630	1,254,368	13,521,998	12,682,293	8,709,509
Okmulgee, Okla	227,615	25,350	252,965	262,150	45,550
Omaha, Nebr	8,422,073	628,337	9,050,410	4,567,218	2,257,950
Orange, N. J	2,708,090	398,409	3,106,499	5,581,523	1,306,400
Oshkosh, Wis	686,924	165,922	852,846	1,494,076	539,066
Ottumwa, Iowa	328,450	65,325	393,775	579,900	204,800
Paducah, Ky	527,590	81,015	608,605	356,000	202,735
Pasadena, Calif	5,056,253	893,300	5,949,553	8,965,720	3,347,929
Passaic, N. J	2,573,057	488,461	3,061,518	5,603,448	1,766,650
Paterson, N. J	6,214,664	1,142,027	7,356,691	6,369,917	2,580,513
Pawtucket, R. I	2,430,159	392,430	2,822,589	3,586,765	1,923,850
Peoria, Ill	3,411,295	539,965	3,951,260	3,409,575	2,182,500
Perth Amboy, N. J	910,022	457,337	1,367,359	1,671,872	432,082
Petersburg, Va	416,767	151,861	568,628	279,466	187,650
Philadelphia, Pa	100,023,155	12,202,710	112,225,865	117,590,650	51,432,580
Phoenix, Ariz	5,604,161	372,501	5,976,662	5,645,124	2,146,922
Pittsburgh, Pa	35,223,329	4,150,203	39,373,532	37,111,332	13,270,969
Pittsfield, Mass	1,657,915	155,215	1,813,130	1,650,690	1,117,200
Plainfield, N. J	3,058,148	406,623	3,464,771	5,046,011	2,066,779
Pontiac, Mich	12,637,246	477,980	13,115,226	17,558,296	5,801,365
Port Arthur, Tex	1,646,320	234,916	1,881,236	1,731,380	457,877
Port Huron, Mich	429,450	31,725	461,175	839,065	190,550
Portland, Me	2,218,792	520,094	2,738,886	2,326,783	1,046,350
Portland, Oreg	18,407,440	2,868,530	21,275,970	28,973,455	9,907,285
Portsmouth, Ohio	1,145,200	101,885	1,247,085	1,585,007	615,350
Portsmouth, Va	534,945	153,586	688,531	463,385	242,055
Poughkeepsie, N. Y	1,460,119	204,701	1,664,820	1,147,667	691,550
Providence, R. I	13,172,494	2,831,025	16,003,519	23,132,819	7,190,600
Pueblo, Colo	1,170,983	295,829	1,466,812	1,625,382	911,825
Quincy, Ill	1,096,736	180,221	1,276,957	1,073,321	529,775
Quincy, Mass	6,505,572	364,440	6,870,012	5,231,872	3,695,600
Racine, Wis	4,134,138	283,351	4,417,489	6,391,171	3,109,193
Reading, Pa	2,809,366	998,954	3,808,320	4,614,067	1,507,650
Revere, Mass	1,118,897	108,245	1,227,142	1,602,120	942,545
Richmond, Ind	703,017	237,706	940,723	1,826,139	598,342
Richmond, Va	7,579,286	1,265,595	8,844,881	15,216,203	3,625,166
Roanoke, Va	3,108,331	171,092	3,279,423	2,583,996	1,369,582
Rochester, N. Y	15,683,912	1,936,886	17,620,798	22,589,418	7,960,709
Rockford, Ill	4,281,725	1,454,917	5,736,642	6,553,423	2,721,500
Rock Island, Ill	503,515	1,079,729	1,583,244	1,999,890	453,500
Sacramento, Calif	4,674,424	849,908	5,524,332	8,814,211	3,302,972
Saginaw, Mich	3,871,672	477,913	4,349,585	3,610,783	1,469,116
St. Joseph, Mo	1,878,643	125,975	2,004,618	768,898	374,200
St. Louis, Mo	38,215,329	4,613,166	42,828,495	41,417,221	19,228,980
St. Paul, Minn	7,026,558	1,672,955	8,699,513	10,071,216	4,529,238
St. Petersburg, Fla	1,540,000	306,100	1,846,100	2,907,500	828,100
Salem, Mass	1,323,125	396,560	1,719,685	2,727,080	707,000
Salt Lake City, Utah	3,930,626	1,346,778	5,277,404	4,855,845	2,297,410
San Antonio, Tex	16,732,750	1,567,609	18,300,359	12,190,280	8,661,556
San Diego, Calif	11,310,940	839,198	12,150,138	13,877,153	7,247,101
San Francisco, Calif	33,822,280	3,682,158	37,504,438	46,448,676	19,944,664
San Jose, Calif	2,233,010	308,290	2,541,300	3,554,430	1,301,010
Savannah, Ga	2,010,069	127,065	2,137,134	2,180,050	1,429,665
Schenectady, N. Y	2,962,070	466,410	3,428,480	4,318,270	1,669,500
Scranton, Pa	3,597,993	1,034,250	4,632,243	5,707,115	1,632,495
Seattle, Wash	30,540,015	4,266,960	34,806,975	29,070,080	15,833,350
Sheboygan, Wis	1,596,165	512,554	2,108,719	2,171,940	1,037,400
Shreveport, La	4,039,341	807,084	4,846,425	3,946,370	2,039,914
Sioux City, Iowa	1,966,060	204,380	2,170,440	1,867,575	1,058,750
Sioux Falls, S. Dak	1,843,540	161,185	2,004,725	2,042,505	858,920
Somerville, Mass	1,203,945	220,252	1,424,197	3,385,850	861,300
South Bend, Ind	6,032,415	330,770	6,363,185	4,888,660	2,951,350

[1] Not estimated by Census Bureau.

[2] Estimate as of July 1, 1926.

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REPAIRS, AND FAMILIES PROVIDED FOR, ETC., IN THE CALENDAR YEAR 1928—Con.

City and State	Estimated population, July 1, 1928	Families provided for		Per capita expenditure, 1928				Per capita expenditure for housekeeping dwellings only, 1928
		Number	Ratio per 10,000	For new buildings	For repairs and additions	Total	Rank of city	
Oakland, Calif	274,100	2,430	88.7	$65.03	$6.25	$71.28	63	$29.58
Oak Park, Ill	57,700	745	129.1	157.27	3.75	161.01	12	91.26
Ogden, Utah	39,100	157	40.2	30.75	3.73	34.48	196	12.18
Oklahoma City, Okla	7,104,080	2,637	253.4	117.87	12.05	129.92	21	83.68
Okmulgee, Okla	(1)	15						
Omaha, Nebr	222,800	412	18.5	37.80	2.82	40.62	163	10.13
Orange, N. J	36,500	281	77.0	74.19	10.92	85.11	49	35.79
Oshkosh, Wis	33,200	155	46.7	20.69	5.00	25.69	234	16.24
Ottumwa, Iowa	[2] 27,400	38	13.9	11.99	2.38	14.37	273	7.47
Paducah, Ky	[2] 26,100	94	36.0	20.21	3.10	23.32	241	7.77
Pasadena, Calif	62,100	600	96.6	81.42	14.38	95.80	41	53.91
Passaic, N. J	71,800	351	48.9	35.84	6.80	42.64	153	24.61
Paterson, N. J	144,900	748	51.6	42.89	7.88	50.77	129	17.81
Pawtucket, R. I	73,100	455	62.2	33.24	5.37	38.61	173	26.32
Peoria, Ill	84,500	437	51.7	40.37	6.39	46.76	142	25.83
Perth Amboy, N. J	50,100	104	20.8	18.16	9.13	27.29	225	8.62
Petersburg, Va	37,800	48	12.7	11.03	4.02	15.04	269	4.96
Philadelphia, Pa	2,064,200	10,576	51.2	48.46	5.91	54.37	113	24.92
Phoenix, Ariz	[2] 42,100	748	177.7	133.12	8.85	141.96	17	51.00
Pittsburgh, Pa	673,800	2,544	37.8	52.28	6.16	58.44	96	19.70
Pittsfield, Mass	50,000	211	42.2	33.16	3.10	36.26	187	22.34
Plainfield, N. J	[2] 32,500	311	95.7	94.10	12.51	106.61	30	63.59
Pontiac, Mich	61,500	1,735	282.1	205.48	7.77	213.26	7	94.33
Port Arthur, Tex	[2] 33,000	210	63.6	49.89	7.12	57.01	99	13.88
Port Huron, Mich	[2] 30,700	71	23.1	13.99	1.03	15.02	270	6.21
Portland, Me	78,600	261	33.2	28.23	6.62	34.85	192	13.31
Portland, Oreg	(1)	2,321						
Portsmouth, Ohio	41,200	169	41.0	27.80	2.47	30.27	214	14.94
Portsmouth, Va	61,600	85	13.8	8.68	2.49	11.18	284	3.93
Poughkeepsie, N. Y	39,100	96	24.6	37.34	5.24	42.58	154	17.69
Providence, R. I	286,300	1,134	39.6	46.01	9.89	55.90	103	25.12
Pueblo, Colo	44,200	372	84.2	26.49	6.69	33.19	202	20.63
Quincy, Ill	39,800	133	33.4	27.56	4.53	32.08	205	13.31
Quincy, Mass	67,600	977	144.5	96.24	5.39	101.63	33	54.67
Racine, Wis	74,400	681	91.5	55.57	3.81	59.37	95	41.79
Reading, Pa	115,400	263	22.8	24.34	8.66	33.00	203	13.06
Revere, Mass	36,000	247	68.6	31.08	3.01	34.09	200	26.14
Richmond, Ind	[2] 31,000	153	49.4	22.68	7.67	30.35	213	19.30
Richmond, Va	194,400	764	39.3	38.99	6.51	45.50	146	18.65
Roanoke, Va	64,600	364	56.3	48.12	2.65	50.77	130	21.20
Rochester, N. Y	328,200	1,862	56.7	47.79	5.90	53.69	118	24.26
Rockford, Ill	82,800	779	94.1	51.71	17.57	69.28	68	32.87
Rock Island, Ill	42,700	146	34.2	11.79	25.29	37.08	182	10.62
Sacramento, Calif	75,700	917	121.1	61.75	11.23	72.98	60	43.63
Saginaw, Mich	75,600	577	76.3	51.21	6.32	57.53	97	19.43
St. Joseph, Mo	78,500	98	12.5	23.93	1.60	25.54	235	4.77
St. Louis, Mo	848,100	7,190	84.8	45.06	5.44	50.50	131	22.67
St. Paul, Minn	[6] 250,100	773	30.9	28.09	6.69	34.78	194	18.11
St. Petersburg, Fla	53,300	172	32.3	28.89	5.74	34.64	195	15.54
Salem, Mass	43,000	120	27.9	30.77	9.22	39.99	166	16.44
Salt Lake City, Utah	138,000	731	53.0	28.48	9.76	38.24	176	16.65
San Antonio, Tex	218,100	2,784	127.6	76.72	7.19	83.91	50	39.71
San Diego, Calif	119,700	2,146	179.3	94.49	7.01	101.50	34	60.54
San Francisco, Calif	585,300	6,084	103.9	57.79	6.29	64.08	85	34.08
San Jose, Calif	45,500	370	81.3	49.08	6.78	55.85	104	28.59
Savannah, Ga	99,900	430	43.0	20.12	1.27	21.39	246	14.31
Schenectady, N. Y	93,300	269	28.8	31.75	5.00	36.75	183	17.89
Scranton, Pa	144,700	292	20.2	24.87	7.15	32.01	206	11.28
Seattle, Wash	383,200	4,658	121.6	79.70	11.14	90.83	44	41.39
Sheboygan, Wis	35,100	188	53.6	45.47	14.60	60.08	92	29.58
Shreveport, La	81,300	713	87.7	49.68	9.93	59.61	94	25.06
Sioux City, Iowa	80,000	282	35.3	24.58	2.55	27.13	226	13.29
Sioux Falls, S. Dak	[2] 31,200	211	67.6	59.09	5.17	64.25	84	27.53
Somerville, Mass	102,700	199	19.4	11.72	2.14	13.87	276	8.33
South Bend, Ind	86,100	579	67.2	70.06	3.84	73.90	55	34.22

[6] Estimate of July 1, 1927.

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TABLE 5.—TOTAL AND PER CAPITA EXPENDITURES FOR NEW BUILDINGS AND FOR

City and State	Expenditure for new buildings, 1928	Expenditure for repairs and additions, 1928	Total expenditures		Expenditure for new housekeeping dwellings only, 1928
			1928	1927	
Spokane, Wash	$4,879,063	$857,715	$5,736,778	$3,656,500	$2,244,025
Springfield, Ill	3,319,125	420,028	3,739,153	3,770,303	1,929,900
Springfield, Mass	4,956,324	1,020,475	5,976,799	8,905,819	2,776,050
Springfield, Mo	1,366,035	249,620	1,615,655	(3)	677,275
Springfield, Ohio	1,407,564	149,203	1,556,767	1,693,927	987,550
Stamford, Conn	4,009,610	1,185,668	5,195,278	6,042,716	2,244,550
Steubenville, Ohio	1,151,595	41,815	1,193,410	1,856,435	708,000
Stockton, Calif	1,411,142	363,724	1,774,866	2,803,347	809,210
Superior, Wis	1,665,705	186,447	1,852,152	1,277,019	551,850
Syracuse, N. Y	11,861,603	1,358,826	13,220,429	21,990,371	8,000,200
Tacoma, Wash	4,026,470	633,945	4,660,415	4,764,728	2,546,000
Tampa, Fla	3,042,030	575,024	3,617,054	6,145,201	1,620,260
Taunton, Mass	768,247	114,250	882,497	1,055,999	215,300
Terre Haute, Ind	605,195	368,292	973,487	1,212,771	336,050
Toledo, Ohio	14,463,296	2,882,899	17,346,195	15,513,710	6,658,125
Topeka, Kans	1,832,950	158,564	1,991,514	2,222,196	1,187,550
Trenton, N. J	3,314,867	791,054	4,105,921	4,539,632	1,172,100
Troy, N. Y	1,061,600	262,064	1,323,664	3,206,057	786,750
Tucson, Ariz	2,726,395	168,996	2,895,391	2,322,550	1,102,972
Tulsa, Okla	12,697,207	713,844	13,411,051	14,791,854	7,613,800
Union City, N. J	749,085	371,671	1,120,756	3,409,526	326,300
Utica, N. Y	3,475,465	441,505	3,916,970	3,381,105	2,140,100
Vallejo, Calif	372,488	69,359	441,847	492,898	182,950
Waco, Tex	1,997,020	294,319	2,291,339	1,573,641	631,003
Waltham, Mass	2,285,970	191,085	2,477,055	2,217,925	1,744,300
Warren, Ohio	1,667,940	143,680	1,811,620	1,425,474	1,084,830
Washington, D. C	50,284,426	3,690,553	53,974,979	39,263,477	29,601,350
Waterbury, Conn	2,944,450	543,850	3,488,300	5,015,638	1,963,500
Waterloo, Iowa	2,460,584	261,610	2,722,194	1,151,981	848,700
Watertown, Mass	2,729,425	94,670	2,824,095	4,281,230	2,246,800
Watertown, N. Y	931,030	221,419	1,152,449	756,204	278,800
West New York, N. J	1,272,875	355,510	1,628,385	1,685,293	577,000
Wheeling, W. Va	1,331,806	635,682	1,967,488	3,014,131	641,280
White Plains, N. Y	12,093,064	539,142	12,632,206	10,125,792	6,365,600
Wichita, Kans	7,323,978	650,243	7,974,221	5,848,942	3,976,615
Wichita Falls, Tex	1,315,400	596,012	1,911,412	4,050,687	900,788
Wilkes-Barre, Pa	3,233,464	662,881	3,896,345	4,934,339	753,540
Wilkinsburg, Pa	1,810,556	105,005	1,915,561	1,932,390	1,009,095
Williamsport, Pa	1,733,765	347,175	2,080,940	2,732,695	730,090
Wilmington, Del	4,447,657	1,129,452	5,577,109	6,805,900	2,307,463
Wilmington, N. C	592,500	156,000	748,500	552,125	222,000
Winston-Salem, N. C	8,001,722	529,306	8,531,028	6,539,187	3,597,360
Woonsocket, R. I	464,470	454,073	918,543	1,360,179	271,300
Worcester, Mass	5,772,236	1,488,084	7,260,320	8,814,669	2,509,535
Yonkers, N. Y	34,373,299	1,245,525	35,618,824	32,585,888	29,553,210
York, Pa	1,347,932	717,117	2,065,049	1,588,854	575,300
Youngstown, Ohio	8,108,260	529,415	8,637,675	9,007,160	5,043,935
Zanesville, Ohio	475,276	72,788	548,064	1,021,100	372,785
Total	3,098,940,040	324,644,421	3,423,584,461	3,593,839,405	1,762,452,315

[1] Not estimated by Census Bureau. [2] Estimated as of July 1, 1926.

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REPAIRS, AND FAMILIES PROVIDED FOR, ETC., IN THE CALENDAR YEAR 1928—Con.

City and State	Estimated population, July 1, 1928	Families provided for		Per capita expenditure, 1928				Per capita expenditure for housekeeping dwellings only, 1928
		Number	Ratio per 10,000	For new buildings	For repairs and additions	Total	Rank of city	
Spokane, Wash	109,100	574	52.6	$44.72	$7.86	$52.58	119	$20.57
Springfield, Ill	67,200	352	52.4	49.39	6.25	55.64	106	28.72
Springfield, Mass	149,800	647	43.2	33.09	6.81	39.90	167	18.53
Springfield, Mo	51,700	305	59.0	26.42	4.83	31.25	211	13.10
Springfield, Ohio	73,000	315	43.2	19.28	2.04	21.33	247	13.53
Stamford, Conn	43,800	331	75.6	91.54	27.07	118.61	23	51.25
Steubenville, Ohio	[2] 32,600	191	58.6	35.33	1.28	36.61	185	21.72
Stockton, Calif	51,000	226	44.3	27.67	7.13	34.80	193	15.87
Superior, Wis	(1)	136						
Syracuse, N. Y	199,300	1,561	78.3	59.52	6.82	66.33	75	40.14
Tacoma, Wash	110,500	822	74.4	36.44	5.74	42.18	156	23.04
Tampa, Fla	113,400	647	57.1	26.83	5.07	31.90	207	14.29
Taunton, Mass	40,600	60	14.8	18.92	2.81	21.74	245	5.30
Terre Haute, Ind	73,500	113	15.4	8.23	5.01	13.24	278	4.57
Toledo, Ohio	313,200	1,698	54.2	46.18	9.20	55.38	108	21.26
Topeka, Kans	62,800	304	48.4	29.19	2.52	31.71	209	18.91
Trenton, N. J	139,000	223	16.0	23.85	5.69	29.54	217	8.43
Troy, N. Y	72,300	157	21.7	14.68	3.62	18.31	259	10.88
Tucson, Ariz	[2] 27,500	336	122.2	99.14	6.15	105.29	31	40.11
Tulsa, Okla	170,500	2,187	128.3	74.47	4.19	78.66	52	44.66
Union City, N. J	64,400	84	13.0	11.63	5.77	17.40	263	5.07
Utica, N. Y	104,200	342	32.8	33.35	4.24	37.59	179	20.54
Vallejo, Calif	(1)	43						
Waco, Tex	46,600	177	38.0	42.85	6.32	49.17	135	13.54
Waltham, Mass	37,100	362	97.6	61.62	5.15	66.77	74	47.02
Warren, Ohio	[2] 36,100	306	84.8	46.20	3.98	50.18	132	30.05
Washington, D. C	552,000	4,305	78.0	91.09	6.69	97.78	37	53.63
Waterbury, Conn	(1)	504						
Waterloo, Iowa	37,100	270	72.8	66.32	7.05	73.37	58	22.88
Watertown, Mass	[2] 26,400	454	172.0	103.39	3.59	106.97	28	85.11
Watertown, N. Y	33,700	53	15.7	27.63	6.57	34.20	198	8.27
West New York, N. J	[2] 41,000	170	41.5	31.05	8.67	39.72	170	14.07
Wheeling, W. Va	(1)	125						
White Plains, N. Y	[2] 28,700	856	298.3	421.36	18.79	440.15	1	221.80
Wichita, Kans	99,300	1,207	121.6	73.76	6.55	80.30	51	40.05
Wichita Falls, Tex	(1)	222						
Wilkes-Barre, Pa	91,900	174	18.9	35.18	7.21	42.40	155	8.20
Wilkinsburg, Pa	[2] 28,000	90	32.1	64.66	3.75	68.41	70	36.04
Williamsport, Pa	44,000	169	38.4	39.40	7.89	47.29	140	16.59
Wilmington, Del	128,500	365	28.4	34.61	8.79	43.40	150	17.96
Wilmington, N. C	39,100	64	16.4	15.15	3.99	19.14	256	5.68
Winston-Salem, N. C	80,000	965	120.6	100.02	6.62	106.64	29	44.97
Woonsocket, R. I	53,400	79	14.8	8.70	8.50	17.20	264	5.08
Worcester, Mass	197,600	474	24.0	29.21	7.53	36.74	184	12.70
Yonkers, N. Y	121,300	4,216	347.6	283.37	10.27	293.64	2	243.64
York, Pa	49,900	144	28.9	27.01	14.37	41.38	158	11.53
Youngstown, Ohio	174,200	929	53.3	46.55	3.04	49.58	134	28.95
Zanesville, Ohio	[2] 30,600	138	45.1	15.53	2.38	17.91	262	12.18
Total	44,940,049	399,657	88.9	68.96	7.22	76.18		39.22

[2] Data not collected.

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Expenditures for Building Operations in Representative Cities, 1921 to 1928

DATA have been collected since 1921 concerning the amount expended for building operations in 257 identical cities. The information was obtained from the record of permits issued by the local building officials of the different cities. The costs are the estimated costs given by the prospective builder at the time of applying for his permit. The cost of the building only is included. The total expenditure for new buildings was less in these cities during 1928 than for any year since 1922 and fell below $3,000,000,000 for the first time since that year. Table 6 below shows the estimated expenditures for residential buildings, nonresidential buildings, and total new buildings; the population as estimated by the Census Bureau as of July 1 each year; the number of families provided for; the ratio of families provided for to each 10,000 of population; the index number of each of these items; and the index number of families provided for weighted by population.

TABLE 6.—ESTIMATED EXPENDITURES AND INDEX NUMBERS OF EXPENDITURES FOR NEW RESIDENTIAL BUILDINGS, NONRESIDENTIAL BUILDINGS, AND TOTAL NEW BUILDINGS; ALSO FAMILIES PROVIDED FOR AND RATIO OF FAMILIES PROVIDED FOR TO EACH 10,000 OF POPULATION IN 257 IDENTICAL CITIES IN 1921 TO 1928, INCLUSIVE

Year	Residential buildings		Nonresidential buildings		Total new buildings	
	Estimated expenditure	Index number	Estimated expenditure	Index number	Estimated expenditure	Index number
1921	$937,352,739	100.0	$635,775,199	100.0	$1,573,127,938	100.0
1922	1,612,352,921	172.0	876,276,713	137.8	2,488,629,634	158.2
1923	2,000,986,900	213.5	1,070,596,718	168.4	3,071,583,618	195.3
1924	2,070,276,772	220.9	1,137,631,080	178.9	3,207,907,852	203.9
1925	2,461,546,270	262.6	1,343,880,884	211.4	3,805,427,154	241.9
1926	2,255,994,627	240.7	1,300,840,876	204.6	3,556,835,503	226.1
1927	1,906,003,260	203.3	1,231,785,870	193.7	3,137,789,130	199.5
1928	1,859,429,751	198.4	1,135,549,986	178.6	2,994,979,737	190.4

Year	Population		Families provided for			
	As estimated by Census Bureau for specified year	Index number	Number	Index number	Ratio to each 10,000 of population	Index number weighted by population
1921	36,575,118	100.0	224,545	100.0	61.4	100.0
1922	37,511,516	102.6	377,305	168.0	100.6	163.7
1923	38,447,913	105.1	453,673	202.0	118.0	192.2
1924	39,384,311	107.7	442,919	197.3	112.5	183.2
1925	40,320,708	110.2	491,222	218.8	121.8	198.4
1926	41,257,106	112.8	462,214	205.8	112.0	182.4
1927	42,058,897	115.0	406,095	180.9	96.6	157.3
1928	42,767,125	116.9	388,678	173.1	90.9	148.1

The peak expenditure for new buildings was reached in 1925, when $3,805,427,154 was expended for building operations, according to permits issued in these 257 cities. The expenditure for 1928 was nearly a billion dollars less than the 1925 peak. Each year since

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1925 has shown a decrease in amount expended for new buildings over the preceding year. The 1928 expenditure was 21.3 per cent less than the 1925 expenditure, but was 90.4 per cent above the expenditure for 1921.

Expenditures for residential and nonresidential buildings each reached a peak in 1925. The amount expended for residential buildings that year was $2,461,546,270. During 1928 the expenditure for residential buildings was $1,859,429,751, which was 24.5 per cent less than the 1925 expenditure, but was 98.4 per cent above the expenditure for 1921. The expenditure for nonresidential buildings during 1925 was $1,343,880,884 and during 1928 it was $1,135,549,986. That is, during 1928 15.5 per cent less was expended for nonresidential buildings than during 1925 or 78.6 per cent more than during 1921.

The population of these 257 cities on July 1, 1921, was 36,575,118 according to the estimate of the Census Bureau and by July 1, 1928, it had risen to 42,767,125, or 16.9 per cent above the 1921 population.

During 1925 housing units were provided for 491,222 families. This is the record year in regard to families provided for. During 1928 only 388,678 families were provided with dwelling places in new buildings, this being 20.9 per cent less than the number accommodated during 1925 and 73.1 per cent more than those provided for during 1921.

In 1921 there were 61.4 families provided for to each 10,000 of population. By 1925 this ratio had risen to 121.8 but in 1928 had fallen to 90.9. The index number of families provided for weighted by population reached a peak of 198.4 in 1925 and then declined steadily each year until it stood at 148.1 in 1928.

Average Estimated Cost of Dwellings per Family

TABLE 7 shows the average cost each year, 1921 to 1928, of dwelling accommodations per family in each of the different kinds of dwellings for which permits were issued in the 257 identical cities from which reports were received every year.

The costs from which these averages were computed are the costs of the building as stated by the prospective builder at the time of applying for his permit to build. Land costs are not included. There may be a profit or loss between the cost to the builder and the cost to the home purchaser.

TABLE 7.—AVERAGE COST OF DWELLINGS PER FAMILY IN 257 IDENTICAL CITIES, 1921 TO 1928

Year	Average cost of dwellings per family [1] in—				Index numbers of cost of dwellings per family in—			
	One-family dwellings	Two-family dwellings [2]	Multi-family dwellings [3]	All classes of dwellings	One-family dwellings	Two-family dwellings [2]	Multi-family dwellings [3]	All classes of dwellings
1921	$3,972	$3,762	$4,019	$3,947	100.0	100.0	100.0	100.0
1922	4,134	3,801	3,880	4,005	104.1	101.0	96.5	101.5
1923	4,203	4,159	4,001	4,127	105.8	110.6	99.6	104.6
1924	4,317	4,336	4,418	4,352	108.7	115.3	109.9	110.3
1925	4,618	4,421	4,289	4,464	116.3	117.5	106.7	113.1
1926	4,725	4,480	4,095	4,422	119.0	119.1	101.9	112.0
1927	4,830	4,368	4,170	4,449	121.6	116.1	103.8	112.7
1928	4,937	4,064	4,129	4,407	124.3	108.0	102.7	111.7

[1] Buildings only; see text above.
[2] Includes one-family and two-family dwellings with stores.
[3] Includes multifamily dwellings with stores.

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The average cost of the 1-family dwellings for which permits were issued has advanced nearly a thousand dollars between 1921 and 1928. In 1921 the average cost of the separate dwelling was $3,972, while in 1928 it was $4,937. There has been a steady increase each year over the preceding year. The average cost of the 1-family dwellings for which permits were issued in 1928 was 24.3 per cent higher than the average cost of those for which permits were issued during 1921.

The average cost of 2-family dwellings was $3,762 per family in 1921. This rose steadily until a peak of $4,480 per family, or 19.1 per cent above the 1921 cost, was reached in 1926. In 1928 the average cost of 2-family dwellings was $4,064 per family. This is 8 per cent above the 1921 cost.

The average cost per family provided for in apartment houses was lowest in 1922, the cost being $3,880 per family that year. By 1924 the average cost had risen to $4,418 per family. In this year average expenditure per family provided for was higher in apartment houses than in single-family dwellings. In 1925 and 1926 the per family cost of multi-family dwellings declined, climbed slightly in 1927, and again sank in 1928, the 1928 cost being $4,129 per family, or only 2.7 per cent higher than the 1921 cost.

The average cost per family of all dwelling units in new buildings was $3,947 in 1921. In 1925 a peak cost of $4,464 was reached. The cost in 1928 was $4,407, which was an increase of 11.7 per cent over the 1921 per family cost.

The Bureau of Labor Statistics collects monthly the wholesale prices of building material and from such figures computes index numbers. Retail prices as paid by builders are not avaliable, but it is believed that the trend of retail prices follows closely the trend of wholesale prices. The index number of wholesale prices shown in Table 3 differs from that previously shown because of a different weighting for the different building materials.

The index numbers shown in Table 8 for wages in the building trades are wage rates for union labor only. In many cities the building trades are highly organized, while in others there is much nonunion labor. The bureau has no data concerning wages of nonunion labor in the building trades. It is thought, however, that the trend of wages of nonunion labor would follow closely that of union labor.

The price of building material reached a peak of 111.6 in 1923 and fell to a low of 95.8 in 1927. The 1928 price stood at 96.2. Union wage rates reached their highest point, 129, in 1928, rising from the low of 93.4 in 1922.

TABLE 8.—INDEX NUMBER OF WHOLESALE PRICES OF BUILDING MATERIAL AND OF UNION WAGE RATES IN THE BUILDING TRADES, 1921 to 1928

Year	Index numbers for		Year	Index numbers for	
	Wholesale prices of building material	Union wage rates per hour in the building trades		Wholesale prices of building material	Union wage rates per hour in the building trades
1921	100.0	100.0	1925	104.4	116.3
1922	99.9	93.4	1926	102.7	124.0
1923	111.6	103.6	1927	95.8	128.5
1924	105.0	112.2	1928	96.2	129.0

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Apartment House Construction in American Cities, 1928

THERE is no abatement of the trend toward apartment houses as dwelling places in the cities of the United States. Figures taken from permits issued in 257 cities in the United States having a population of 25,000 or over show that the popularity of the multifamily dwelling is still growing. A multifamily dwelling is one designed to accommodate three or more families. The term is equivalent to the more generally used appellations "apartment house" or "tenement house."

Reports have been received from 257 identical cities continuously since 1921 showing the number of families provided for and the class of dwelling with which they were provided. This information is shown below in Table 9.

In 1928 homes were provided in new buildings for 388,678 families; 53.7 per cent of these were in apartment houses; 35.2 per cent in 1-family dwellings, and 11.1 per cent in 2-family dwellings. This is the first year since the compilation of these data by the bureau that more than half of the families provided for in new buildings were housed in apartment houses. In new construction in 1921 only 24.4 per cent of all families provided for were housed in apartment houses, and 58.3 per cent in 1-family dwellings.

TABLE 9.—PER CENT OF FAMILIES PROVIDED FOR IN THE DIFFERENT KINDS OF DWELLINGS IN 257 IDENTICAL CITIES, 1921 TO 1928, INCLUSIVE

Year	Number of families provided for in all classes of dwellings	Per cent of families provided for in—			Year	Number of families provided for in all classes of dwellings	Per cent of families provided for in—		
		One-family dwellings	Two-family dwellings [1]	Multi-family dwellings [2]			One-family dwellings	Two-family dwellings [1]	Multi-family dwellings [2]
1921	224,545	58.3	17.3	24.4	1925	491,222	46.0	17.5	36.4
1922	377,305	47.5	21.3	31.2	1926	462,214	40.7	13.9	45.4
1923	453,673	45.8	21.2	33.0	1927	406,095	38.3	13.4	48.3
1924	442,919	47.6	21.5	30.9	1928	388,678	35.2	11.1	53.7

[1] Includes 1-family and 2-family dwellings with stores combined.
[2] Includes multi-family dwellings with stores combined.

This is the third consecutive year that more family units have been provided in apartment houses than in 1-family dwellings. Just what effect this change in the type of dwelling will have on the social, economic, and political life of the country is hard to determine. That it will have its impress on the character and life of the people is an undoubted fact. Few apartment-house dwellers are home owners. As has been pointed out before by the bureau, apartment-house construction is changing the character of building labor by giving more opportunity for work to certain trades, namely, structural-iron workers, concrete workers, marble and stone cutters, etc., and less to other trades, especially carpenters.

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Comparison of Conditions in Cities of Over 500,000

In the 14 cities of the United States which have a population of 500,000 or over 67.2 per cent of the families provided for in 1928 were housed in apartment houses, 22.1 per cent in 1-family dwellings, and 10.7 per cent in 2-family dwellings. In 1927 the same classes of dwellings housed 60.8 per cent, 25.8 per cent, and 13.4 per cent, respectively. These 14 cities provided for 236,113 families in 1927 and 232,681 families in 1928, as shown in Table 10.

Data are shown in this table for New York as an entity and for each of the five boroughs separately. Chicago provided for a larger portion of families in apartment houses than any other city, 80.7 per cent of the total housing units in new dwellings being in this class of building in 1928 as compared with 12.2 per cent in 1-family dwellings.

The per cent of families housed in new apartment houses in New York practically equaled that of Chicago, 80.3 per cent of the new housing units being in apartment houses and 12.4 per cent in 1-family dwellings.

There was a great difference, however, in the class of homes provided in the different boroughs. In Manhattan 99.9 per cent of new housing units were in apartment houses and only one-tenth of 1 per cent in 1-family dwellings. In the borough of Richmond 60.3 per cent were in 1-family dwellings and only 23.3 per cent in apartment houses.

Baltimore built a larger proportion of 1-family dwellings than any other city in this population group, but even in Baltimore there was an increase in the percentage of families provided for in apartment houses in 1928 as compared with 1927. Detroit and San Francisco were the only cities in the United States having a population of 500,000 or over where a larger percentage of the families provided for in new buildings were housed in 1-family dwellings in 1928 than in 1927. In 1927 there were 15,614 families provided for in new buildings in Detroit; of this number 35.9 per cent were accommodated in 1-family dwellings. In 1928 of the 15,929 families provided for, 42.7 per cent were housed in 1-family dwellings.

Boston, Buffalo, Cleveland, Detroit, and Milwaukee built large numbers of 2-family houses.

TABLE 10.—PER CENT OF FAMILIES PROVIDED FOR BY THE DIFFERENT TYPES OF DWELLINGS IN CITIES HAVING A POPULATION OF 500,000 OR OVER IN 1921, 1927, AND 1928

City, State, and year	Total number of families provided for	Per cent of families provided for in—			City, State, and year	Total number of families provided for	Per cent of families provided for in—		
		One-family dwellings	Two-family dwellings [1]	Multifamily dwellings [2]			One-family dwellings	Two-family dwellings [1]	Multifamily dwellings [2]
Baltimore, Md.:					Buffalo, N. Y.:				
1921	2,176	85.0	4.5	10.5	1921	2,405	51.6	48.0	0.4
1927	3,546	94.4	0.2	5.4	1927	3,373	34.2	36.7	29.1
1928	2,884	86.4	-------	13.6	1928	3,181	22.1	44.5	33.4
Boston, Mass.:					Chicago, Ill.:				
1921	878	15.5	30.5	54.0	1921	12,252	37.9	17.6	44.6
1927	5,316	10.3	32.2	57.5	1927	41,201	13.6	10.2	76.2
1928	6,805	9.5	28.0	62.5	1928	34,447	12.2	7.1	80.7

[1] Includes 1-family and 2-family dwellings with stores combined.
[2] Includes multifamily dwellings with stores combined.

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TABLE 10.—PER CENT OF FAMILIES PROVIDED FOR BY THE DIFFERENT TYPES OF DWELLINGS IN CITIES HAVING A POPULATION OF 500,000 OR OVER IN 1921, 1927, AND 1928—Continued

City, State, and year	Total number of families provided for	Per cent of families provided for in—		
		One-family dwellings	Two-family dwellings	Multi-family dwellings
Cleveland, Ohio:				
1921	4,084	35.5	40.5	24.0
1927	3,631	43.9	30.7	25.5
1928	3,167	42.8	21.7	35.5
Detroit, Mich.:				
1921	6,743	46.9	17.9	35.2
1927	15,614	35.9	26.6	37.5
1928	15,929	42.7	28.4	28.9
Los Angeles, Calif.:				
1921	19,572	68.0	16.9	15.2
1927	20,801	39.5	8.7	51.8
1928	21,081	31.3	10.0	58.8
Milwaukee, Wis.:				
1921	2,212	44.9	38.2	16.9
1927	4,252	30.9	26.7	42.4
1928	4,965	19.7	22.3	58.0
New York City, N. Y.:				
1921	51,360	31.6	24.2	44.2
1927	105,519	15.9	13.3	70.9
1928	109,523	12.4	7.2	80.3
Bronx—				
1921	14,037	11.7	11.9	76.4
1927	30,025	4.0	8.5	87.5
1928	33,768	3.8	3.4	92.8
Brooklyn—				
1921	16,636	24.1	44.0	31.9
1927	33,172	11.6	17.5	71.0
1928	28,938	9.1	12.5	78.4
Queens—				
1921	13,256	60.0	24.4	15.6
1927	31,205	33.4	17.1	49.5
1928	28,797	29.4	9.8	60.8
Manhattan—				
1921	4,837	0.7	3.7	95.5
1927	9,502	(3)	(3)	99.9
1928	15,983	0.1	0.1	99.9
New York City, N. Y.—Contd.				
Richmond—				
1921	2,594	100.0	-------	-------
1927	1,615	77.9	20.6	1.5
1928	2,037	60.3	16.4	23.3
Philadelphia, Pa.:				
1921	2,406	93.3	-------	6.7
1927	12,197	71.2	3.3	25.5
1928	10,576	69.2	7.3	23.4
Pittsburgh, Pa.:				
1921	1,335	59.3	26.8	13.9
1927	2,588	73.8	7.6	18.7
1928	2,544	62.4	10.2	27.4
St. Louis, Mo.:				
1921	2,072	49.0	24.1	26.8
1927	5,463	29.1	16.8	54.1
1928	7,190	23.4	18.7	57.9
San Francisco, Calif.:				
1921	2,683	37.6	17.0	45.4
1927	8,674	31.1	9.5	59.3
1928	6,084	36.2	5.7	58.1
Washington, D. C.:				
1921	2,195	75.4	-------	24.6
1927	3,938	47.3	0.5	52.2
1928	4,305	30.4	0.7	68.9
Total (14 cities):				
1921	112,373	44.2	21.7	34.0
1927	236,113	25.8	13.4	60.8
1928	232,681	22.1	10.7	67.2

[3] Less than one-tenth of 1 per cent.

Comparison of Conditions in Cities of Under 500,000

IN TABLE 11 are shown cities having a population of 25,000 or over which provided for 200 or more families in either 1927 or 1928. The table shows figures for 1921, 1927, and 1928, where data are available for these three years. When the information is not available for 1921 it is shown for the earliest year for which data were collected. A few of the smaller cities, which have reached a population of 25,000 since 1920, are shown for 1927 and 1928 only.

Most of the cities having a population of 500,000 or less built most of their new family housing units in 1-family dwellings. There are some exceptions, however, even in cities having a population of less than 100,000. In Mount Vernon, N. Y., for instance, 83.7 per cent of the family units built in 1927 and 77 per cent of those built in 1928 were in apartment houses. The Bureau of the Census estimated the population of Mount Vernon to be 54,700 on July 1, 1928. Evanston, Ill., with a population of 47,600, accommodated 70.5 per cent of the families provided for in 1927 and 75.6 per cent of those provided for in 1928 in apartment houses.

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In most of the cities which might be classed as suburbs of larger cities the majority of the family units provided were in apartment houses in 1927 and 1928. Among cities in this class are Yonkers, N. Y.; White Plains, N. Y.; Elizabeth, N. J.; East Cleveland, Ohio; Cambridge, Mass.; and Highland Park, Mich. In the last-named city only one-half of 1 per cent of the family units for which permits were issued in 1927 and only 2.6 per cent of those for which permits were issued in 1928 were 1-family dwellings.

Albany, N. Y.; Bethlehem, Pa.; Bridgeport, Conn.; Medford, Mass.; New Britain, Conn.; and Pawtucket, R. I., were large builders of 2-family dwellings.

Richmond, Ind., was the only city where no apartment houses were built in any of the three years for which data are shown.

TABLE 11.—PER CENT OF FAMILIES PROVIDED FOR BY THE DIFFERENT KINDS OF DWELLINGS IN CITIES HAVING A POPULATION OF FROM 25,000 TO 500,000 IN SPECIFIED YEARS

City, State, and year	Total number of families provided for	Per cent of families provided for in—		
		1-family dwellings	2-family dwellings [1]	Multifamily dwellings [2]
Akron, Ohio:				
1921	234	100.0	-------	-------
1927	2,521	83.9	3.4	12.7
1928	2,557	80.2	5.9	13.8
Alameda, Calif.:				
1921	152	88.2	11.8	-------
1927	239	81.2	5.4	13.4
1928	504	33.7	.8	65.5
Albany, N. Y.:				
1921	302	59.3	39.7	1.0
1927	558	48.9	44.6	6.5
1928	615	48.8	28.9	22.3
Allentown, Pa.:				
1921	102	90.2	2.0	7.8
1927	681	74.9	1.9	23.1
1928	556	86.7	1.3	12.1
Altoona, Pa.:				
1921	91	93.4	6.6	-------
1927	282	92.6	.4	7.1
1928	155	96.1	3.9	-------
Anderson, Ind.:				
1921	37	100.0	-------	-------
1927	456	72.4	1.5	26.1
1928	268	92.5	1.5	6.0
Asheville, N. C.:				
1921	374	97.1	2.1	.8
1927	449	70.4	1.1	28.5
1928	370	69.7	2.2	28.1
Atlanta, Ga.:				
1921	1,614	78.1	3.3	18.6
1927	2,563	54.1	20.6	25.3
1928	3,170	41.6	14.2	44.2
Atlantic City, N. J.:				
1921	366	51.9	27.9	20.2
1927	248	25.8	33.9	40.3
1928	57	64.9	19.3	15.8
Augusta, Ga.: 1928	318	81.4	9.7	8.8
Aurora, Ill.:				
1921	126	100.0	-------	-------
1927	418	85.7	1.9	12.4
1928	301	87.7	1.3	11.0
Battle Creek, Mich.:				
1921	127	92.1	1.6	6.3
1927	268	91.8	5.2	3.0
1928	177	92.1	5.6	2.3
Bayonne, N. J.:				
1921	274	56.9	28.1	15.0
1927	344	2.3	39.5	58.1
1928	436	.7	19.0	80.3
Beaumont, Tex.:				
1928	540	100.0	-------	-------
Bellingham, Wash:				
1927	348	90.8	-------	9.2
1928	264	94.3	-------	5.7
Berkeley, Calif.:				
1921	706	77.6	1.7	20.7
1927	867	65.6	8.1	26.3
1928	1,330	28.0	1.7	70.3
Bethlehem, Pa.:				
1921	82	96.3	3.7	-------
1927	230	35.7	46.1	18.3
1928	223	43.5	41.7	14.8
Binghamton, N. Y.:				
1921	327	55.7	30.6	13.8
1927	310	31.6	32.3	36.1
1928	306	34.6	30.7	34.6
Birmingham, Ala.:				
1921	1,659	93.7	.5	5.7
1927	3,019	78.2	1.3	20.4
1928	2,589	70.2	.8	29.0
Bloomfield, N. J.:				
1928	675	42.7	29.2	28.1
Bridgeport, Conn.:				
1921	404	35.6	32.7	31.7
1927	497	41.6	31.4	27.0
1928	388	44.6	27.3	28.1
Brookline, Mass.:				
1921	118	22.0	54.2	23.7
1927	472	22.0	28.0	50.0
1928	556	21.2	14.4	64.4
Cambridge, Mass.:				
1921	43	7.0	93.0	-------
1927	636	5.5	33.7	60.9
1928	863	5.3	26.7	68.0
Camden, N. J.:				
1921	145	100.0	-------	-------
1927	559	85.3	5.2	9.5
1928	350	87.7	12.3	-------
Canton, Ohio:				
1921	403	86.1	1.0	12.9
1927	512	90.0	2.2	7.8
1928	374	89.6	1.6	8.8
Charleston, W. Va.:				
1921	712	77.7	6.0	16.4
1927	269	73.2	3.7	23.0
1928	258	83.7	7.0	9.3

[1] Includes 1-family and 2-family dwellings with stores.
[2] Includes multifamily dwellings with stores.

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TABLE 11.—PER CENT OF FAMILIES PROVIDED FOR BY THE DIFFERENT KINDS OF DWELLINGS IN CITIES HAVING A POPULATION OF FROM 25,000 TO 500,000 IN SPECIFIED YEARS—Continued

City, State, and year	Total number of families provided for	Per cent of families provided for in—		
		1-family dwellings	2-family dwellings	Multi-family dwellings
Charlotte, N. C.:				
1921	322	93.2	3.1	3.7
1927	1,052	48.1	13.3	38.6
1928	1,237	47.9	13.7	38.3
Chattanooga, Tenn.:				
1921	226	65.9	5.8	28.3
1927	596	56.9	8.7	34.4
1928	611	50.9	6.4	42.7
Chester, Pa.:				
1921	47	91.5	8.5	-------
1927	361	82.3	9.4	8.3
1928	243	92.6	-------	7.4
Cicero, Ill.:				
1921	453	57.8	40.8	1.3
1927	559	26.3	27.0	46.7
1928	464	23.3	12.9	63.8
Cincinnati, Ohio:				
1921	1,161	92.9	1.3	5.8
1927	3,212	52.3	18.0	29.7
1928	3,559	51.2	10.1	38.8
Clifton, N. J.:				
1921	540	39.8	58.2	2.0
1927	567	58.9	23.8	17.3
1928	547	43.9	26.9	29.3
Columbia, S. C.:				
1928	272	82.4	14.7	2.9
Columbus, Ga.:				
1921	88	68.2	-------	31.8
1927	325	92.6	-------	7.4
1928	321	100.0	-------	-------
Columbus, Ohio:				
1921	1,317	65.8	31.7	2.5
1927	2,430	60.5	19.7	19.8
1928	2,477	58.1	12.1	29.9
Covington, Ky.:				
1921	198	95.5	2.5	2.0
1927	346	81.5	13.9	4.6
1928	314	54.8	34.7	10.5
Cranston, R. I.:				
1921	154	72.7	27.3	-------
1927	452	79.2	18.8	2.0
1928	559	77.3	12.9	9.8
Dallas, Tex.:				
1921	2,846	80.8	5.6	13.6
1927	986	67.1	27.0	5.9
1928	1,199	58.7	29.0	12.3
Dayton, Ohio:				
1921	546	96.0	2.2	1.8
1927	1,201	43.8	37.3	18.9
1928	732	40.7	11.7	47.5
Decatur, Ill.:				
1921	335	82.7	13.7	3.6
1927	613	96.1	-------	3.9
1928	339	97.6	-------	2.4
Denver, Colo.:				
1921	1,624	87.8	4.8	7.4
1927	1,847	72.4	3.2	24.4
1928	1,869	60.8	3.9	35.4
Des Moines, Iowa:				
1921	758	87.1	7.1	5.8
1927	360	86.7	2.2	11.1
1928	406	83.0	1.5	15.5
Duluth, Minn.:				
1921	637	96.4	1.7	1.9
1927	303	95.0	2.0	3.0
1928	196	90.3	3.6	6.1
Durham, N. C.:				
1927	508	81.1	9.1	9.8
1928	464	86.2	3.4	10.3
East Chicago, Ind.:				
1921	168	57.1	31.0	11.9
1927	406	40.9	32.5	26.6
1928	204	28.9	19.6	51.5
East Cleveland, Ohio:				
1921	472	13.1	39.8	47.0
1927	258	4.7	9.3	86.0
1928	136	10.3	1.5	88.2
East Orange, N. J.:				
1921	376	26.6	38.6	34.8
1927	2,140	4.2	6.8	89.0
1928	968	3.9	8.7	87.4
East Providence, R. I.:				
1927	249	79.9	17.7	2.4
1928	271	78.2	20.7	1.1
East St. Louis, Ill.:				
1921	260	93.8	-------	6.2
1927	585	66.8	12.3	20.9
1928	501	73.3	9.8	17.0
Elgin, Ill.:				
1921	67	52.2	20.9	26.9
1927	262	93.5	2.3	4.2
1928	207	93.7	2.9	3.4
Elizabeth, N. J.:				
1921	514	28.0	66.4	5.6
1927	1,650	12.4	13.4	74.2
1928	1,002	14.3	12.5	73.3
El Paso, Tex.:				
1928	310	71.0	4.5	24.5
Erie, Pa.:				
1921	518	62.5	37.5	-------
1927	444	74.5	24.5	.9
1928	397	80.6	17.4	2.0
Evanston, Ill.:				
1921	415	74.0	5.8	20.2
1927	1,423	22.6	6.9	70.5
1928	945	20.7	3.7	75.6
Evansville, Ind.:				
1921	509	84.3	2.4	13.4
1927	420	93.8	4.8	1.4
1928	420	91.2	5.2	3.6
Everett, Mass.:				
1921	15	46.7	53.3	-------
1927	440	13.9	69.1	17.0
1928	283	11.3	35.3	53.4
Fall River, Mass.:				
1921	141	47.5	22.7	29.8
1927	251	54.6	29.5	15.8
1928	110	73.6	15.5	10.9
Flint, Mich.:				
1921	348	61.8	33.0	5.2
1927	3,559	92.2	4.9	2.9
1928	2,221	75.7	16.7	7.6
Fort Wayne, Ind.:				
1921	586	81.4	14.2	4.4
1927	485	98.4	1.6	-------
1928	407	98.5	.2	1.2
Fort Worth, Tex.:				
1921	909	96.7	-------	3.3
1927	3,160	55.5	22.0	22.5
1928	1,758	73.9	5.1	21.0
Galveston, Tex.:				
1921	103	96.1	-------	3.9
1927	571	96.7	-------	3.3
1928	369	86.2	4.1	9.8
Gary, Ind.:				
1921	494	59.1	0.4	40.5
1927	1,675	32.8	29.9	37.3
1928	890	67.4	9.2	23.4
Grand Rapids, Mich.:				
1921	630	94.9	2.5	2.5
1927	1,709	95.2	3.3	1.4
1928	895	93.5	6.5	-------

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TABLE 11.—PER CENT OF FAMILIES PROVIDED FOR BY THE DIFFERENT KINDS OF DWELLINGS IN CITIES HAVING A POPULATION OF FROM 25,000 TO 500,000 IN SPECIFIED YEARS—Continued

City, State, and year	Total number of families provided for	Per cent of families provided for in—		
		1-family dwellings	2-family dwellings	Multi-family dwellings
Great Falls, Mont.:				
1928	260	52.7	6.5	40.8
Greensboro, N. C.:				
1928	446	90.1	5.4	4.5
Greenwich, Conn.:				
1928	344	68.9	13.1	18.0
Hamilton, Ohio:				
1921	192	100.0	-------	-------
1927	362	100.0	-------	-------
1928	410	99.0	-------	1.0
Hammond, Ind.:				
1921	288	87.8	12.2	-------
1927	1,141	60.5	6.0	33.6
1928	698	67.6	6.4	25.9
Harrisburg, Pa.:				
1921	179	48.6	44.7	6.7
1927	319	98.7	1.3	-------
1928	206	97.6	2.4	-------
Hartford, Conn.:				
1921	717	7.8	39.9	52.3
1927	1,270	11.0	21.7	67.2
1928	1,363	8.0	12.8	79.2
Highland Park, Mich.:				
1921	250	13.2	15.2	71.6
1927	366	.5	1.6	97.8
1928	117	2.6	1.7	95.7
Holyoke, Mass.:				
1921	99	53.5	46.5	-------
1927	275	14.2	11.6	74.2
1928	86	46.5	16.3	37.2
Houston, Tex.:				
1921	2,572	88.9	3.4	7.7
1927	4,536	59.9	20.3	19.8
1928	4,463	63.5	21.7	14.8
Indianapolis, Ind.:				
1921	2,565	56.1	21.4	22.5
1927	2,400	58.5	19.1	22.4
1928	2,511	52.0	14.3	33.7
Irvington, N. J.:				
1921	389	38.8	39.3	21.9
1927	2,562	4.5	23.1	72.4
1928	1,022	3.9	11.2	84.9
Jackson, Mich.:				
1921	108	87.0	3.7	9.3
1927	206	87.4	12.6	-------
1928	250	93.6	6.4	-------
Jacksonville, Fla.:				
1921	747	75.8	9.9	14.3
1927	2,098	59.5	25.5	15.1
1928	1,658	60.1	17.2	22.6
Jamestown, N. Y.:				
1922	161	94.4	3.7	1.9
1927	225	77.8	8.9	13.3
1928	169	94.7	5.3	-------
Jersey City, N. J.:				
1921	970	4.4	46.3	49.3
1927	1,287	1.9	25.8	72.3
1928	2,155	.4	12.9	86.6
Kansas City, Kans.:				
1921	395	100.0	-------	-------
1927	387	100.0	-------	-------
1928	321	89.4	-------	10.6
Kansas City, Mo.:				
1921	2,578	70.1	1.7	28.2
1927	3,104	33.1	2.3	64.6
1928	1,969	49.0	3.8	47.2
Kearny, N. J.:				
1921	205	52.7	35.6	11.7
1927	696	31.5	35.3	33.2
1928	857	15.3	34.1	50.6
Kenosha, Wis.:				
1921	128	82.8	14.1	3.1
1927	303	77.9	14.5	7.6
1928	295	90.2	7.5	2.4
Knoxville, Tenn.:				
1921	489	98.8	1.2	-------
1927	818	83.9	.9	15.2
1928	940	77.2	6.4	16.4
Lakewood, Ohio:				
1921	877	26.3	72.3	1.4
1927	582	22.0	18.9	59.1
1928	537	15.8	11.5	72.6
Lancaster, Pa.:				
1921	73	76.7	19.2	4.1
1927	247	97.6	2.4	-------
1928	154	100.0	-------	-------
Lansing, Mich.:				
1921	492	93.7	3.9	2.4
1927	420	87.1	1.9	11.0
1928	443	99.1	.9	-------
Lincoln, Nebr.:				
1921	241	97.5	-------	2.5
1927	388	80.7	-------	19.3
1928	497	62.6	-------	37.4
Little Rock, Ark.:				
1921	749	96.0	1.3	2.7
1927	514	83.9	.4	15.8
1928	527	76.5	-------	23.5
Long Beach, Calif.:				
1921	3,882	33.2	7.3	59.5
1927	1,479	57.6	10.6	31.8
1928	3,099	41.9	14.9	43.2
Lorain, Ohio:				
1921	146	87.7	6.8	5.5
1927	237	99.6	.4	-------
1928	227	100.0	-------	-------
Louisville, Ky.:				
1921	677	88.9	-------	11.1
1927	1,574	70.0	7.5	22.5
1928	1,542	54.9	10.6	34.5
Lynn, Mass.:				
1921	140	57.1	12.9	30.0
1927	528	24.4	22.0	53.6
1928	501	26.9	24.0	49.1
McKeesport, Pa.:				
1921	127	89.0	11.0	-------
1927	246	90.7	4.1	5.3
1928	203	82.3	11.8	5.9
Macon, Ga.:				
1921	162	95.1	-------	4.9
1927	352	89.2	.6	10.2
1928	321	98.1	-------	1.9
Madison, Wis.:				
1921	283	73.5	12.7	13.8
1927	489	79.8	3.9	16.4
1928	542	74.5	8.7	16.8
Malden, Mass.:				
1921	94	40.4	27.7	31.9
1927	415	36.9	55.9	7.2
1928	718	18.4	12.0	69.6
Medford, Mass.:				
1921	256	46.1	48.0	5.9
1927	628	53.7	42.8	3.5
1928	745	48.3	37.3	14.4
Memphis, Tenn.:				
1921	1,245	75.3	2.4	22.2
1927	1,865	47.1	17.9	35.0
1928	1,887	41.4	19.1	39.5
Meriden, Conn.:				
1921	71	26.7	43.7	29.6
1927	211	82.0	5.2	12.8
1928	137	88.3	7.3	4.4

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City, State, and year	Total number of families provided for	Per cent of families provided for in—		
		1-family dwellings	2-family dwellings	Multi-family dwellings
Miami, Fla.:				
1922	959	85.9	-------	14.1
1927	698	83.2	5.7	11.0
1928	124	97.6	-------	2.4
Minneapolis, Minn.:				
1921	3,574	75.9	5.2	18.9
1927	2,189	65.2	11.8	23.0
1928	2,240	57.1	11.6	31.3
Mobile, Ala.:				
1928	638	92.3	1.3	6.4
Montclair, N. J.:				
1921	276	65.9	9.4	24.7
1927	334	51.8	32.6	15.6
1928	323	54.2	17.3	28.5
Montgomery, Ala.:				
1928	726	91.2	.8	8.0
Mount Vernon, N. Y.:				
1921	246	66.3	16.3	17.4
1927	2,211	10.9	5.4	83.7
1928	1,636	18.5	4.5	77.0
Muncie, Ind.:				
1921	64	75.0	12.5	12.5
1927	317	94.6	-------	5.4
1928	371	90.8	.3	8.9
Nashville, Tenn.:				
1921	470	89.8	-------	10.2
1927	654	82.7	1.5	15.7
1928	753	71.3	11.2	17.5
Newark, N. J.:				
1921	1,393	19.1	49.1	31.8
1927	5,144	3.5	16.2	80.3
1928	3,288	2.3	12.9	84.8
New Britain, Conn.:				
1921	215	20.0	38.1	41.9
1927	537	28.7	30.2	41.2
1928	327	39.1	33.0	27.8
New Brunswick, N. J.:				
1921	129	25.6	71.3	3.1
1927	195	36.9	46.2	16.9
1928	210	48.6	12.4	39.0
New Haven, Conn.:				
1921	444	21.2	40.1	38.7
1927	497	24.3	7.2	68.4
1928	546	23.3	8.4	68.3
New London, Conn.:				
1928	218	46.8	21.1	32.1
New Orleans, La.:				
1921	2,335	41.8	47.2	11.0
1927	2,077	24.6	64.7	10.8
1928	2,107	20.7	72.9	6.3
New Rochelle, N.Y.:				
1921	247	74.9	17.8	7.3
1927	1,049	26.1	5.2	68.6
1928	1,205	22.9	2.3	74.8
Newton, Mass.:				
1921	249	83.5	15.3	1.2
1927	734	68.4	31.6	-------
1928	939	61.2	38.8	-------
Niagara Falls, N.Y.:				
1921	286	56.3	37.1	6.6
1927	397	68.3	26.4	5.3
1928	506	69.2	22.9	7.9
Norfolk, Va.:				
1921	419	69.2	17.2	13.6
1927	496	63.9	2.0	34.1
1928	634	43.8	.9	55.2
Norwalk, Conn.:				
1921	72	83.3	16.7	-------
1927	285	77.5	10.5	11.9
1928	358	69.3	13.1	17.6
Oakland, Calif.:				
1921	2,681	77.9	4.3	17.8
1927	2,694	57.1	4.1	38.8
1928	2,430	41.6	2.2	56.1
Oak Park, Ill.:				
1921	720	70.3	4.7	25.0
1927	918	22.7	.3	77.0
1928	745	25.9	.7	73.4
Ogden, Utah:				
1921	477	91.2	-------	8.8
1927	200	89.5	-------	10.5
1928	157	88.5	2.5	8.9
Oklahoma City, Okla.:				
1921	1,724	83.8	2.2	13.9
1927	1,752	66.4	15.1	18.4
1928	2,637	76.9	6.4	16.7
Omaha, Nebr.:				
1921	1,298	76.1	.6	23.3
1927	477	70.9	2.9	26.2
1928	412	82.3	4.4	13.3
Orange, N. J.:				
1921	55	25.5	52.7	21.8
1927	722	6.8	6.4	86.8
1928	281	6.8	24.2	69.0
Pasadena, Calif.:				
1921	1,262	85.9	2.2	11.9
1927	790	57.8	5.3	36.8
1928	600	58.3	10.5	31.2
Passaic, N. J.:				
1921	426	16.4	60.1	23.5
1927	467	11.6	15.0	73.4
1928	351	18.8	11.1	70.1
Paterson, N. J.:				
1921	587	39.2	54.5	6.3
1927	1,167	19.2	19.6	61.2
1928	748	23.4	20.9	55.7
Pawtucket, R. I.:				
1921	277	45.8	32.5	21.7
1927	581	46.3	47.8	5.8
1928	455	63.5	29.9	6.6
Peoria, Ill.:				
1921	300	82.0	12.7	5.3
1927	349	93.1	1.7	5.2
1928	437	82.4	.7	16.9
Phoenix, Ariz.:				
1921	407	73.9	-------	26.1
1927	614	66.0	26.7	7.3
1928	748	69.5	17.6	12.8
Pittsfield, Mass.:				
1921	43	95.3	4.7	-------
1927	118	61.0	29.7	9.3
1928	211	65.9	15.2	19.0
Plainfield, N. J.:				
1921	135	100.0	-------	-------
1927	507	49.3	8.9	41.8
1928	311	73.6	14.5	11.9
Pontiac, Mich.:				
1921	60	96.7	3.3	-------
1927	1,069	55.2	12.0	32.8
1928	1,735	69.2	7.7	23.1
Port Arthur, Tex.:				
1927	508	100.0	-------	-------
1928	210	100.0	-------	-------
Portland, Me.:				
1921	207	78.3	.5	21.3
1927	216	68.1	3.7	28.2
1928	261	62.1	2.7	35.2
Portland, Oreg.:				
1921	3,136	91.4	2.6	6.1
1927	3,166	71.0	3.2	25.9
1928	2,321	69.1	3.4	27.6

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City, State, and year	Total number of families provided for	Per cent of families provided for in—		
		1-family dwellings	2-family dwellings	Multi-family dwellings
Portsmouth, Ohio:				
1921	113	91.2	.9	8.0
1927	224	95.1	3.6	1.3
1928	169	95.3	1.2	3.6
Providence, R. I.:				
1921	566	33.9	51.2	14.8
1927	1,188	37.4	37.3	25.3
1928	1,134	42.2	31.7	26.1
Pueblo, Colo.:				
1921	288	98.6	-------	1.4
1927	401	89.3	10.7	-------
1928	372	79.0	17.5	3.5
Quincy, Mass.:				
1921	404	57.2	34.4	8.4
1927	926	52.8	16.6	30.6
1928	977	46.4	14.3	39.3
Racine, Wis.:				
1921	169	77.5	15.4	7.1
1927	609	62.7	19.0	18.2
1928	681	43.2	33.2	23.6
Reading, Pa.:				
1922	333	56.2	27.0	16.8
1927	233	82.4	3.4	14.2
1928	263	97.3	2.7	-------
Revere, Mass.:				
1921	152	69.7	30.3	-------
1927	241	50.2	38.2	11.6
1928	247	53.8	38.1	8.1
Richmond, Ind.:				
1921	41	58.5	41.5	-------
1927	228	100.0	-------	-------
1928	153	100.0	-------	-------
Richmond, Va.:				
1921	741	78.1	-------	21.9
1927	1,774	44.9	9.4	45.7
1928	764	63.4	9.4	27.2
Roanoke, Va.:				
1921	351	100.0	-------	-------
1927	395	90.9	-------	9.1
1928	364	56.0	13.7	30.2
Rochester, N. Y.:				
1921	1,319	72.1	17.1	10.8
1927	2,448	50.4	8.1	41.5
1928	1,862	46.1	6.8	47.2
Rockford, Ill.:				
1921	351	68.7	16.5	14.8
1927	926	55.7	22.2	22.0
1928	779	54.6	17.5	28.0
Sacramento, Calif.:				
1921	737	84.0	4.6	11.4
1927	959	82.7	5.0	12.3
1928	917	74.4	12.3	13.3
Saginaw, Mich.:				
1921	251	96.8	1.6	1.6
1927	347	98.8	1.2	-------
1928	577	90.5	2.6	6.9
St. Paul, Minn.:				
1921	2,194	78.6	4.6	16.8
1927	1,148	72.0	7.0	21.0
1928	773	86.3	6.7	7.0
St. Petersburg, Fla.:				
1927	442	84.2	7.0	8.8
1928	172	98.8	1.2	-------
Salt Lake City, Utah:				
1921	826	90.0	3.8	6.2
1927	850	56.1	8.0	35.9
1928	731	52.7	15.0	32.3
San Antonio, Tex.:				
1921	1,718	95.5	-------	4.5
1927	2,171	79.6	3.7	16.7
1928	2,784	70.8	6.1	23.1
San Diego, Calif.:				
1921	1,450	88.6	.3	11.1
1927	2,613	76.8	7.6	15.6
1928	2,146	73.6	3.7	22.7
San Jose, Calif.:				
1921	300	83.7	3.6	12.7
1927	385	73.0	10.4	16.6
1928	370	67.0	5.9	27.0
Savannah, Ga.:				
1921	347	81.0	-------	19.0
1927	401	72.6	15.0	12.5
1928	430	59.1	15.8	25.1
Schenectady, N. Y.:				
1921	193	70.0	30.0	-------
1927	349	71.3	9.7	18.9
1928	269	89.2	9.7	1.1
Scranton, Pa.:				
1921	75	81.3	18.7	-------
1927	280	57.1	42.9	-------
1928	292	51.7	13.7	34.6
Seattle, Wash.:				
1921	1,961	90.5	-------	9.5
1927	4,505	61.0	-------	39.0
1928	4,658	50.1	.6	49.4
Sheboygan, Wis.:				
1921	90	95.6	4.4	-------
1927	204	88.2	11.8	-------
1928	188	82.4	16.0	1.6
Shreveport, La.:				
1921	1,157	100.0	-------	-------
1927	185	66.5	15.1	18.4
1928	713	70.5	11.5	18.0
Sioux City, Iowa:				
1921	638	90.4	5.0	4.5
1927	267	72.7	-------	27.3
1928	282	69.9	3.5	26.6
Sioux Falls, S. D.:				
1921	303	100.0	-------	-------
1927	151	84.8	7.3	7.9
1928	211	71.6	28.4	-------
Somerville, Mass.:				
1921	204	5.4	75.5	19.1
1927	399	1.0	54.1	44.9
1928	199	1.0	64.3	34.7
South Bend, Ind.:				
1921	665	78.0	13.8	8.1
1927	540	96.3	2.6	1.1
1928	579	95.9	2.1	2.1
Spokane, Wash.:				
1921	438	98.7	-------	1.3
1927	595	85.2	.5	14.3
1928	574	82.8	1.4	15.9
Springfield, Ill.:				
1921	210	76.7	6.7	16.6
1927	354	92.7	3.1	4.2
1928	352	81.0	2.8	16.2
Springfield, Mass.:				
1921	827	59.9	30.0	10.2
1927	1,240	36.5	18.2	45.2
1928	647	63.8	13.9	22.3
Springfield, Mo.:				
1928	305	87.9	1.6	10.5
Springfield, Ohio:				
1921	253	90.9	9.1	-------
1927	285	84.9	15.1	-------
1928	315	79.7	15.2	5.1
Stamford, Conn.:				
1921	190	50.5	34.7	14.7
1927	559	30.6	21.8	47.6
1928	331	60.4	27.8	11.8

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City, State, and year	Total number of families provided for	Per cent of families provided for in—		
		1-family dwellings	2-family dwellings	Multi-family dwellings
Stockton, Calif.:				
1921	624	66.8	-------	33.2
1927	412	70.9	2.9	26.2
1928	226	86.3	4.4	9.3
Syracuse, N. Y.:				
1921	627	55.5	38.8	5.7
1927	1,838	53.0	16.5	30.5
1928	1,561	53.1	14.8	32.1
Tacoma, Wash.:				
1921	843	93.1	-------	6.9
1927	769	80.5	-------	19.5
1928	822	65.9	-------	34.1
Tampa, Fla.:				
1922	422	89.3	5.2	5.5
1927	826	94.8	1.1	4.1
1928	647	93.0	1.7	5.3
Toledo, Ohio:				
1921	600	80.3	15.7	4.0
1927	1,749	81.0	8.3	10.6
1928	1,698	68.0	10.5	21.4
Topeka, Kans.:				
1921	188	84.0	-------	16.0
1927	320	87.5	-------	12.5
1928	304	75.7	.7	23.7
Trenton, N. J.:				
1921	317	89.3	-------	10.7
1927	316	96.2	1.9	1.9
1928	223	77.6	-------	22.4
Tucson, Ariz.:				
1927	535	54.2	7.5	38.3
1928	336	91.7	6.0	2.4
Tulsa, Okla.:				
1921	1,138	77.5	5.1	17.4
1927	1,434	68.1	13.9	18.1
1928	2,187	48.0	21.8	30.3
Union City, N. J.:				
1921	56	33.9	14.3	51.8
1927	255	-------	12.5	87.5
1928	84	3.6	9.5	86.9
Utica, N. Y.:				
1921	478	43.3	56.7	-------
1927	259	83.4	16.6	-------
1928	342	59.9	8.2	31.9
Waltham, Mass.:				
1921	137	92.7	4.4	2.9
1927	285	49.1	30.5	20.4
1928	362	48.9	25.4	25.7
Warren, Ohio:				
1921	171	94.7	5.3	-------
1927	321	95.3	4.7	-------
1928	306	95.4	2.6	2.0
Waterbury, Conn.:				
1921	271	43.2	22.9	33.9
1927	675	54.4	20.7	24.9
1928	504	44.6	19.0	36.3
Waterloo, Iowa:				
1928	270	98.5	-------	1.5
Watertown, Mass:				
1927	759	14.1	85.9	-------
1928	454	17.6	82.4	-------
West New York, N. J.:				
1921	269	6.3	62.5	31.2
1927	283	8.5	3.5	88.0
1928	170	1.2	12.4	86.5
White Plains, N. Y.:				
1927	1,204	22.5	3.8	73.7
1928	856	34.8	1.9	63.3
Wichita, Kans.:				
1921	1,336	93.2	2.8	4.0
1927	988	77.7	4.9	17.4
1928	1,207	73.1	7.4	19.6
Wichita Falls, Tex.:				
1927	548	90.5	5.8	3.7
1928	222	89.2	5.4	5.4
Wilkes-Barre, Pa.:				
1921	82	91.5	4.9	3.6
1927	230	64.8	25.2	10.0
1928	174	52.3	24.1	23.6
Wilmington, Del.:				
1921	66	71.2	7.6	21.2
1927	366	83.1	.5	16.4
1928	365	88.5	.8	10.7
Winston-Salem, N. C.:				
1921	356	94.1	.6	5.3
1927	923	74.8	2.6	22.6
1928	965	63.8	5.9	30.3
Worcester, Mass.:				
1921	715	67.0	17.8	15.2
1927	795	59.0	18.6	22.4
1928	474	68.4	16.5	15.2
Yonkers, N. Y.:				
1921	433	76.0	-------	24.0
1927	4,146	14.3	6.7	79.1
1928	4,216	14.8	4.9	80.3
Youngstown, Ohio:				
1921	724	62.2	20.7	17.1
1927	1,148	80.8	11.8	7.3
1928	929	83.6	10.2	6.1

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General Table

GENERAL TABLE A, pages 33 to 108 shows detailed information for 310 cities in 1928 and 302 cities in 1927. The table is divided into three parts.

Part 1 relates to new residential buildings, giving the number and cost of each kind of dwelling, the number of families provided with dwelling places in new buildings, and the ratio of families provided for to each 10,000 of population in each city from which data were received for 1927 and 1928. The ratio of families provided for is based both on the 1920 census and the population as estimated by the Census Bureau for the specified year.

Part 2 gives the number and cost of new nonresidential buildings for each city from which reports were received.

Part 3 shows the number and cost of additions, alterations, and repairs to old buildings, the number and cost of installations, and the grand total of all buildings, both new and old.

The number of installation permits and their construction costs were obtained whenever such permits were issued by the building inspector. In a number of cities, however, these permits were issued by offices other than that of the building inspector, and no data were collected in such cities.

In 1927 there were 77,818 permits issued for installations to cost $37,772,931, compared with 70,850 permits and an estimated cost of $38,351,921 in 1928.

The bureau attempted to classify additions, alterations, and repairs under the headings repairs, etc., to housekeeping dwellings, nonhousekeeping dwellings, and to nonresidential buildings. Many of the cities which reported by mail, however, grouped them.

In the 310 cities which reported for 1928 permits were issued for 279,020 repairs to old buildings. The cost of these repairs was estimated at $324,644,421. In 1927 permits were issued for 288,824 repairs at an estimated cost of $353,398,271.

The total estimated expenditure for the 664,449 building operations (including new buildings and repairs to old buildings), for which permits were issued in 1928, was $3,423,584,461. In 1927 permits were issued for 729,685 building operations at an estimated expenditure of $3,593,839,405.

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TABLE A.—*Number and estimated cost of buildings (new construction, and repairs, alterations, and additions to old buildings) covered by permits issued in 1927 and 1928, by intended use of buildings*

PART 1.—NEW RESIDENTIAL BUILDINGS

City and State	Year	Housekeeping dwellings														
		1-family dwellings			2-family dwellings			1-family and 2-family dwellings with stores combined			Multifamily dwellings			Multifamily dwellings with stores combined		
		Number	Cost	Families	Number	Cost	Families	Number	Cost	Families	Number	Cost	Families	Number	Cost	Families
Akron, Ohio	1927	2,117	$10,702,908	2,117	42	$331,387	84	1	$33,000	1	48	$1,124,300	319			
	1928	2,051	10,348,998	2,051	76	635,750	152				71	1,179,400	354			
Alameda, Calif.	1927	194	867,956	194	6	29,100	12	1	1,500	1	1	25,000	32			
	1928	170	886,317	170	2	10,500	4				11	532,407	330			
Albany, N. Y.	1927	273	3,878,000	273	124	2,851,500	248	1	9,000	1	5	152,000	24	2	$48,000	12
	1928	300	4,516,700	300	89	2,078,500	178				12	765,000	121	1	100,000	16
Allentown, Pa.	1927	510	2,653,200	510				10	92,500	14	8	436,000	94	11	376,000	63
	1928	482	2,779,300	482				5	46,200	7	4	116,500	35	3	223,000	32
Altoona, Pa.	1927	261	1,277,135	261				1	3,500	1	2	33,000	8	4	78,500	12
	1928	149	904,390	149	1	4,500	2	4	21,200	4						
Amsterdam, N. Y.	1927	28	220,500	28	19	208,000	38	1	11,000	1						
	1928	18	149,100	18	11	83,500	22	1	10,000	2						
Alton, Ill.	1928	156	544,224	156	4	12,500	8	2	11,000	3						
Anderson, Ind.	1927	330	868,000	330	1	7,000	2	3	9,100	5	4	312,000	113	1	10,000	6
	1928	248	824,550	248	1	6,500	2	1	12,500	2	3	38,000	16			
Asheville, N. C.	1927	316	1,299,960	316	1	2,500	2	3	8,500	3	10	396,200	125	1	18,000	3
	1928	258	1,178,750	258				4	25,000	8	15	495,550	94	1	50,000	10
Ashtabula, Ohio	1927	36	162,700	36				1	7,000	2						
	1928	20	150,250	20												
Atlanta, Ga.	1927	1,387	5,155,610	1,387	253	638,001	506	19	35,350	22	80	1,026,050	618	1	30,000	30
	1928	1,319	5,607,700	1,319	220	939,089	440	9	18,300	10	149	3,400,900	1,398	1	2,500	3
Atlantic City, N. J.	1927	64	263,718	64	36	210,500	72	6	105,750	12	11	949,000	75	6	149,000	25
	1928	37	151,265	37	5	21,000	10	1	16,000	1	1	55,000	6	1	16,000	3
Auburn, N. Y.	1927	12	85,400	12	4	26,300	8									
	1928	31	159,125	31												
Augusta, Ga.	1927	310	807,143	310	10	57,950	20	6	20,225	6	2	16,000	8			
	1928	259	643,094	259	13	42,250	26	4	10,300	5	1	120,000	28			
Aurora, Ill.	1927	358	1,814,525	358	3	27,000	6	2	20,000	2	2	108,000	48	1	22,000	4
	1928	264	1,426,549	264	1	9,000	2	1	16,000	2	1	110,000	33			
Baltimore, Md.	1927	3,348	13,626,000	3,348	1	12,000	2	5	26,000	6	13	691,000	190			
	1928	2,491	10,750,000	2,491							10	1,910,000	393			
Bangor, Me.	1927	31	129,600	31	1	7,000	2									
	1928	33	117,550	33	1	7,000	2	3	12,000	3						

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TABLE A.—*Number and estimated cost of buildings (new construction, and repairs, alterations, and additions to old buildings) covered by permits issued in 1927 and 1928, by intended use of buildings*—Continued

PART 1.—NEW RESIDENTIAL BUILDINGS—Continued

City and State	Year	Housekeeping dwellings														
		1-family dwellings			2-family dwellings			1-family and 2-family dwellings with stores combined			Multifamily dwellings			Multifamily dwellings with stores combined		
		Number	Cost	Families	Number	Cost	Families	Number	Cost	Families	Number	Cost	Families	Number	Cost	Families
Battle Creek, Mich.	1927	246	$836,475	246	6	$39,000	12	2	$13,000	2	2	$30,000	8			
	1928	163	669,750	163	5	43,000	10							1	$40,000	4
Bay City, Mich.	1927	42	161,425	42												
	1928	54	209,200	54							1	20,000	3			
Bayonne, N. J.	1927	8	31,000	8	62	396,000	124	6	42,800	12	20	368,500	197	1	10,500	3
	1928	3	20,000	3	39	257,500	78	3	16,000	5	21	557,000	306	8	118,000	44
Beaumont, Tex.	1928	540	1,486,841	540												
Belleville, Ill.	1928	136	666,000	136												
Bellingham, Wash.	1927	316	757,910	316							2	22,000	14	2	47,000	18
	1928	249	629,000	249							2	45,000	15			
Berkeley, Calif.	1927	569	2,541,080	569	35	315,000	70				34	773,700	204	3	101,000	24
	1928	372	1,893,701	372	9	52,000	18	3	26,500	5	68	2,067,350	911	1	68,000	24
Bethlehem, Pa.	1927	82	517,750	82	53	603,500	106				5	71,000	16	5	87,600	26
	1928	97	777,000	97	41	478,500	82	7	63,500	11	4	57,000	17	1	45,000	16
Binghamton, N. Y.	1927	98	612,050	98	50	407,900	100				20	272,100	112			
	1928	106	608,881	106	47	387,540	94				13	268,000	106			
Birmingham, Ala.	1927	2,362	7,627,214	2,362	12	63,750	24	13	51,925	16	69	2,350,250	590	4	90,625	27
	1928	1,818	5,575,004	1,818	4	10,500	8	12	45,200	12	83	1,499,631	751			
Bloomfield, N. J.	1927	365	1,989,150	365	82	813,000	164	4	47,650	10	26	2,121,700	437	3	290,000	86
	1928	288	1,656,000	288	94	922,000	188	5	75,000	9	16	562,000	155	2	155,000	35
Bloomington, Ill.	1927	84	474,500	84	1	5,500	2				2	40,000	10			
	1928	85	561,000	85							1	40,000	5			
Boston, Mass.	1927	547	3,277,700	547	852	7,436,603	1,704	3	82,000	6	511	10,856,340	2,799	50	1,069,500	260
	1928	647	3,877,400	647	952	8,163,200	1,904	2	22,000	3	558	14,804,950	4,251			
Bridgeport, Conn.	1927	207	1,181,460	207	78	596,550	156				41	382,950	134			
	1928	173	1,043,300	173	53	441,100	106				19	255,600	57	4	205,000	52
Brockton, Mass.	1927	152	767,175	152	9	77,000	18				2	20,000	6			
	1928	131	695,950	131	5	37,000	10									
Brookline, Mass.	1927	104	1,639,150	104	66	784,000	132				41	1,616,500				
	1928	118	2,127,100	118	40	491,500	80				63	2,446,500	358			
Buffalo, N. Y.	1927	1,155	4,963,800	1,155	546	2,759,875	1,092	111	1,725,650	145	39	3,299,432	847	19	508,400	134
	1928	704	3,330,075	704	676	2,969,025	1,352	36	487,500	63	52	3,282,500	896	47	681,850	166

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Burlington, Iowa	1927	85	200,000	85	4	47,140	8									
	1928	53	177,500	53	1	600	2									
Butler, Pa	1928	40	258,300	40												
Butte, Mont	1927	1	10,000	1												
	1928	7	11,500	7												
Cambridge, Mass	1927	35	441,150	35	107	1,031,800	214				42	1,545,500	359	6	88,700	28
	1928	46	461,500	46	115	898,800	230				17	2,221,000	587			
Camden, N. J	1927	477	1,944,950	477				23	150,600	29	3	180,000	50	1	4,000	3
	1928	307	1,070,650	307	13	34,800	26	10	59,500	17						
Canton, Ohio	1927	461	2,131,200	461	5	44,850	10	1	8,000	1	7	347,500	40			
	1928	335	1,878,550	335	3	21,300	6				2	31,000	9	1	250,000	24
Cedar Rapids, Iowa	1927	145	637,815	145												
	1928	151	653,940	151							1	35,000	6			
Central Falls, R. I	1927	3	29,000	3	15	100,200	30	1	12,600	1	1	7,500	4	12	109,800	36
	1928	3	12,000	3	19	73,000	38				1	7,000	3			
Charleston, S. C	1927	26	35,250	26	5	49,000	10	1	7,000	2						
	1928	45	158,800	45				1	1,500	1						
Charleston, W. Va	1927	197	643,450	197	1	3,000	2	4	55,000	8	13	154,450	62			
	1928	216	731,500	216	8	25,500	16	2	7,000	2	8	96,000	24			
Charlotte, N. C	1927	506	1,746,960	506	67	193,250	134	3	43,000	6	74	1,136,550	406			
	1928	593	2,770,740	593	81	305,110	162	5	34,800	8	72	1,270,370	466	2	51,000	8
Chattanooga, Tenn	1927	339	1,027,858	339	20	50,654	40	11	54,300	12	18	304,293	178	8	70,075	27
	1928	311	1,123,075	311	17	39,500	34	5	17,600	5	23	637,700	250	2	45,000	11
Chelsea, Mass	1927	5	25,600	5	51	397,700	102									
	1928	11	50,500	11	64	512,500	128				1	10,000	3			
Chester, Pa	1927	297	1,291,600	297	17	109,900	34				2	60,000	30			
	1928	225	930,000	225							3	70,000	18			
Chicago, Ill	1927	5,604	36,108,800	5,604	1,926	22,434,450	3,852	257	4,003,600	350	1,999	138,513,700	27,011	238	25,830,200	4,384
	1928	4,209	26,597,300	4,209	1,090	11,635,900	2,180	192	2,786,500	252	1,537	111,734,200	23,247	318	21,996,000	4,559
Chicopee, Mass	1927	72	278,000	72	19	149,500	38									
	1928	71	254,300	71	14	104,000	28							1	10,000	3
Cicero, Ill	1927	147	1,139,200	147	61	763,500	122	18	262,200	29	18	899,000	196	6	264,500	65
	1928	108	813,800	108	29	354,800	58	1	20,000	2	10	492,000	136	20	857,000	160
Cincinnati, Ohio	1927	1,679	11,718,234	1,679	289	3,207,150	578				49	3,560,500	955			
	1928	1,821	13,927,985	1,821	179	1,888,750	358				82	5,781,000	1,377	1	30,500	3
Clarksburg, W. Va	1927	56	202,750	56				15	31,050	20						
	1928	58	254,350	58	2	22,500	4	20	80,385	36						
Cleveland, Ohio	1927	1,593	8,712,100	1,593	542	5,257,500	1,084	19	298,000	29	53	2,585,500	776	15	560,000	149
	1928	1,354	8,298,100	1,354	311	3,219,500	622	37	224,000	66	65	4,080,000	1,050	19	425,500	75
Clifton, N. J	1927	334	1,880,725	334	62	446,560	124	7	120,500	11	4	61,000	18	10	266,000	80
	1928	240	1,357,650	240	67	469,500	134	8	128,500	13	15	509,000	145	1	75,000	15
Colorado Springs, Colo	1927	67	236,075	67												
	1928	86	296,440	86							1	44,000	9			
Columbia, S. C	1927	188	698,350	188	4	30,000	8				3	80,000	10			
	1928	224	914,000	224	20	150,000	40				2	44,000	8			
Columbus, Ga	1927	301	910,643	301							1	80,000	24			
	1928	321	700,724	321												
Columbus, Ohio	1927	1,469	7,299,900	1,469	230	1,843,900	460	10	146,500	19	53	1,508,000	303	26	1,061,000	179
	1928	1,438	7,382,100	1,438	147	1,184,200	294	4	29,500	5	86	2,336,500	625	17	601,000	115
Council Bluffs, Iowa	1927	101	342,900	101	1	8,000	2	2	3,000	2	5	112,400	31			
	1928	75	234,400	75				3	9,000	3	2	18,000	16			

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TABLE A.—*Number and estimated cost of buildings (new construction, and repairs, alterations, and additions to old buildings) covered by permits issued in 1927 and 1928, by intended use of buildings*—Continued

PART 1.—NEW RESIDENTIAL BUILDINGS—Continued

City and State	Year	Housekeeping dwellings														
		1-family dwellings			2-family dwellings			1-family and 2-family dwellings with stores combined			Multifamily dwellings			Multifamily dwellings with stores combined		
		Number	Cost	Families	Number	Cost	Families	Number	Cost	Families	Number	Cost	Families	Number	Cost	Families
Covington, Ky	1927	282	$871,700	282	22	$106,000	44	3	$17,000	4	4	$28,000	16			
	1928	172	584,000	172	48	261,200	96	11	53,000	13	7	55,000	33			
Cranston, R. I	1927	358	1,857,550	358	40	344,500	80	2	24,000	5	3	36,000	9			
	1928	432	2,164,900	432	36	288,300	72				1	300,000	49	2	$22,000	6
Cumberland, Md	1927	96	425,538	96				2	18,750	2				2	40,000	12
	1928	64	271,810	64	1	11,000	2	1	1,200	1						
Dallas, Tex	1927	662	1,626,305	662	130	596,725	260	3	40,000	6	15	190,000	58			
	1928	704	1,804,009	704	174	1,015,665	348				23	356,250	143	1	12,000	4
Danville, Ill	1927	184	812,500	184	1	4,200	2							1	16,496	6
	1928	137	518,086	137							1	81,000	27			
Davenport, Iowa	1927	119	563,170	119	1	8,000	2				1	15,000	4			
	1928	132	588,250	132	1	9,400	2	2	22,000	2	1	16,000	4			
Dayton, Ohio	1927	526	2,437,346	526	224	881,954	448				39	885,000	194	5	284,600	33
	1928	298	1,333,188	298	43	254,300	86				35	968,000	323	4	148,000	25
Decatur, Ill	1927	589	3,060,400	589							3	125,000	24			
	1928	331	1,935,500	331							2	32,000	8			
Denver, Colo	1927	1,337	6,462,900	1,337	30	236,000	60				30	1,157,000	450			
	1928	1,136	5,869,200	1,136	36	275,000	72				50	2,105,000	661			
Des Moines, Iowa	1927	312	1,421,482	312	4	33,022	8				5	59,600	40			
	1928	337	1,564,328	337	3	23,000	6				2	88,000	63			
Detroit, Mich	1927	5,602	29,695,263	5,602	2,065	14,936,347	4,130	17	139,690	25	480	15,856,432	5,179	133	3,554,235	678
	1928	6,794	35,841,184	6,794	2,242	15,368,447	4,484	30	459,500	40	350	12,740,280	4,252	89	2,038,695	359
Dubuque, Iowa	1927	67	252,325	67												
	1928	54	219,500	54							1	50,000	13			
Duluth, Minn	1927	288	1,373,874	288	2	15,800	4	2	6,500	2				2	30,000	9
	1928	177	874,650	177	3	23,000	6	1	5,000	1				3	45,000	12
Durham, N. C	1927	412	1,122,205	412	23	142,100	46				5	110,000	50			
	1928	400	1,340,035	400	8	63,400	16				4	179,500	48			
East Chicago, Ind	1927	166	699,742	166	45	392,600	90	28	349,000	42	17	308,900	68	4	201,000	40
	1928	59	281,750	59	14	143,850	28	8	75,350	12	12	222,500	60	10	227,400	45
East Cleveland, Ohio	1927	12	113,500	12	12	126,500	24				12	625,000	195	2	98,000	27
	1928	14	143,700	14	1	9,500	2				8	32,800	120			

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Easton, Pa	1927	39	352,060	39	15	136,500	30	1	4,000	1				2	30,225	7
	1928	16	149,425	16	4	53,000	8									
East Orange, N. J	1927	91	651,750	91	66	620,100	132	5	92,000	13	58	8,299,500	1,854	5	318,500	50
	1928	38	311,650	38	38	327,000	76	4	44,500	8	37	3,808,000	813	2	140,000	33
East Providence, R. I	1927	199	915,400	199	22	176,000	44				2	18,000	6			
	1928	212	1,227,725	212	25	207,300	50	4	32,000	6	1	11,000	3			
East St. Louis, Ill	1927	391	1,456,397	391	34	208,080	68	3	27,800	4	17	437,820	118	1	30,000	4
	1928	367	1,391,980	367	23	131,400	46	2	24,400	3	13	260,600	81	1	35,500	4
Elgin, Ill	1927	245	1,160,560	245	3	29,000	6				1	15,000	11			
	1928	194	1,015,070	194	3	18,500	6				2	22,000	7			
Elizabeth, N. J	1927	205	1,278,000	205	109	983,000	218	2	17,000	3	126	2,960,000	1,175	15	361,000	49
	1928	143	1,130,000	143	51	415,000	102	8	104,000	23	111	1,616,000	671	8	186,000	63
Elkhart, Ind	1927	219	850,105	219				1	2,500	1	1	7,000	4			
	1928	140	490,261	140							1	100,000	15			
Elmira, N. Y	1927	109	731,312	109	3	22,650	6	1	12,000	1						
	1928	102	556,100	102							1	75,000	18			
El Paso, Tex	1927	58	294,415	58							11	171,650	96	1	9,500	4
	1928	220	790,441	220	7	29,010	14				14	80,975	76			
Erie, Pa	1927	331	1,852,700	331	43	234,800	86	16	114,000	23	1	20,400	4			
	1928	320	1,754,100	320	28	228,100	56	9	96,300	13	1	26,000	8			
Evanston, Ill	1927	322	3,617,500	322	47	818,000	94	3	42,000	4	70	7,138,000	974	3	255,000	29
	1928	196	2,711,000	196	17	244,000	34	1	16,000	1	39	3,688,000	526	9	1,055,000	188
Evansville, Ind	1927	394	1,447,950	394	4	24,500	8	7	43,450	12	2	15,000	6			
	1928	383	1,392,550	383	6	31,000	12	7	36,700	10	3	16,000	9	1	12,000	6
Everett, Mass	1927	61	237,500	61	152	905,000	304				5	177,000	75			
	1928	32	222,600	32	50	344,500	100				9	410,500	151			
Everett, Wash	1928	107	222,300	107							3	40,000	16			
Fall River, Mass	1927	137	656,440	137	33	237,385	66	6	56,375	8	10	139,684	40			
	1928	81	353,420	81	8	67,100	16	1	3,000	1	3	34,000	9	1	11,500	3
Fitchburg, Mass	1927	52	191,400	52	4	17,500	8	4	18,000	4	1	8,000	3			
	1928	19	85,800	19	2	9,700	4	1	15,000	2						
Flint, Mich	1927	3,280	10,923,266	3,280	76	492,828	152	15	113,832	23	19	217,505	86	4	83,450	18
	1928	1,682	7,014,241	1,682	176	1,031,832	352	15	90,940	18	15	248,631	133	6	109,500	36
Fond du Lac, Wis	1927	86	295,740	86												
	1928	55	193,000	55										1	10,000	4
Fort Smith, Ark	1928	60	183,488	60				1	1,000	1						
Fort Wayne, Ind	1927	477	2,423,160	477				4	55,565	8						
	1928	401	2,107,815	401				1	3,000	1				1	18,000	5
Fort Worth, Tex	1927	1,753	9,216,896	1,753	313	640,130	626	47	310,365	69	49	2,170,014	558	45	364,085	154
	1928	1,299	5,201,087	1,299	32	184,768	64	15	117,483	25	43	766,947	316	17	132,160	54
Fresno, Calif	1927	145	506,161	145	3	15,000	6				2	16,000	6			
	1928	118	415,645	118				2	15,000	4	2	50,000	24			
Galveston, Tex	1927	552	1,051,414	552							5	34,000	19			
	1928	318	1,022,459	318	1	4,850	2	9	33,477	13	6	53,000	25	3	32,900	11
Gary, Ind	1927	550	2,896,438	550	250	967,842	500				140	882,632	325	37	1,192,600	300
	1928	600	2,795,995	600	33	153,780	66	10	106,000	16	43	529,800	172	12	116,000	36
Grand Rapids, Mich	1927	1,627	6,707,300	1,627	29	187,300	58				5	22,000	24			
	1928	837	3,405,000	837	29	179,100	58									
Great Falls, Mont	1927	82	289,853	82	8	61,750	16	2	9,000	2	5	121,500	150			
	1928	137	481,930	137	8	60,100	16	1	4,000	1	8	164,800	82	1	79,000	24
Green Bay, Wis	1927	165	761,555	165							1	8,000	3			
	1928	167	760,180	167	8	64,000	16				1	10,000	3			

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TABLE A.—*Number and estimated cost of buildings (new construction, and repairs, alterations, and additions to old buildings) covered by permits issued in 1927 and 1928, by intended use of buildings*—Continued

***PART 1.—NEW RESIDENTIAL BUILDINGS*—Continued**

City and State	Year	Housekeeping dwellings														
		1-family dwellings			2-family dwellings			1-family and 2-family dwellings with stores combined			Multifamily dwellings			Multifamily dwellings with stores combined		
		Number	Cost	Families	Number	Cost	Families	Number	Cost	Families	Number	Cost	Families	Number	Cost	Families
Greensboro, N. C.	1927	383	$1,804,527	383	12	$84,000	24				8	$269,995	48			
	1928	402	1,920,465	402	11	23,600	22	1	$13,000	2	4	73,800	20			
Greenville, S. C.	1927	110	398,875	110				1	7,000	1	2	19,300	8			
	1928	169	682,957	169	1	8,500	2	2	5,000	2	5	33,090	20			
Greenwich, Conn.	1927	250	3,591,735	250	15	138,000	30				3	49,000	18	6	$380,600	65
	1928	237	4,050,300	237	20	200,000	40	4	43,000	5	3	183,000	46	2	83,000	16
Hagerstown, Md.	1927	54	294,085	54	20	98,500	40				1	4,500	3			
	1928	49	215,610	49	15	76,900	30				1	8,000	3			
Hamilton, Ohio	1927	362	1,244,724	362												
	1928	406	1,519,987	406							1	18,500	4			
Hammond, Ind.	1927	690	2,964,800	690	25	205,000	50	15	107,800	18	26	764,500	253	8	957,600	130
	1928	472	1,945,800	472	21	108,900	42	3	23,000	3	17	374,000	90	2	308,000	91
Hamtramck, Mich.	1927	25	96,850	25	15	84,200	30	7	95,500	11	1	12,000	4			
	1928	41	236,400	41	15	93,800	30	4	34,500	4	4	39,500	14			
Harrisburg, Pa.	1927	315	1,792,100	315				4	19,000	4						
	1928	201	1,168,500	201	1	10,000	2	3	36,000	3						
Hartford, Conn.	1927	140	1,525,551	140	136	1,641,209	272	2	16,000	4	91	2,305,379	710	13	611,000	144
	1928	109	1,252,017	109	87	797,352	174				69	2,125,400	927	12	475,500	153
Haverhill, Mass.	1927	68	280,700	68	14	99,400	28				1	6,000	3			
	1928	52	213,900	52	5	35,500	10				2	22,000	6			
Hazleton, Pa.	1927	42	318,013	42	42	475,275	84									
	1928	20	134,893	20	11	112,847	22	9	84,386	11	1	11,138	4			
Highland Park, Mich.	1927	2	13,500	2	3	26,500	6				7	806,000	242	3	450,000	116
	1928	3	21,500	3	1	8,000	2				3	335,000	112			
Hoboken, N. J.	1927							1	12,000	2	1	60,000	20			
	1928	1	45,000	1				3	25,500	4						
Holyoke, Mass.	1927	39	329,750	39	16	160,800	32				11	639,500	168	2	153,000	36
	1928	40	299,300	40	7	71,000	14				3	122,500	32			
Houston, Tex.	1927	2,715	8,675,363	2,715	445	3,457,122	890	19	236,150	31	169	2,603,820	861	11	128,500	39
	1928	2,836	11,459,985	2,836	469	4,226,050	938	15	174,000	30	104	1,737,550	616	12	208,800	43
Huntington, W. Va.	1927	135	467,225	135	6	25,500	12	3	9,000	3	9	124,000	40	1	5,000	4
	1928	45	364,800	45	4	29,000	8	9	15,100	12	3	49,000	16	1	10,000	6

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Hutchinson, Kans	1928	126	433,770	126	2	12,500	4				3	21,000	16			
Indianapolis, Ind	1927	1,405	6,276,714	1,405	229	1,107,745	458				31	1,812,800	480	2	204,000	57
	1928	1,305	6,122,670	1,305	180	876,880	360				31	3,079,000	816	4	145,550	30
Irvington, N. J	1927	115	703,478	115	290	3,074,950	580	7	103,000	12	194	7,053,500	1,759	12	535,000	96
	1928	40	259,000	40	55	585,500	110	3	43,000	4	95	3,342,900	720	13	791,400	148
Jackson, Mich	1927	180	817,550	180	13	92,550	26									
	1928	234	1,043,450	234	8	61,000	16									
Jacksonville, Fla	1927	1,248	4,055,500	1,248	251	1,055,525	502	24	102,500	32	58	1,107,000	292	4	92,500	24
	1928	997	3,381,565	997	128	461,800	256	21	140,200	30	65	1,221,650	354	4	57,900	21
Jamestown, N. Y	1927	175	871,200	175	10	74,400	20				3	59,700	30			
	1928	160	813,000	160	3	21,000	6	2	21,000	3						
Jersey City, N. J	1927	24	156,600	24	151	1,245,700	302	18	194,500	30	55	2,832,500	873	8	223,500	58
	1928	9	65,500	9	102	829,500	204	39	336,000	75	101	5,512,000	1,639	7	906,000	228
Johnstown, Pa	1927	93	482,900	93	10	92 095	20	11	72,200	11	1	12,000	4			
	1928	46	250,250	46	9	69,500	18	5	15,400	5	1	10,000	4			
Joliet, Ill	1927	176	1,235,600	176	7	169,000	14	2	34,000	4	2	45,000	8	1	20,000	4
	1928	148	1,178,400	148	2	35,500	4	1	44,000	2	2	130,000	18	1	25,000	8
Joplin, Mo	1927	114	398,200	114							1	16,000	14			
	1928	99	367,200	99							3	224,000	52			
Kalamazoo, Mich	1927	193	641,100	193												
	1928	148	591,025	148	1	4,500	2				3	30,000	12	1	15,000	3
Kansas City, Kans	1927	387	720,950	387												
	1928	287	578,620	287							4	59,000	30	1	11,000	4
Kansas City, Mo	1927	1,028	4,400,207	1,028	34	261,500	68	2	13,000	4	93	3,571,657	1,852	7	489,500	152
	1928	965	4,594,700	965	37	323,500	74				41	2,701,000	927	1	10,000	3
Kearny, N. J	1927	219	1,189,900	219	123	881,500	246				11	524,000	185	5	152,000	46
	1928	131	7 8,500	131	144	991,000	288	2	32,000	4	20	1,135,500	421	3	68,000	13
Kenosha, Wis	1927	236	1,368,197	236	14	96,600	28	9	113,500	16	3	55,000	23			
	1928	266	2,248,418	266	8	77,600	16	5	114,500	6	2	44,000	7			
Kingston, N. Y	1927	126	678,600	126	4	40,800	8									
	1928	114	626,050	114	3	32,000	6				1	25,000	6			
Knoxville, Tenn	1927	686	2,395,814	686				4	22,800	8	20	588,639	124			
	1928	726	2,497,141	726	30	163,600	60				20	526,300	154			
Kokomo, Ind	1927	39	162,000	39	3	1,500	6									
	1928	40	195,262	40							2	155,000	42			
Lakewood, Ohio	1927	128	1,097,755	128	55	480,000	110				14	1,133,000	307	4	178,000	37
	1928	85	920,600	85	31	397,800	62				12	775,000	370	5	79,000	20
Lancaster, Pa	1927	241	1,346,600	241				4	13,800	6						
	1928	154	839,050	154												
Lansing, Mich	1927	366	1,585,665	366	4	29,500	8				2	180,000	46			
	1928	439	1,986,800	439	2	18,000	4									
Lawrence, Mass	1927	12	92,200	12	6	52,000	12							5	60,600	19
	1928	8	53,200	8	1	14,000	2				4	37,000	22			
Lebanon, Pa	1927	32	191,500	32												
	1928	19	101,000	19												
Lewiston, Me	1927	22	69,500	22	3	28,000	6				3	38,000	15			
	1928	19	62,000	19	2	21,000	4	1	7,000	2	5	58,000	52			
Lexington, Ky	1927	160	971,558	160												
	1928	104	573,400	104												
Lima, Ohio	1927	32	144,600	32							1	8,000	3			
	1928	13	68,100	13	3	18,000	6									
Lincoln, Nebr	1927	313	1,605,590	313							12	284,000	75			

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TABLE A.—*Number and estimated cost of buildings (new construction, and repairs, alterations, and additions to old buildings) covered by permits issued in 1927 and 1928, by intended use of buildings*—Continued

PART 1.—NEW RESIDENTIAL BUILDINGS—Continued

City and State	Year	Housekeeping dwellings														
		1-family dwellings			2-family dwellings			1-family and 2-family dwellings with stores combined			Multifamily dwellings			Multifamily dwellings with stores combined		
		Number	Cost	Families	Number	Cost	Families	Number	Cost	Families	Number	Cost	Families	Number	Cost	Families
Little Rock, Ark.	1928	311	$1,491,712	311							9	$310,000	186			
	1927	431	1,393,368	431				2	$5,700	2	18	193,050	75	1	$20,900	6
	1928	403	1,724,985	403							24	354,152	124			
Long Beach, Calif.	1927	852	2,829,165	852	73	$360,000	146	11	40,500	11	75	1,151,400	448	7	89,300	22
	1928	1,297	4,134,840	1,297	225	1,157,335	450	8	43,350	13	174	2,931,840	1,278	16	364,150	61
Lorain, Ohio	1927	236	806,300	236				1	5,000	1						
	1928	227	815,140	227												
Los Angeles, Calif.	1927	8,213	32,135,913	8,213	908	7,075,768	1,816				1,042	22,866,436	10,772			
	1928	6,593	25,487,401	6,593	1,051	7,220,809	2,102				1,106	28,268,917	12,386			
Louisville, Ky.	1927	1,102	5,955,550	1,102	50	225,450	100	10	103,300	18	50	2,468,900	264	15	699,370	90
	1928	847	4,669,550	847	57	576,800	114	33	184,750	49	114	2,518,100	439	9	301,100	93
Lowell, Mass.	1927	73	322,700	73	3	17,800	6									
	1928	48	165,600	48	1	5,000	2									
Lynchburg, Va.	1927	87	355,023	87	1	9,500	2									
	1928	114	499,710	114												
Lynn, Mass.	1927	129	708,100	129	58	521,900	116				20	686,500	259	2	70,000	24
	1928	135	701,850	135	60	492,900	120				17	703,750	246			
McKeesport, Pa.	1927	223	1,353,873	223				8	99,450	10	1	33,000	6	2	26,200	7
	1928	167	808,235	167	7	71,500	14	7	58,800	10	1	35,000	8	1	7,000	4
Macon, Ga.	1927	314	1,150,065	314	1	7,000	2				2	80,000	36			
	1928	315	1,233,170	315							1	15,000	6			
Madison, Wis.	1927	390	2,051,300	390	7	57,300	14	4	49,500	5	11	315,500	76	1	65,000	4
	1928	404	4,028,000	404	17	168,800	34	7	111,900	13	8	187,500	56	4	150,000	35
Malden, Mass.	1927	153	821,675	153	116	997,850	232				9	211,000	30			
	1928	132	717,150	132	43	335,100	86				14	1,255,000	500			
Manchester, N. H.	1927	135	631,225	135	12	84,000	24				1	9,600	6			
	1928	92	262,325	92	12	77,300	24									
Mansfield, Ohio	1927	151	707,800	151										1	25,000	6
	1928	123	624,500	123	1	11,500	2	1	27,000	2						
Marion, Ind.	1927	41	91,840	41	12	35,000	24	2	6,000	4	2	18,000	8			
	1928	71	168,000	71	12	34,000	24	1	4,000	1	16	176,000	62			
Marion, Ohio	1927	123	361,650	123	1	10,000	2				1	5,000	3			
	1928	160	425,900	160	2	6,000	4				2	8,000	8			

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Medford, Mass	1927	337	2,086,600	337	134	1,098,000	268	1	19,300	1	1	70,000	22			
	1928	360	2,239,450	360	139	1,050,000	278				5	400,000	107			
Memphis, Tenn	1927	878	3,699,425	878	156	525,200	312	19	50,700	22	91	1,590,450	653			
	1928	782	3,239,080	782	180	809,550	360				83	2,051,400	745			
Meriden, Conn	1927	173	709,050	173	4	26,000	8	2	9,000	3	9	74,500	27			
	1928	121	622,700	121	4	27,000	8	1	10,000	2	2	18,500	6			
Miami, Fla	1927	581	1,264,656	581	15	34,550	30	10	23,750	10	7	118,300	61	1	58,000	16
	1928	121	557,855	121										1	35,000	3
Milwaukee, Wis	1927	1,314	7,227,412	1,314	538	4,511,520	1,076	38	547,800	60	97	3,419,500	1,322	85	2,430,400	480
	1928	979	5,742,220	979	531	4,294,950	1,062	30	410,200	43	166	6,840,899	2,454	54	1,871,000	427
Minneapolis, Minn	1927	1,427	6,259,570	1,427	129	968,100	258				55	1,291,530	504			
	1928	1,278	5,655,670	1,278	130	852,850	260				74	1,869,400	702			
Mobile, Ala	1927	365	878,500	365							3	82,000	22			
	1928	589	1,547,956	589	4	23,500	8				3	119,000	41			
Moline, Ill	1927	109	522,125	109				1	8,000	1	2	205,000	48			
	1928	108	543,084	108				1	10,000	1						
Montclair, N. J	1927	173	2,443,413	173	46	473,394	92	12	282,000	17	6	143,600	31	7	279,700	21
	1928	175	2,862,619	175	28	246,705	56				1	24,000	3	2	540,000	89
Montgomery, Ala	1927	361	720,000	361							2	100,000	32			
	1928	662	877,355	662	3	18,000	6				12	128,000	58			
Mount Vernon, N. Y	1927	240	2,598,300	240	59	718,000	118	1	16,000	2	47	7,645,000	1,686	7	861,000	165
	1928	302	3,475,335	302	37	539,600	74				32	5,453,500	1,053	7	1,523,500	207
Muncie, Ind	1927	300	1,021,746	300							1	83,150	9	2	15,400	8
	1928	337	1,016,650	337				1	5,135	1	2	113,100	33			
Muskegon, Mich	1927	119	334,350	119												
	1928	104	318,010	104												
Muskogee, Okla	1927	92	224,500	92												
	1928	102	297,850	102	3	9,500	6				1	7,000	8			
Nashville, Tenn	1927	541	1,470,650	541	5	36,000	10				12	267,000	103			
	1928	537	1,164,124	537	42	123,450	84				20	608,500	128	1	20,000	4
Newark, N. J	1927	179	1,880,197	179	407	4,829,410	814	14	260,500	19	320	17,811,300	3,861	26	1,300,000	271
	1928	77	673,923	77	181	2,185,070	362	34	584,990	62	245	11,956,580	2,563	20	1,255,000	224
Newark, Ohio	1927	65	215,500	65				1	5,000	1						
	1928	108	338,300	108												
New Bedford, Mass	1927	116	679,900	116	16	154,700	32							1	24,000	3
	1928	36	252,800	36	3	28,300	6									
New Britain, Conn	1927	154	1,090,100	154	80	663,000	160	2	42,000	2	45	388,900	221			
	1928	128	1,025,450	128	54	382,500	108				19	280,000	76	1	75,000	15
New Brunswick, N. J	1927	72	335,200	72	40	266,500	80	4	40,000	10	4	52,000	24	2	51,000	9
	1928	102	418,625	102	11	81,500	22	4	32,800	4	13	210,500	74	2	64,500	8
Newburgh, N. Y	1927	74	465,340	74	8	67,800	16									
	1928	62	380,300	62	6	49,500	12									
New Castle, Pa	1927	146	822,750	146	10	100,000	20	9	67,100	16						
	1928	133	839,125	133				5	99,700	10						
New Haven, Conn	1927	121	858,000	121	18	152,000	36				36	687,000	340			
	1928	127	908,800	127	19	168,500	38	5	45,000	8	34	1,093,000	370	1	12,000	3
New London, Conn	1927	107	768,450	107	16	150,000	32				3	106,000	32	1	21,000	4
	1928	102	782,400	102	23	239,000	46				12	373,000	56	2	59,000	14
New Orleans, La	1927	510	2,051,969	510	599	2,011,530	1,198	93	732,607	145	55	1,241,196	179	11	87,000	45
	1928	437	1,745,805	437	688	2,057,010	1,376	92	937,688	161	33	451,640	110	7	113,770	23
Newport, Ky	1927	44	182,700	44												
	1928	41	178,800	41	1	6,500	2									

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TABLE A.—*Number and estimated cost of buildings (new construction, and repairs, alterations, and additions to old buildings) covered by permits issued in 1927 and 1928, by intended use of buildings*—Continued

PART 1.—NEW RESIDENTIAL BUILDINGS—Continued

City and State	Year	Housekeeping dwellings														
		1-family dwellings			2-family dwellings			1-family and 2-family dwellings with stores combined			Multifamily dwellings			Multifamily dwellings with stores combined		
		Number	Cost	Families	Number	Cost	Families	Number	Cost	Families	Number	Cost	Families	Number	Cost	Families
Newport, R. I.	1927	35	$382,000	35	1	$12,000	2									
	1928	59	301,300	59	1	8,000	2									
Newport News, Va.	1927	55	191,336	55												
	1928	73	294,703	73							1	$52,500	28			
New Rochelle, N. Y.	1927	274	3,501,650	274	27	273,300	54	1	$19,000	1	25	4,005,240	677	3	$237,800	43
	1928	276	4,223,650	276	14	149,000	28				14	2,377,800	553	14	1,889,000	348
Newton, Mass.	1927	502	5,235,725	502	116	1,252,400	232									
	1928	575	7,026,620	575	182	1,960,100	364									
New York City, N.Y.:																
The Bronx	1927	1,211	8,981,200	1,211	1,223	13,100,150	2,446	56	832,700	98	984	101,178,500	24,374	54	8,456,000	1,896
	1928	1,271	8,949,000	1,271	537	5,749,635	1,074	42	626,000	76	783	115,621,200	27,720	102	16,912,050	3,627
Brooklyn	1927	3,843	25,648,850	3,843	2,142	22,316,200	4,284	754	9,469,500	1,508	1,570	77,759,050	19,432	311	16,906,000	4,105
	1928	2,631	17,909,150	2,631	1,270	12,281,400	2,540	540	7,019,500	1,080	1,031	74,453,400	19,311	277	13,225,500	3,376
Manhattan	1927	4	94,500	4	2	28,500	4				163	79,073,000	9,494			
	1928	12	731,000	12	4	131,000	8				229	123,860,000	15,963			
Queens	1927	10,425	60,719,140	10,425	2,107	17,428,751	4,214	648	6,155,900	1,121	1,006	49,765,100	14,597	74	3,616,000	848
	1928	8,477	47,311,810	8,477	903	7,379,500	1,806	585	5,255,100	1,013	775	55,234,150	16,295	70	5,093,100	1,206
Richmond	1927	1,258	5,999,839	1,258	121	895,250	242	59	531,000	90	2	37,000	8	2	80,000	17
	1928	1,229	5,557,609	1,229	126	911,500	252	55	498,000	82	18	1,599,000	434	5	162,000	40
Niagara Falls, N. Y.	1927	271	1,434,508	271	45	336,250	90	11	118,850	15	2	37,500	7	4	96,000	14
	1928	350	1,856,983	350	53	342,695	106	8	75,100	10	5	144,500	34	1	28,000	6
Norfolk, Va.	1927	317	1,370,900	317	3	26,000	6	4	16,500	4	13	383,000	169			
	1928	278	1,071,950	278	3	13,700	6				27	865,000	339	1	34,000	11
Norristown, Pa.	1927	56	312,900	56	4	26,000	8	1	9,500	2						
	1928	82	531,000	82	7	43,000	14									
Norwalk, Conn.	1927	221	1,649,530	221	15	125,900	30				1	60,000	13	6	143,500	21
	1928	248	1,840,483	248	21	200,200	42	3	46,000	5	8	285,000	63			
Oakland, Calif.	1927	1,537	5,599,687	1,537	51	274,780	102	9	49,373	9	85	2,238,830	930	12	335,956	116
	1928	1,012	4,122,993	1,012	22	117,750	44	10	43,900	10	82	3,737,800	1,323	2	85,000	41
Oak Park, Ill.	1927	208	2,287,600	208				3	218,000	3	38	2,991,000	567	9	762,000	140
	1928	193	2,577,955	193	1	8,000	2	2	36,500	3	26	2,243,000	475	6	400,000	72
Ogden, Utah	1927	179	507,050	179							2	335,000	21			
	1928	139	435,300	139	2	6,000	4				1	35,000	14			

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Oklahoma City, Okla.	1927	1,164	4,294,925	1,164	131	657,670	262	2	16,000	3	48	1,083,450	315	1	18,000	8
	1928	2,029	7,071,259	2,029	81	447,700	162	3	35,700	6	62	1,043,350	411	7	111,500	29
Okmulgee, Okla.	1927	12	27,900	12							1	12,000	4			
	1928	7	27,050	7	4	18,500	8									
Omaha, Nebr.	1927	338	1,683,295	338	7	56,000	14				11	387,500	125			
	1928	339	1,838,750	339	9	149,200	18				7	270,000	55			
Orange, N. J.	1927	49	460,600	49	20	201,950	40	4	78,000	6	20	2,521,000	510	4	530,000	117
	1928	19	216,900	19	33	311,500	66	2	20,000	2	11	758,000	194			
Oshkosh, Wis.	1927	162	480,839	162												
	1928	150	535,366	150	2	1,200	4	1	2,500	1						
Ottumwa, Iowa	1927	38	248,750	38												
	1928	38	204,800	38												
Paducah, Ky.	1927	136	290,000	136												
	1928	84	186,735	84	1	2,000	2				2	14,000	8			
Pasadena, Calif.	1927	457	2,979,373	457	21	91,805	42				20	841,300	279	4	63,030	12
	1928	350	2,774,358	350	31	142,867	62	1	6,500	1	24	405,204	179	1	19,000	8
Passaic, N. J.	1927	54	430,800	54	33	351,170	66	2	37,500	4	15	1,284,000	319	2	118,000	24
	1928	66	468,150	66	15	168,500	30	5	70,000	9	10	975,000	225	1	85,000	21
Paterson, N. J.	1927	224	1,079,866	224	101	684,850	202	21	193,400	27	68	1,502,100	626	16	240,000	88
	1928	175	764,900	175	67	448,313	134	16	160,300	22	70	1,175,000	408	2	32,000	9
Pawtucket, R. I.	1927	269	1,262,900	269	136	983,350	272	3	32,800	6	5	62,700	21	3	36,000	13
	1928	289	1,318,550	289	66	482,800	132	3	27,500	4	1	10,000	4	2	85,000	26
Peoria, Ill.	1927	325	1,665,150	325	2	30,000	4	1	40,000	2	3	90,000	18			
	1928	360	1,973,500	360	1	10,000	2	1	5,000	1	7	194,000	74			
Perth Amboy, N. J.	1927	77	404,183	77	22	228,800	44	3	38,000	5	2	178,000	60	2	27,850	6
	1928	52	245,677	52	8	84,780	16	7	41,625	11	2	60,000	25			
Petersburg, Va.	1927	40	150,080	40	2	5,000	4									
	1928	40	179,750	40	2	2,400	4							1	5,500	4
Philadelphia, Pa.	1927	8,681	39,990,675	8,681	16	221,540	32	281	1,513,270	371	49	10,320,770	2,484	46	2,566,120	629
	1928	7,321	31,255,670	7,321	280	1,709,350	560	172	1,190,110	215	43	13,821,960	1,990	38	3,455,490	490
Phoenix, Ariz.	1927	405	1,232,420	405	82	328,860	164				14	135,300	45			
	1928	520	1,674,357	520	66	300,565	132				12	172,000	96			
Pittsburgh, Pa.	1927	1,909	11,729,951	1,909	75	673,400	150	38	347,500	46	15	2,588,000	461	5	94,000	22
	1928	1,588	9,929,044	1,588	118	1,151,325	236	18	140,600	23	35	1,817,000	614	11	233,000	83
Pittsfield, Mass.	1927	72	480,700	72	17	135,500	34	1	8,000	1	3	33,500	11			
	1928	139	824,000	139	16	143,200	32				1	150,000	40			
Plainfield, N. J.	1927	250	1,906,915	250	19	139,050	38	5	65,100	7	7	899,000	212			
	1928	229	1,769,479	229	22	161,400	44	1	1,900	1	4	134,000	37			
Pontiac, Mich.	1927	590	2,421,056	590	64	402,500	128				40	1,592,000	351			
	1928	1,201	3,907,465	1,201	67	496,600	134				39	1,397,300	400			
Port Arthur, Tex.	1927	508	1,075,654	508												
	1928	210	457,877	210												
Port Huron, Mich.	1927	102	343,100	102				2	3,500	2						
	1928	69	184,050	69				1	6,500	2						
Portland, Me.	1927	147	681,550	147	4	40,500	8				5	268,000	61			
	1928	162	721,550	162	2	10,000	4	3	9,800	3	5	305,000	92			
Portland, Oreg.	1927	2,247	9,500,360	2,247	50	385,000	100				45	2,529,000	774	3	240,000	45
	1928	1,603	7,149,585	1,603	39	294,500	78				46	2,313,200	620	3	150,000	20
Portsmouth, Ohio	1927	213	713,645	213				5	21,800	8				1	2,500	3
	1928	161	595,450	161				2	6,900	2	2	13,000	6			
Portsmouth, Va.	1927	62	191,925	62	2	3,000	4	1	1,500	1	1	39,000	12			
	1928	71	206,055	71	1	6,000	2				1	30,000	12			

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TABLE A.—*Number and estimated cost of buildings (new construction, and repairs, alterations, and additions to old buildings) covered by permits issued in 1927 and 1928, by intended use of buildings*—Continued

PART 1.—NEW RESIDENTIAL BUILDINGS—Continued

City and State	Year	Housekeeping dwellings														
		1-family dwellings			2-family dwellings			1-family and 2-family dwellings with stores combined			Multifamily dwellings			Multifamily dwellings with stores combined		
		Number	Cost	Families	Number	Cost	Families	Number	Cost	Families	Number	Cost	Families	Number	Cost	Families
Poughkeepsie, N. Y.	1927	36	$297,000	36	10	$98,900	20	1	$9,000	2	3	$23,500	13	2	$90,000	16
	1928	57	563,050	57	4	38,500	8				5	44,000	16	2	46,000	15
Providence, R. I.	1927	444	3,586,200	444	211	2,034,500	422	14	226,700	21	37	1,120,000	256	7	237,000	45
	1928	478	4,202,600	478	173	1,697,000	346	11	131,000	14	39	1,105,000	281	3	55,000	15
Pueblo, Colo.	1927	358	893,675	358	19	115,500	38	3	7,500	5						
	1928	294	732,425	294	32	138,200	64	1	4,500	1	4	36,700	13			
Quincy, Ill.	1927	177	766,850	177							1	7,200	4			
	1928	131	517,775	131	1	12,000	2									
Quincy, Mass.	1927	489	2,304,200	489	77	583,100	154				51	637,000	263	1	160,000	20
	1928	453	2,136,900	453	70	514,700	140				63	1,044,000	384			
Racine, Wis.	1927	382	2,076,513	382	55	414,340	110	4	33,500	6	11	278,500	95	2	61,000	16
	1928	294	1,671,568	294	111	846,125	222	2	23,000	4	11	406,500	128	4	162,000	33
Reading, Pa.	1927	192	1,183,700	192				5	41,000	8	5	123,000	24	2	60,000	9
	1928	256	1,455,650	256	1	10,000	2	5	42,000	5						
Revere, Mass.	1927	121	524,900	121	44	340,000	88	4	18,500	4	5	102,000	28			
	1928	133	522,745	133	47	364,800	94				2	55,000	20			
Richmond, Ind.	1927	228	837,870	228												
	1928	153	598,342	153												
Richmond, Va.	1927	797	3,629,843	797	83	626,000	166				77	3,662,000	811			
	1928	484	2,428,501	484	36	206,665	72				13	990,000	208			
Roanoke, Va.	1927	359	1,582,286	359							4	82,225	36			
	1928	204	903,832	204	25	119,500	50				11	346,250	110			
Rochester, N. Y.	1927	1,234	6,822,905	1,234	95	852,500	190	5	48,500	8	31	1,647,500	761	32	835,840	255
	1928	858	4,983,570	858	56	467,400	112	9	107,650	14	28	2,065,500	767	15	336,589	111
Rockford, Ill.	1927	516	1,936,000	516	97	574,800	194	6	78,000	12	38	461,500	181	7	122,900	23
	1928	425	1,789,500	425	66	422,000	132	4	26,000	4	43	484,000	218			
Rock Island, Ill.	1927	153	590,275	153							3	150,000	55			
	1928	114	399,500	114							4	54,000	32			
Sacramento, Calif.	1927	793	3,268,698	793	23	123,650	46	2	9,000	2	10	178,010	94	1	39,500	24
	1928	682	2,806,322	682	56	275,050	112	1	4,700	1	11	216,900	122			
Saginaw, Mich.	1927	343	938,800	343	1	7,000	2	2	10,000	2						
	1928	522	1,353,066	522	6	32,500	12	3	22,500	3				1	61,050	40

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St. Joseph, Mo.	1927	107	261,734	107												
	1928	63	304,200	63							3	70,000	35			
St. Louis, Mo.	1927	1,589	5,798,235	1,589	436	2,764,900	872	33	248,200	46	434	6,181,000	2,610	28	1,123,000	346
	1928	1,682	6,000,340	1,682	648	4,017,340	1,296	32	327,100	48	504	7,780,200	3,764	37	1,104,000	400
St. Paul, Minn.	1927	827	4,392,054	827	40	398,520	80				15	832,800	229	4	163,200	12
	1928	667	4,028,118	667	26	258,600	52				4	210,600	46	2	31,920	8
St. Petersburg, Fla.	1927	372	1,015,600	372	12	28,900	24	4	11,500	7	6	64,500	32	2	35,000	7
	1928	170	824,100	170				1	4,000	2						
Salem, Mass.	1927	51	390,000	51	57	693,000	114	1	10,000	1	5	241,000	52			
	1928	49	332,000	49	24	260,500	48				4	114,500	23			
Salt Lake City, Utah	1927	477	2,061,560	477	34	172,500	68				15	1,010,500	305			
	1928	385	1,542,010	385	55	140,400	110				9	615,000	236			
San Antonio, Tex.	1927	1,728	5,373,134	1,728	36	250,365	72	9	36,140	9	41	753,480	350	1	33,600	12
	1928	1,972	7,169,571	1,972	85	567,595	170				61	924,390	642			
San Diego, Calif.	1927	2,008	6,607,004	2,008	83	370,626	166	16	115,790	32	81	1,004,400	407			
	1928	1,579	5,847,376	1,579	37	134,175	74	3	11,000	5	55	994,300	410	14	260,250	78
San Francisco, Calif.	1927	2,701	13,000,000	2,701	410	1,926,069	820	5	84,000	7	350	13,846,975	5,090	3	107,500	56
	1928	2,204	9,933,034	2,204	165	1,308,945	330	7	71,500	14	221	8,381,185	3,476	5	250,000	60
San Jose, Calif.	1927	281	1,040,485	281	14	53,120	28	8	35,065	12	5	110,150	53	3	35,150	11
	1928	248	947,780	248	6	29,500	12	8	73,580	10	6	230,150	94	2	20,000	6
Savannah, Ga.	1927	291	1,155,300	291	30	172,300	60				13	106,400	50			
	1928	254	805,375	254	34	278,250	68				29	346,040	108			
Schenectady, N. Y.	1927	249	1,554,150	249	11	105,000	22	9	108,000	12	5	262,000	50	2	85,000	16
	1928	240	1,540,900	240	4	40,000	8	11	65,600	18	1	23,000	3			
Scranton, Pa.	1927	160	729,900	160	49	368,200	98	10	78,700	22						
	1928	151	652,385	151	17	119,710	34	3	17,000	6	6	787,000	83	6	56,400	18
Seattle, Wash.	1927	2,750	9,464,525	2,750							106	6,290,100	1,755			
	1928	2,332	8,082,900	2,332	13	78,450	26				143	7,672,000	2,300			
Sheboygan, Wis.	1927	180	938,800	180	10	70,400	20	2	28,000	4						
	1928	155	903,600	155	14	104,600	28	2	16,200	2				1	13,000	3
Shreveport, La.	1927	123	1,355,385	123	14	55,891	28				7	45,100	34			
	1928	503	1,519,397	503	41	195,785	82				22	324,732	128			
Sioux City, Iowa	1927	194	650,700	194							8	172,800	70	1	10,000	3
	1928	197	753,750	197	5	19,000	10				7	286,000	75			
Sioux Falls, S. Dak.	1927	128	640,000	128	4	32,000	8	3	15,000	3	1	65,000	12			
	1928	151	676,480	151	30	182,440	60									
Somerville, Mass.	1927	4	16,000	4	106	1,010,920	212	2	23,000	4	30	622,500	176	1	9,000	3
	1928	2	5,800	2	64	547,500	128				2	280,000	66	1	28,000	3
South Bend, Ind.	1927	520	2,600,000	520				10	50,500	14	2	75,000	6			
	1928	555	2,851,350	555	4	25,000	8	4	39,000	4	3	36,000	12			
Spokane, Wash.	1927	507	1,888,550	507				3	10,400	3	3	147,000	85			
	1928	475	1,853,875	475				8	27,150	8	5	363,000	91			
Springfield, Ill.	1927	328	1,536,410	328	5	47,100	10	1	2,000	1	3	54,400	12	1	10,000	3
	1928	285	1,520,800	285	5	35,600	10				5	373,500	57			
Springfield, Mass.	1927	453	1,957,550	453	112	720,600	224	1	6,500	2	27	1,683,000	561			
	1928	413	1,920,650	413	45	272,400	90				8	425,000	118	3	158,000	26
Springfield, Mo.	1928	268	621,775	268	1	4,000	2	2	11,500	3	1	40,000	32			
Springfield, Ohio	1927	242	784,650	242	21	107,100	42	1	2,000	1						
	1928	251	828,950	251	24	113,600	48				1	45,000	16			
Stamford, Conn.	1927	171	1,319,300	171	60	613,500	120	1	14,000	2	11	966,000	233	4	223,300	33
	1928	200	1,614,250	200	44	453,300	88	2	34,500	4	4	127,500	36	1	15,000	3
Steubenville, Ohio	1927	126	802,100	126	9	48,000	18	1	7,500	1	5	64,000	20	2	30,000	6
	1928	155	550,000	155	3	18,000	6	12	77,000	14	3	63,000	16			

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PART 1.—NEW RESIDENTIAL BUILDINGS—Continued

City and State	Year	Housekeeping dwellings														
		1-family dwellings			2-family dwellings			1-family and 2-family dwellings with stores combined			Multifamily dwellings			Multifamily dwellings with stores combined		
		Number	Cost	Families	Number	Cost	Families	Number	Cost	Families	Number	Cost	Families	Number	Cost	Families
Stockton, Calif.	1927	292	$1,094,250	292	5	$25,200	10	2	$6,650	2	2	$88,000	48	3	$264,500	60
	1928	195	707,260	195	4	20,350	8	2	9,800	2	2	71,800	21			
Superior, Wis.	1927	72	256,550	72				8	24,200	12						
	1928	136	551,850	136												
Syracuse, N. Y.	1927	974	6,030,600	974	140	1,195,700	280	7	108,000	24	26	1,473,000	346	12	735,000	214
	1928	829	4,977,000	829	99	847,000	198	23	181,200	33	19	1,386,000	369	10	609,000	132
Tacoma, Wash.	1927	619	1,655,590	619							7	487,000	144	2	15,000	6
	1928	542	1,539,000	542							7	970,000	254	2	37,000	26
Tampa, Fla.	1927	783	1,782,245	783				7	55,350	9	7	80,800	31	1	3,500	3
	1928	602	1,495,860	602				11	47,700	11	8	76,700	34			
Taunton, Mass.	1927	65	261,905	65	4	35,500	8				1	50,000	18			
	1928	50	190,800	50	5	24,500	10									
Terre Haute, Ind.	1927	182	546,025	182				1	9,000	2						
	1928	113	336,050	113												
Toledo, Ohio	1927	1,417	5,906,425	1,417	59	432,550	118	15	177,750	28	17	568,500	158	7	120,150	28
	1928	1,155	4,902,450	1,155	76	552,125	152	23	93,750	27	11	227,800	78	5	882,000	286
Topeka, Kans.	1927	280	936,900	280							3	198,000	30	1	35,000	10
	1928	230	861,550	230	1	9,000	2				8	266,000	63	1	51,000	9
Trenton, N. J.	1927	304	1,721,150	304				4	40,000	6	1	10,000	3	1	4,500	3
	1928	173	973,600	173							4	150,000	41	2	48,500	9
Troy, N. Y.	1927	88	551,800	88	10	106,450	20	1	6,500	2						
	1928	104	593,650	104	21	152,800	42				2	40,300	11			
Tucson, Ariz.	1927	290	1,470,099	290	20	69,620	40				5	10,197	15	63	103,359	190
	1928	308	998,832	308	5	38,052	10	6	42,513	10	2	23,575	8			
Tulsa, Okla.	1927	976	4,649,100	976	99	410,575	198	1	6,000	1	26	646,100	240	2	45,000	19
	1928	1,049	4,659,100	1,049	238	1,096,100	476				44	1,765,600	641	1	93,000	21
Union City, N. J.	1927				11	127,500	22	5	117,000	10	11	488,000	133	4	313,000	90
	1928	3	18,500	3	4	45,000	8				1	17,800	4	5	245,000	69
Utica, N. Y.	1927	216	1,346,600	216	21	193,000	42	1	6,000	1						
	1928	205	1,401,100	205	13	106,000	26	2	18,000	2	3	615,000	109			
Vallejo, Calif.	1927	26	106,950	26												
	1928	43	182,950	43												
Waco, Tex.	1927	169	555,275	169				1	3,300	2						
	1928	171	608,003	171							1	23,000	6			

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Waltham, Mass	1927	140	784,500	140	43	427,750	86	1	12,000	1	13	152,000	52	1	30,000	6
	1928	177	1,003,100	177	46	421,700	92				12	154,000	51	6	165,500	42
Warren, Ohio	1927	306	1,072,459	306	6	34,000	12	3	15,500	3						
	1928	292	1,028,030	292	2	22,800	4	2	14,000	4	2	20,000	6			
Washington, D. C	1927	1,863	12,451,095	1,863	7	42,300	14	4	50,500	6	62	8,592,500	1,824	6	827,000	231
	1928	1,307	11,316,850	1,307	15	92,000	30				57	15,392,500	2,592	3	2,800,000	376
Waterbury, Conn	1927	367	1,751,500	367	70	535,000	140				55	551,000	165	1	12,000	3
	1928	225	1,071,500	225	48	375,500	96				25	422,500	153	9	94,000	30
Waterloo, Iowa	1927	142	512,900	142				1	14,000	2						
	1928	266	844,700	266										1	4,000	4
Watertown, Mass	1927	107	773,500	107	326	2,855,200	652									
	1928	80	568,600	80	187	1,678,200	374									
Watertown, N. Y	1927	50	255,550	50												
	1928	51	275,800	51	1	3,000	2									
West New York, N. J	1927	24	143,500	24	5	51,500	10				6	405,000	140	4	315,000	109
	1928	2	20,500	2	7	57,000	14	5	60,000	7	6	419,500	142	1	20,000	5
Wheeling, W. Va	1927	147	789,490	147	6	37,000	12	6	51,688	7	2	18,500	8	2	49,000	8
	1928	87	549,280	87							2	92,000	38			
White Plains, N. Y	1927	271	3,015,850	271	22	240,000	44	2	11,400	2	47	3,854,500	859	2	160,000	28
	1928	298	3,578,700	298	6	63,500	12	2	32,400	4	22	2,220,000	442	5	471,000	100
Wichita, Kans	1927	768	2,533,785	768	23	131,750	46	1	3,000	2	15	363,000	167	1	13,000	5
	1928	882	3,076,615	882	44	300,500	88	1	5,000	1	28	547,500	216	3	47,000	20
Wichita Falls, Tex	1927	496	2,023,066	496	16	53,300	32				7	73,768	20			
	1928	198	835,788	198	6	28,000	12				3	37,000	12			
Wilkes-Barre, Pa	1927	149	729,657	149	28	219,020	56	1	10,000	2	5	88,900	20	1	8,200	3
	1928	91	397,215	91	21	168,425	42				5	187,900	41			
Wilkinsburg, Pa	1927	114	696,100	114	9	81,000	18	3	18,000	3	3	51,000	11	6	130,300	20
	1928	90	1,009,095	90												
Williamsport, Pa	1927	132	615,250	132	13	76,700	26				7	75,200	51	4	75,500	24
	1928	108	549,390	108	21	141,500	42	10	26,000	10	3	13,200	9			
Wilmington, Del	1927	304	2,001,205	304				2	13,000	2	4	351,000	54	2	32,000	6
	1928	323	2,133,163	323				3	20,300	3	2	126,000	33	1	28,000	6
Wilmington, N. C	1927	53	178,200	53	6	18,200	12	2	6,400	3						
	1928	52	195,000	52	6	27,000	12									
Winston-Salem, N. C	1927	690	3,324,101	90	5	24,050	10	9	58,215	14	43	320,100	200	3	29,500	9
	1928	616	2,842,385	616	25	103,950	50	6	30,300	7	67	463,725	256	6	157,000	36
Woonsocket, R. I	1927	71	318,800	71	20	169,300	40				9	86,000	39	1	17,500	4
	1928	36	164,800	36	6	41,000	12				6	65,500	31			
Worcester, Mass	1927	469	2,913,550	469	67	586,000	134	7	68,500	14	48	684,100	178			
	1928	324	1,930,635	324	39	327,400	78				15	251,500	72			
Yonkers, N. Y	1927	591	5,751,685	591	137	1,543,800	274	2	20,000	2	155	18,262,800	3,207	3	335,000	72
	1928	622	6,933,910	622	104	1,205,800	208				136	21,074,500	3,306	4	339,000	80
York, Pa	1927	99	372,500	99										1	8,000	3
	1928	144	575,300	144												
Youngstown, Ohio	1927	928	4,476,100	928	50	420,200	100	27	233,400	36	11	186,000	53	4	123,000	31
	1928	777	4,389,835	777	33	252,400	66	20	196,700	29	3	205,000	57			
Zanesville, Ohio	1927	105	424,206	105				1	10,000	2	1	12,000	4			
	1928	128	346,285	128	3	21,500	6				1	5,000	4			
Total:																
302 cities	1927	164,268	789,382,883	164,268	25,227	208,578,118	50,454	3,329	34,978,625	5,399	13,663	736,830,499	179,177	1,768	90,666,916	19,580
310 cities	1928	145,322	715,317,535	145,322	19,963	153,157,386	39,926	2,625	26,702,412	4,283	12,070	776,520,458	190,346	1,528	90,754,524	19,780

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TABLE A.—*Number and estimated cost of buildings (new construction, and repairs, alterations, and additions to old buildings) covered by permit issued in 1927 and 1928, by intended use of buildings*—Continued

PART 1.—NEW RESIDENTIAL BUILDINGS—Continued

City and State	Year	Grand total families	Population		Ratio of families provided for per 10,000 of population based on—		Nonhousekeeping dwellings						Total new housekeeping and nonhousekeeping dwellings	
			Census of 1920	Estimate for specified year	Census of 1920	Estimate for specified year	Hotels		Lodging houses		Other		Number	Cost
							Number	Cost	Number	Cost	Number	Cost		
Akron, Ohio	1927	2,521	208,435	(1)	120.9								2,208	$12,191,595
	1928	2,557		(1)	122.7				1	$5,000	1	$300,000	2,200	12,469,148
Alameda, Calif.	1927	239	28,806	(1)	83.0								202	923,556
	1928	504		(1)	175.0		1	$40,000					184	1,469,224
Albany, N. Y.	1927	558	113,344	119,500	49.2	46.7					1	300,000	406	7,238,500
	1928	615		120,400	54.3	51.1					2	475,000	404	7,935,200
Allentown, Pa.	1927	681	73,502	97,000	92.7	70.2							539	3,557,700
	1928	556		99,400	75.6	55.9	1	230,000					495	3,395,000
Altoona, Pa.	1927	282	60,331	67,800	46.7	41.6							268	1,392,135
	1928	155		69,100	25.7	22.4					2	27,061	156	957,151
Amsterdam, N. Y.	1927	67	33,525	35,900	20.0	18.7							48	439,500
	1928	42		36,200	12.5	11.6							30	242,600
Alton, Ill.	1928	167	24,682	(1)	67.7								162	567,724
Anderson, Ind.	1927	456	29,767	(1)	153.2								339	1,206,100
	1928	268		(1)	90.0								253	881,550
Asheville, N. C.	1927	449	28,507	(1)	157.5						1	30,000	332	1,755,160
	1928	370		(1)	129.8								278	1,749,300
Ashtabula, Ohio	1927	38	22,082	(1)	17.2								37	169,700
	1928	20		(1)	9.1								20	150,250
Atlanta, Ga.	1927	2,563	200,616	249,000	127.8	102.9							1,740	6,885,011
	1928	3,170		255,100	158.0	124.3							1,698	9,968,489
Atlantic City, N. J.	1927	248	50,707	54,200	48.9	45.8					1	340,000	124	2,017,968
	1928	57		54,700	11.2	10.4	3	4,244,750	3	42,000			51	4,546,015
Auburn, N. Y.	1927	20	36,192	(1)	5.5								16	111,700
	1928	31		(1)	8.6								31	159,125
Augusta, Ga.	1927	344	52,548	56,200	65.5	61.2							328	901,318
	1928	318		56,700	60.5	56.1					1	146,540	278	962,184
Aurora, Ill.	1927	418	36,397	46,500	114.8	89.9							366	1,991,525
	1928	301		47,100	82.7	63.9							267	1,561,549
Baltimore, Md.	1927	3,546	733,826	819,000	48.3	43.3					4	306,000	3,371	14,661,000
	1928	2,884		830,400	39.3	34.7	2	2,450,000			4	331,000	2,507	15,441,000

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Bangor, Me	1927	33	25,978	(1)	12.7								32	136,600
	1928	38		(1)	14.6								37	136,550
Battle Creek, Mich	1927	268	36,164	46,100	74.1	58.1							256	918,475
	1928	177		47,200	48.9	37.5							169	752,750
Bay City, Mich	1927	42	47,554	49,400	8.8	8.5							42	161,425
	1928	57		49,600	12.0	11.5							55	229,200
Bayonne, N. J	1927	344	76,754	93,100	44.8	36.9							97	848,800
	1928	436		95,300	56.8	45.8							74	968,500
Beaumont, Tex	1928	540	40,422	56,300	133.6	95.9	1	639,000			1	187,636	542	2,313,477
Belleville, Ill	1928	136	24,823	(1)	54.8								136	666,000
Bellingham, Wash	1927	348	25,585	(1)	136.0								320	826,910
	1928	264		(1)	103.2		1	550,000					252	1,224,000
Berkeley, Calif	1927	867	56,063	69,400	154.6	124.9	3	348,500			2	66,000	646	4,145,280
	1928	1,330		71,000	237.2	187.3	1	150,000			6	543,000	460	4,800,551
Bethlehem, Pa	1927	230	50,358	66,000	45.7	34.8							145	1,279,850
	1928	223		67,600	44.3	33.0	1	15,000			1	53,000	152	1,489,000
Binghamton, N. Y	1927	310	66,800	73,900	46.4	41.9					1	54,000	169	1,346,050
	1928	306		74,800	45.8	40.9							166	1,264,421
Birmingham, Ala	1927	3,019	178,806	217,500	168.8	138.8					5	117,450	2,465	10,301,214
	1928	2,589		222,400	144.8	116.4	1	25,000					1,918	7,155,335
Bloomfield, N. J	1927	1,062	22,019	(1)	482.3						1	7,000	481	5,268,500
	1928	675		(1)	306.6								405	3,370,000
Bloomington, Ill	1927	96	28,725	(1)	33.4								87	520,000
	1928	90		(1)	31.3								86	601,000
Boston, Mass	1927	5,316	748,060	793,100	71.1	67.0					6	5,085,000	1,969	27,807,143
	1928	6,805		799,200	91.0	85.1					1	80,000	2,160	26,947,550
Bridgeport, Conn	1927	497	143,535	(1)	34.6		1	700,000					327	2,860,960
	1928	388		(1)	27.0						1	18,000	250	1,963,000
Brockton, Mass	1927	176	66,254	(1)	26.6								163	864,175
	1928	141		(1)	21.3								136	732,950
Brookline, Mass	1927	472	37,748	44,800	125.0	105.4							211	4,039,650
	1928	556		45,700	147.3	121.7							221	5,065,100
Buffalo, N. Y	1927	3,373	506,775	550,000	66.6	61.3							1,870	13,257,157
	1928	3,181		555,800	62.8	57.2					1	60,000	1,516	10,810,950
Burlington, Iowa	1927	93	24,057	(1)	38.7				1	10,000			90	257,140
	1928	55		(1)	22.9								54	178,100
Butler, Pa	1928	40	23,778	(1)	16.8								40	258,300
Butte, Mont	1927	1	41,611	43,300	.2	.2							1	10,000
	1928	7		43,600	1.7	1.6							7	11,500
Cambridge, Mass	1927	636	109,694	123,900	58.0	51.3							190	3,107,150
	1928	863		125,800	78.7	68.6							178	3,581,300
Camden, N. J	1927	559	116,309	133,100	48.1	42.0	1	260,000					505	2,539,550
	1928	350		135,400	30.1	25.8							330	1,164,950
Canton, Ohio	1927	512	87,091	113,300	58.8	45.2							474	2,531,550
	1928	374		116,800	42.9	32.0							341	2,180,850
Cedar Rapids, Iowa	1927	145	45,566	54,100	31.8	26.8							145	637,815
	1928	157		58,200	34.5	27.0							152	688,940
Central Falls, R. I	1927	74	24,174	(1)	30.6								32	259,100
	1928	44		(1)	18.2								23	92,000
Charleston, S. C	1927	38	67,957	75,000	5.6	5.1							32	91,250
	1928	46		75,900	6.8	6.1							46	160,300

[1] Population not estimated by Census Bureau.

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TABLE A.—*Number and estimated cost of buildings (new construction, and repairs, alterations, and additions to old buildings) covered by permits issued in 1927 and 1928, by intended use of buildings*—Continued

***PART 1.—NEW RESIDENTIAL BUILDINGS*—Continued**

City and State	Year	Grand total families	Population		Ratio of families provided for per 10,000 of population based on—		Nonhousekeeping dwellings						Total new housekeeping and nonhousekeeping dwellings	
			Census of 1920	Estimate for specified year	Census of 1920	Estimate for specified year	Hotels		Lodging houses		Other		Number	Cost
							Number	Cost	Number	Cost	Number	Cost		
Charleston, W. Va.	1927	269	39,607	53,400	67.9	50.4							215	$855,900
	1928	258		55,200	65.1	46.7	1	$424,500			1	$26,400	236	1,310,900
Charlotte, N. C.	1927	1,052	46,338	55,900	227.0	188.2					1	2,500	651	3,122,260
	1928	1,237		82,100	267.0	150.7	1	170,000			1	40,000	755	4,642,020
Chattanooga, Tenn.	1927	596	57,895	72,900	102.9	81.8					2	77,100	398	1,584,280
	1928	611		73,500	105.5	83.1							358	1,862,875
Chelsea, Mass.	1927	107	43,187	49,000	24.8	21.8							56	423,300
	1928	142		49,800	32.9	28.5							76	573,000
Chester, Pa.	1927	361	58,030	72,300	62.2	49.9			1	$25,000			317	1,486,500
	1928	243		74,200	41.9	32.7					1	15,000	229	1,015,000
Chicago, Ill.	1927	41,201	2,701,705	3,102,800	152.5	132.8	32	4,919,000	1	25,000	10	4,650,000	10,067	236,484,750
	1928	34,447		3,157,400	127.5	109.1	41	13,432,000	3	112,000	37	3,379,600	7,427	191,673,500
Chicopee, Mass.	1927	110	36,214	44,300	30.4	24.8							91	427,500
	1928	102		45,400	28.2	22.5					2	68,000	88	436,300
Cicero, Ill.	1927	559	44,995	68,500	124.2	81.6							250	3,328,400
	1928	464		71,600	103.1	64.8							168	2,537,600
Cincinnati, Ohio	1927	3,212	401,247	412,200	80.1	77.9					1	900,000	2,018	19,385,884
	1928	3,559		413,700	88.7	86.0					3	1,115,000	2,086	22,743,235
Clarksburg, W. Va.	1927	76	27,869	(1)	27.3		1	350,000					72	583,800
	1928	98		(1)	35.2		1	50,000					81	407,235
Cleveland, Ohio	1927	3,631	796,841	972,500	45.6	37.3	2	325,000					2,224	17,738,100
	1928	3,167		1,010,300	39.7	31.3	4	475,600			1	1,400,000	1,791	18,122,700
Clifton, N. J.	1927	567	26,470	(1)	214.2	156.6							417	2,774,785
	1928	547		(1)	206.6								331	2,539,650
Colorado Springs, Colo.	1927	67	30,105	(1)	22.3								67	236,075
	1928	95		(1)	31.6								87	340,440
Columbia, S. C.	1927	206	37,524	50,000	54.9	41.2							195	808,350
	1928	272		50,600	72.5	53.8							246	1,108,000
Columbus, Ga.	1927	325	31,125	45,800	104.4	71.0							302	990,643
	1928	321		46,600	103.1	68.9							321	700,724
Columbus, Ohio	1927	2,430	237,031	291,400	102.5	83.4			1	95,000	2	660,000	1,791	12,614,300
	1928	2,477		299,000	104.5	82.8					3	68,000	1,695	11,601,300

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Council Bluffs, Iowa	1927	136	36,162	41,600	37.6	32.7							109	466,300
	1928	94		42,300	26.0	22.2							80	261,400
Covington, Ky	1927	346	57,121	58,700	60.6	58.9					1	15,000	312	1,037,700
	1928	314		59,000	55.0	53.2			1	6,000	1	25,000	240	984,200
Cranston, R. I	1927	452	29,407	36,600	153.7	123.5							403	2,262,050
	1928	559		37,500	190.1	149.1							471	2,775,200
Cumberland, Md	1927	110	29,837	(1)	36.9								100	484,288
	1928	67		(1)	22.5								66	284,010
Dallas, Tex	1927	986	158,976	211,600	62.0	46.6							810	2,453,030
	1928	1,199		217,800	75.4	55.1	3	117,000			1	50,000	906	3,354,924
Danville, Ill	1927	192	33,776	38,200	56.8	50.3							186	833,196
	1928	164		38,800	48.6	42.3							138	599,086
Davenport, Iowa	1927	125	56,727	(1)	22.0						1	90,000	122	676,170
	1928	140		(1)	24.7								136	635,650
Dayton, Ohio	1927	1,201	152,559	180,700	78.7	66.5	1	700,000					795	5,188,900
	1928	732		184,500	48.0	39.7	1	2,234,000			2	1,089,291	383	6,026,779
Decatur, Ill	1927	613	43,818	56,000	139.9	109.5							592	3,185,400
	1928	339		57,100	77.4	59.4							333	1,967,500
Denver, Colo	1927	1,847	256,491	289,800	72.0	63.7					1	16,000	1,398	7,871,900
	1928	1,869		294,200	72.9	63.5	1	50,000			2	183,100	1,225	8,482,300
Des Moines, Iowa	1927	360	126,468	148,900	28.5	24.2							321	1,514,104
	1928	406		151,900	32.1	26.7							342	1,675,328
Detroit, Mich	1927	15,614	993,678	1,334,500	157.1	117.0	8	1,346,940			9	3,493,300	8,314	69,022,207
	1928	15,929		1,378,900	160.3	115.5	3	172,000			5	2,433,000	9,513	69,053,106
Dubuque, Iowa	1927	67	39,141	41,900	17.1	16.0							67	252,325
	1928	67		42,300	17.1	15.8					1	20,000	56	289,500
Duluth, Minn	1927	303	98,917	114,700	30.6	26.4							294	1,426,174
	1928	196		116,800	19.8	16.8	1	27,500					185	975,150
Durham, N. C	1927	508	21,719	45,700	233.9	111.2							440	1,374,305
	1928	464		47,600	213.6	97.5							412	1,582,935
East Chicago, Ind	1927	406	35,967	49,100	112.9	82.7					1	1,000	261	1,952,242
	1928	204		50,800	56.7	40.2							103	950,850
East Cleveland, Ohio	1927	258	27,292	(1)	94.5								38	963,000
	1928	136		(1)	49.8								23	186,000
Easton, Pa	1927	77	33,813	37,900	22.8	20.3					1	41,000	58	563,785
	1928	24		38,400	7.1	6.3							20	202,425
East Orange, N. J	1927	2,140	50,710	63,300	422.0	338.1							225	9,981,850
	1928	968		65,000	190.9	148.9							119	4,631,150
East Providence, R. I	1927	249	21,793	(1)	114.3								223	1,109,400
	1928	271		(1)	124.4								242	1,478,025
East St. Louis, Ill	1927	585	66,767	73,100	86.6	80.0					1	200,000	447	2,360,097
	1928	501		74,000	75.0	67.7							406	1,843,880
Elgin, Ill	1927	262	27,454	35,000	95.4	74.9							249	1,204,560
	1928	207		36,000	75.4	57.5							199	1,055,570
Elizabeth, N. J	1927	1,650	95,783	(1)	172.3		2	1,030,000			1	426,000	460	7,055,000
	1928	1,002		(1)	104.6								321	3,451,000
Elkhart, Ind	1927	224	24,277	(1)	92.3								221	859,605
	1928	155		(1)	63.8								141	590,261
Elmira, N. Y	1927	116	45,393	49,500	25.6	23.4							113	765,962
	1928	120		50,000	26.4	24.0	1	600,000	1	75,000			105	1,306,100

[1] Population not estimated by Census Bureau.

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TABLE A.—*Number and estimated cost of buildings (new construction, and repairs, alterations, and additions to old buildings) covered by permits issued in 1927 and 1928, by intended use of buildings*—Continued

PART 1.—NEW RESIDENTIAL BUILDINGS—Continued

City and State	Year	Grand total families	Population		Ratio of families provided for per 10,000 of population based on—		Nonhousekeeping dwellings						Total new housekeeping and nonhousekeeping dwellings	
			Census of 1920	Estimate for specified year	Census of 1920	Estimate for specified year	Hotels		Lodging houses		Other		Number	Cost
							Number	Cost	Number	Cost	Number	Cost		
El Paso, Tex.	1927	158	77,560	113,500	20.4	13.9	1	$42,780					71	$518,345
	1928	310		117,800	40.0	26.3	1	80,000					242	980,426
Erie, Pa.	1927	444	93,372	(1)	47.6		1	400,000					392	2,621,900
	1928	397		(1)	42.5						2	$99,000	360	2,203,500
Evanston, Ill.	1927	1,423	37,234	46,400	382.2	306.7					2	250,000	447	12,120,500
	1928	945		47,600	253.8	198.5	1	185,000					263	7,899,000
Evansville, Ind.	1927	420	85,264	96,600	49.3	43.5	2	190,000					409	1,720,900
	1928	420		98,100	49.3	42.8							400	1,488,250
Everett, Mass.	1927	440	40,120	42,900	109.7	102.6							218	1,319,500
	1928	283		43,300	70.5	65.4							91	977,600
Everett, Wash.	1928	123	27,644	(1)	44.5								110	262,300
Fall River, Mass.	1927	251	120,485	132,600	20.8	18.9							186	1,089,884
	1928	110		134,300	9.1	8.2					1	75,216	95	544,236
Fitchburg, Mass.	1927	67	41,029	44,700	16.3	15.0							61	234,900
	1928	25		45,200	6.1	5.5							22	110,500
Flint, Mich.	1927	3,559	91,599	142,700	388.5	249.4	2	370,000	3	$32,761			3,399	12,233,642
	1928	2,221		148,800	242.5	149.3	1	91,800					1,895	8,586,944
Fond du Lac, Wis.	1927	86	23,427	(1)	36.7								86	295,740
	1928	59		(1)	25.2								56	203,000
Fort Smith, Ark.	1928	61	28,870	(1)	21.1						1	2,000	62	186,488
Fort Wayne, Ind.	1927	485	86,549	103,100	56.0	47.0	2	1,107,121					483	3,585,846
	1928	407		105,300	47.0	38.7	1	185,000					404	2,313,815
Fort Worth, Tex.	1927	3,160	106,482	163,600	296.8	193.2			56	704,141	32	1,585,109	2,295	14,990,740
	1928	1,758		170,600	165.1	103.0	2	2,300,000	8	81,076	1	8,500	1,417	8,792,021
Fresno, Calif.	1927	157	45,086	62,200	34.8	25.2					1	206,792	151	743,953
	1928	146		64,000	32.4	22.8							122	480,645
Galveston, Tex.	1927	571	44,255	49,900	129.0	114.4	1	305,650					558	1,391,064
	1928	369		50,600	83.4	72.9	1	400,000					338	1,546,686
Gary, Ind.	1927	1,675	55,378	85,200	302.5	196.6	1	25,000			1	40,000	979	6,004,512
	1928	890		89,100	160.7	99.9			1	28,000			699	3,729,575
Grand Rapids, Mich.	1927	1,709	137,634	161,900	124.2	105.6							1,661	6,916,600
	1928	895		164,200	65.0	54.5	1	135,000					867	3,719,100

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Great Falls, Mont	1927	250	24,121	(1)	103.6								97	482,103
	1928	260		(1)	107.8								155	789,830
Green Bay, Wis	1927	168	31,017	35,500	54.2	47.3							166	769,555
	1928	186		36,100	60.0	51.5							176	834,180
Greensboro, N. C	1927	455	19,861	50,300	229.1	90.5							403	2,158,522
	1928	446		51,900	224.6	85.9							418	2,030,865
Greenville, S. C	1927	119	23,127	(1)	51.5								113	425,175
	1928	193		(1)	83.5		1	30,000					178	759,547
Greenwich, Conn	1927	363	22,123	(1)	164.0						1	45,000	275	4,204,335
	1928	344		(1)	155.5								266	4,559,300
Hagerstown, Md	1927	97	28,064	(1)	34.6		1	505,000					76	902,085
	1928	82		(1)	29.2								65	300,510
Hamilton, Ohio	1927	362	39,675	43,770	91.2	82.7							362	1,244,724
	1928	410		44,200	103.3	92.8							407	1,538,487
Hammond, Ind	1927	1,141	36,004	54,200	316.9	210.5							764	4,999,700
	1928	698		56,000	193.9	124.6							515	2,759,700
Hamtramck, Mich	1927	70	48,615	93,800	14.4	7.5							48	288,550
	1928	89		99,800	18.3	8.9							64	404,200
Harrisburg, Pa	1927	319	75,917	85,700	42.0	37.2							319	1,811,100
	1928	206		86,900	27.1	23.7							205	1,214,500
Hartford, Conn	1927	1,270	138,036	168,300	92.0	75.5					3	352,000	385	6,451,139
	1928	1,363		172,300	98.7	79.1					1	43,000	278	4,693,269
Haverhill, Mass	1927	99	53,884	(1)	18.4								83	386,100
	1928	68		(1)	12.6								59	271,400
Hazleton, Pa	1927	126	32,277	37,500	39.0	33.6							84	793,288
	1928	57		38,300	17.7	14.9							41	343,264
Highland Park, Mich	1927	366	46,499	81,700	78.7	44.8							15	1,296,000
	1928	117		86,400	25.2	13.5							7	364,500
Hoboken, N. J	1927	22	68,166	(1)	3.2								2	72,000
	1928	5		(1)	.7								4	70,500
Holyoke, Mass	1927	275	60,203	60,400	45.7	45.5							68	1,283,050
	1928	86		60,400	14.3	14.2							50	492,800
Houston, Tex	1927	4,536	138,276	(1)	328.0				2	62,000			3,361	15,162,955
	1928	4,463		(1)	322.8		3	270,000	1	12,000			3,440	18,088,385
Huntington, W. Va	1927	194	50,177	66,900	38.7	29.0							154	630,725
	1928	87		68,600	17.3	12.7							62	467,900
Hutchinson, Kans	1928	146	23,298	(1)	62.7								131	467,270
Indianapolis, Ind	1927	2,400	314,194	374,300	76.4	64.1							1,667	9,401,259
	1928	2,511		382,100	79.9	65.7	4	1,030,000					1,524	11,254,100
Irvington, N. J	1927	2,562	25,480	(1)	1,005.5								618	11,469,928
	1928	1,022		(1)	401.1						1	120,000	207	5,141,800
Jackson, Mich	1927	206	48,374	61,700	42.6	33.4							193	910,100
	1928	250		63,700	51.7	39.2							242	1,107,450
Jacksonville, Fla	1927	2,098	91,558	138,900	229.1	151.0							1,585	6,413,025
	1928	1,658		140,700	181.1	117.8							1,215	5,263,115
Jamestown, N. Y	1927	225	38,917	45,100	57.8	49.9							188	1,005,300
	1928	169		46,000	43.4	36.7							165	855,000
Jersey City, N. J	1927	1,287	298,103	321,500	43.2	40.0	2	222,000					258	4,874,800
	1928	2,155		324,700	72.3	66.4			1	22,000			259	7,671,000
Johnstown, Pa	1927	128	67,327	73,000	19.0	17.5							115	659,195
	1928	73		73,700	10.8	9.9							61	345,150

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TABLE A.—*Number and estimated cost of buildings (new construction, and repairs, alterations, and additions to old buildings) covered by permits issued in 1927 and 1928, by intended use of buildings*—Continued

PART 1.—NEW RESIDENTIAL BUILDINGS—Continued

City and State	Year	Grand total families	Population		Ratio of families provided for per 10,000 of population based on—		Nonhousekeeping dwellings						Total new housekeeping and nonhousekeeping dwellings	
			Census of 1920	Estimate for specified year	Census of 1920	Estimate for specified year	Hotels		Lodging houses		Other		Number	Cost
							Number	Cost	Number	Cost	Number	Cost		
Joliet, Ill.	1927	206	38,442	41,500	53.6	49.6					1	$370,000	189	$1,873,600
	1928	180		41,900	46.8	43.0							154	1,412,900
Joplin, Mo.	1927	128	29,902	(1)	42.8								115	414,200
	1928	151		(1)	50.5		1	$341,200					103	932,400
Kalamazoo, Mich.	1927	193	48,487	55,500	39.8	34.8							193	641,100
	1928	165		56,400	34.0	29.3							153	640,525
Kansas City, Kans.	1927	387	101,177	117,500	38.2	32.9							387	720,950
	1928	321		118,300	31.7	27.1			1	$7,000			293	655,620
Kansas City, Mo.	1927	3,104	324,410	383,100	95.7	81.0	1	20,000			4	222,000	1,169	8,977,864
	1928	1,969		391,000	60.7	50.4	2	180,000			1	50,000	1,047	7,859,200
Kearny, N. J.	1927	696	26,724	(1)	260.4								358	2,747,400
	1928	857		(1)	320.7								300	2,945,000
Kenosha, Wis.	1927	303	40,472	54,600	74.9	55.5							262	1,633,297
	1928	295		56,500	72.9	52.2							281	2,484,518
Kingston, N. Y.	1927	134	26,688	(1)	50.2								130	719,400
	1928	126		(1)	47.2								118	683,050
Knoxville, Tenn.	1927	818	77,818	102,100	105.1	80.1	1	32,400	1	13,200			712	3,052,853
	1928	940		105,400	120.8	89.2	1	210,000			24	512,000	801	3,909,541
Kokomo, Ind.	1927	45	30,067	39,100	15.0	11.5							42	163,500
	1928	82		40,400	27.3	20.3							42	350,262
Lakewood, Ohio	1927	582	41,732	62,200	139.5	93.6					2	5,000	203	2,893,755
	1928	537		65,000	128.7	82.6	1	1,390,000					134	3,562,400
Lancaster, Pa.	1927	247	53,150	57,700	46.5	42.8					9	36,100	254	1,396,500
	1928	154		58,300	29.0	26.4							154	839,050
Lansing, Mich.	1927	420	57,327	75,600	73.3	55.6							372	1,795,165
	1928	443		79,600	77.3	55.7							441	2,004,800
Lawrence, Mass.	1927	43	94,270	(1)	4.6								23	204,800
	1928	32		(1)	3.4								13	104,200
Lebanon, Pa.	1927	32	24,643	(1)	13.0								32	191,500
	1928	19		(1)	7.7								19	101,000
Lewiston, Me.	1927	43	31,791	36,100	13.5	11.9							28	135,500
	1928	77		36,600	24.2	21.0			1	16,000			28	164,000

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Lexington, Ky	1927	160	41,534	48,100	38.5	33.3							160	971,558
	1928	104		48,700	25.0	21.4					2	270,000	106	843,400
Lima, Ohio	1927	35	41,326	48,700	8.5	7.2							33	152,600
	1928	19		49,700	4.6	3.8							16	86,100
Lincoln, Nebr	1927	388	54,948	69,900	70.6	55.5					7	178,000	332	2,067,590
	1928	497		71,100	90.4	69.9	1	40,000			2	31,000	323	1,872,712
Little Rock, Ark	1927	514	65,142	77,500	78.9	66.3							452	1,613,018
	1928	527		79,200	80.9	66.5	1	500,000					428	2,579,137
Long Beach, Calif	1927	1,479	55,593	104,200	266.0	141.9	2	1,851,000					1,020	6,321,365
	1928	3,099		(1)	557.4		2	90,000					1,722	8,721,515
Lorain, Ohio	1927	237	37,295	44,000	63.5	53.9							237	811,300
	1928	227		44,900	60.9	50.6							227	815,140
Los Angeles, Calif	1927	20,801	576,673	(1)	360.7		19	1,979,500					10,182	64,057,617
	1928	21,081		(1)	365.6		16	1,000,200					8,766	61,977,327
Louisville, Ky	1927	1,574	234,891	320,100	67.0	49.2							1,227	9,452,570
	1928	1,542		329,400	65.6	46.8							1,060	8,250,303
Lowell, Mass	1927	79	112,759	(1)	7.0								76	340,500
	1928	50		[2] 110,296	4.4	4.5							49	170,600
Lynchburg, Va	1927	89	30,070	38,600	29.6	23.1							88	364,523
	1928	114		38,600	37.9	29.5							114	499,710
Lynn, Mass	1927	528	99,148	104,800	53.3	50.4							209	1,986,500
	1928	501		105,500	50.5	47.5							212	1,898,500
McKeesport, Pa	1927	246	46,781	49,900	52.6	49.3							234	1,512,523
	1928	203		50,400	43.4	40.3							183	980,535
Macon, Ga	1927	352	52,995	60,100	66.4	58.6							317	1,237,065
	1928	321		61,200	60.6	52.5							316	1,248,170
Madison, Wis	1927	489	38,378	48,800	127.4	100.2					5	400,000	418	2,938,600
	1928	542		50,500	141.2	107.3					5	285,000	445	4,931,200
Malden, Mass	1927	415	49,103	52,900	84.5	78.4							278	2,030,525
	1928	718		53,400	146.2	134.5							189	2,307,250
Manchester, N. H	1927	165	78,384	84,800	21.1	19.5							148	724,825
	1928	116		85,700	14.8	13.5					1	225,000	105	564,625
Mansfield, Ohio	1927	157	27,824	(1)	56.4								152	732,800
	1928	127		(1)	45.6								125	663,000
Marion, Ind	1927	77	23,747	(1)	32.4				2	11,000			59	161,840
	1928	158		(1)	66.5								100	382,000
Marion, Ohio	1927	128	27,891	(1)	45.9		1	8,000					126	384,650
	1928	172		(1)	61.7								164	439,900
Medford, Mass	1927	628	39,038	51,300	160.9	122.4							473	3,273,900
	1928	745		52,900	190.8	140.8							504	3,689,450
Memphis, Tenn	1927	1,865	162,351	178,900	114.9	104.2					2	520	1,146	5,866,295
	1928	1,887		190,200	116.2	99.2							1,045	6,100,030
Meriden, Conn	1927	211	29,867	36,800	70.6	57.3							188	818,550
	1928	137		37,100	45.9	36.9					1	100,000	129	778,200
Miami, Fla	1927	698	29,571	140,000	236.0	49.9	1	100,000	2	40,000			617	1,639,256
	1928	124		156,700	41.9	7.9	1	25,000					123	617,855
Milwaukee, Wis	1927	4,252	457,147	536,400	93.0	79.3	6	3,725,000	2	136,000	2	200,000	2,082	22,197,632
	1928	4,965		544,200	108.6	91.2	2	470,000	1	65,000	3	355,882	1,766	20,050,151
Minneapolis, Minn	1927	2,189	380,582	447,700	57.5	48.9	2	535,000			5	364,000	1,618	9,418,200
	1928	2,240		455,900	58.9	49.1	4	453,000			5	438,000	1,491	9,268,920

[1] Population not estimated by Census Bureau.

[2] State census, 1925.

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***PART 1.—NEW RESIDENTIAL BUILDINGS*—Continued**

City and State	Year	Grand total families	Population		Ratio of families provided for per 10,000 of population based on—		Nonhousekeeping dwellings						Total new housekeeping and nonhousekeeping dwellings	
			Census of 1920	Estimate for specified year	Census of 1920	Estimate for specified year	Hotels		Lodging houses		Other			
							Number	Cost	Number	Cost	Number	Cost	Number	Cost
Mobile, Ala	1927	387	60,777	67,700	63.7	57.2	1	$75,000					569	$1,035,500
	1928	638		69,600	105.0	91.7							196	1,690,456
Moline, Ill	1927	158	30,734	35,100	51.4	45.0							112	735,125
	1928	109		35,600	35.5	30.6							209	553,084
Montclair, N. J	1927	334	28,810	(1)	115.9								244	3,622,107
	1928	323		(1)	112.1						1	$29,500	307	3,702,824
Montgomery, Ala	1927	393	43,464	47,600	90.4	82.6	1	600,000					364	1,420,000
	1928	726		63,100	167.0	115.1	1	236,000					678	1,259,355
Mt. Vernon, N. Y	1927	2,211	42,726	53,300	517.5	414.8							354	11,838,300
	1928	1,636		54,700	382.9	299.1							378	10,991,935
Muncie, Ind	1927	317	36,524	45,800	86.8	69.2							303	1,120,296
	1928	371		46,800	101.6	79.3							340	1,134,885
Muskegon, Mich	1927	119	36,570	45,500	32.5	26.2							119	334,350
	1928	104		46,600	28.4	22.3	2	603,000					106	921,010
Muskogee, Okla	1927	92	30,277	32,900	30.4	28.0							92	224,500
	1928	116		33,200	38.3	34.9							106	314,350
Nashville, Tenn	1927	654	118,342	137,800	55.3	47.5	1	500,000					559	2,273,650
	1928	753		139,600	63.6	53.9							600	1,916,074
Newark, N. J	1927	5,144	414,524	466,700	124.1	110.2							946	26,081,407
	1928	3,288		473,600	79.3	69.4	2	850,000	2	$24,000	1	65,000	562	17,594,563
Newark, Ohio	1927	66	26,718	(1)	24.7								66	220,500
	1928	108		(1)	40.4								108	338,300
New Bedford, Mass	1927	151	121,217	(1)	12.5								133	858,600
	1928	42		[2] 119,539	3.5	3.5							39	281,100
New Britain, Conn	1927	537	59,316	71,200	90.5	75.4							281	2,184,000
	1928	327		72,800	55.1	44.9	1	30,000			1	210,000	204	2,002,950
New Brunswick, N. J	1927	195	32,779	39,900	59.5	48.9							122	744,700
	1928	210		40,800	64.1	51.3	1	218,000			1	40,000	134	1,065,925
Newburgh, N. Y	1927	90	30,366	30,400	29.6	23.2							82	533,140
	1928	74		30,400	24.4	29.5							68	429,800
Newcastle, Pa	1927	182	44,938	51,600	40.5	67.5							165	989,850
	1928	143		52,500	31.8	23.4							138	938,825

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New Haven, Conn	1927	497	162,537	184,900	30.6	26.9					2	187,230	177	1,884,230
	1928	546		187,900	33.6	29.1					4	302,000	190	2,529,300
New London, Conn	1927	175	25,688	(1)	68.1						1	150,000	128	1,195,450
	1928	218		(1)	84.9						1	70,000	140	1,523,400
New Orleans, La	1927	2,077	387,219	424,400	53.6	48.9	3	2,186,127			1	130,000	1,272	8,440,429
	1928	2,107		429,400	54.4	49.1							1,257	5,305,913
Newport, Ky	1927	44	29,317	(1)	15.0								44	182,700
	1928	43		(1)	14.7				2	8,500			44	193,800
Newport, R. I	1927	37	30,255	(1)	12.2								36	394,000
	1928	61		[2] 27,757	20.2	22.0							60	309,300
Newport News, Va	1927	55	35,596	51,700	15.5	10.6	1	200,000					56	391,336
	1928	101		53,300	28.4	18.9							74	347,203
New Rochelle, N. Y	1927	1,049	36,213	47,300	289.7	221.8							330	8,036,990
	1928	1,205		48,800	332.8	246.9					1	156,000	319	8,795,450
Newton, Mass	1927	734	46,054	56,000	159.4	131.1					1	75,000	619	6,563,125
	1928	939		57,300	203.9	163.9							757	8,986,720
New York City, N. Y.:														
The Bronx	1927	30,025											3,528	132,548,550
	1928	33,768											2,735	147,857,885
Brooklyn	1927	33,172					1	170,000					8,621	152,269,600
	1928	28,938					6	5,055,000					5,755	129,943,950
Manhattan	1927	9,502	5,620,048	5,970,800	187.8	176.7	20	24,127,000			21	4,056,000	210	107,379,000
	1928	15,983		6,017,500	194.9	182.0	33	49,630,000			18	11,593,500	296	185,945,500
Queens	1927	31,205					7	622,500			5	535,000	14,272	138,842,391
	1928	28,797					1	150,000					10,811	120,423,660
Richmond	1927	1,615									1	85,000	1,443	7,628,089
	1928	2,037					2	160,000			1	5,900	1,436	8,894,009
Niagara Falls, N. Y	1927	397	50,760	66,600	78.2	59.6			2	104,000	1	135,000	336	2,262,108
	1928	506		68,300	99.7	74.1							417	2,447,278
Norfolk, Va	1927	496	115,777	179,200	42.8	27.7							337	1,796,400
	1928	634		184,200	54.8	34.4	1	158,000					310	2,142,650
Norristown, Pa	1927	66	32,319	35,800	20.4	18.4							61	348,400
	1928	96		36,200	29.7	26.5							89	574,000
Norwalk, Conn	1927	285	27,743	(1)	102.7								243	1,978,930
	1928	358		(1)	129.0								280	2,371,683
Oakland, Calif	1927	2,694	216,261	267,300	124.6	100.8	3	538,000			1	350,000	1,698	9,386,626
	1928	2,430		274,100	112.4	88.7	2	282,000			2	500,000	1,132	8,889,443
Oak Park, Ill	1927	918	39,858	55,600	230.3	165.1	2	320,000			1	150,000	261	6,728,600
	1928	745		57,700	186.9	129.1	5	1,650,000					233	6,915,455
Ogden, Utah	1927	200	32,804	38,300	61.0	52.2							181	842,050
	1928	157		39,100	47.9	40.2							142	476,300
Oklahoma City, Okla	1927	1,752	91,295	(1)	191.9		3	622,000					1,349	6,692,045
	1928	2,637		(1)	288.8		1	20,000					2,183	8,729,509
Okmulgee, Okla	1927	16	17,430	(1)	9.2								13	39,900
	1928	15		(1)	8.6								11	45,550
Omaha, Nebr	1927	477	191,601	219,200	24.9	21.8					1	45,000	357	2,171,795
	1928	412		222,800	21.5	18.5	1	1,000,000					356	3,257,950
Orange, N. J	1927	722	33,268	36,100	217.0	200.0							97	3,791,550
	1928	281		36,500	84.5	77.0							65	1,306,400
Oshkosh, Wis	1927	162	33,162	33,200	48.9	48.8	1	750,000					163	1,230,839
	1928	155		33,200	46.7	46.7							153	539,066

[1] Population not estimated by Census Bureau.

[2] State census, 1925.

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TABLE A.—*Number and estimated cost of buildings (new construction, and repairs, alterations, and additions to old buildings) covered by permits issued in 1927 and 1928, by intended use of buildings*—Continued

PART 1.—NEW RESIDENTIAL BUILDINGS—Continued

City and State	Year	Grand total families	Population		Ratio of families provided for per 10,000 of population based on—		Nonhousekeeping dwellings						Total new housekeeping and nonhousekeeping dwellings	
			Census of 1920	Estimate for specified year	Census of 1920	Estimate for specified year	Hotels		Lodging houses		Other		Number	Cost
							Number	Cost	Number	Cost	Number	Cost		
Ottumwa, Iowa	1927	38	23,003	(1)	16.5								38	$248,750
	1928	38		(1)	16.5								38	204,800
Paducah, Ky	1927	136	24,735	(1)	55.0								136	290,000
	1928	94		(1)	38.0		1	$200,000	1	$3,000			89	405,735
Pasadena, Calif	1927	790	45,354	60,500	174.2	130.6	1	60,000					503	4,035,508
	1928	600		62,100	132.3	96.6	1	36,000					408	3,333,929
Passaic, N. J	1927	467	63,841	70,800	73.2	66.0	1	170,000			1	$40,000	108	2,431,470
	1928	351		71,800	55.0	48.9							97	1,766,650
Paterson, N. J	1927	1,167	135,875	143,800	85.9	81.2					1	4,000	431	3,704,216
	1928	748		144,900	55.1	51.6					1	6,000	331	2,586,513
Pawtucket, R. I	1927	581	64,248	72,100	90.4	80.6							416	2,377,750
	1928	455		73,100	70.8	62.2							361	1,923,850
Peoria, Ill	1927	349	76,121	83,500	45.8	41.8							331	1,825,150
	1928	437		84,500	57.4	51.7							369	2,182,500
Perth Amboy, N. J	1927	192	41,707	49,100	46.0	39.1							106	876,833
	1928	104		50,100	24.9	20.8							69	432,082
Petersburg, Va	1927	44	31,012	37,100	14.2	11.9							42	155,080
	1928	48		37,800	15.5	12.7							43	187,650
Philadelphia, Pa	1927	12,197	1,823,779	2,035,900	66.9	59.9					10	1,283,100	9,083	55,895,475
	1928	10,576		2,064,200	58.0	51.2	1	1,000,000			7	3,349,000	7,862	55,781,580
Phoenix, Ariz	1927	614	29,053	(1)	211.3		2	1,468,495			1	25,000	504	3,190,075
	1928	748		(1)	257.5		1	300,000					599	2,446,922
Pittsburgh, Pa	1927	2,588	588,343	665,500	44.0	38.9	3	1,390,000			1	60,000	2,046	16,882,851
	1928	2,544		673,800	43.2	37.8					2	297,000	1,772	13,567,969
Pittsfield, Mass	1927	118	41,763	49,100	28.3	24.0							93	657,700
	1928	211		50,000	50.5	42.2							156	1,117,200
Plainfield, N. J	1927	507	27,700	(1)	183.0								281	3,010,065
	1928	311		(1)	112.3								256	2,066,779
Pontiac, Mich	1927	1,069	34,273	54,000	311.9	198.0	1	200,000					695	4,615,556
	1928	1,735		61,500	506.2	282.1	2	300,000					1,309	6,101,365
Port Arthur, Tex	1927	508	22,251	(1)	228.3								508	1,075,654
	1928	210		(1)	94.4		2	462,500					212	920,377

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Port Huron, Mich	1927	104	25,944	(1)	40.1								104	346,600
	1928	71		(1)	27.4								70	190,550
Portland, Me	1927	216	69,272	77,500	31.2	27.9					2	550	158	990,600
	1928	261		78,600	37.7	33.2							172	1,046,350
Portland, Oreg	1927	3,166	258,288	(1)	122.6		2	550,000					2,347	13,204,360
	1928	2,321		(1)	89.9		1	85,000			1	60,000	1,693	10,052,285
Portsmouth, Ohio	1927	224	33,011	40,500	67.9	55.3							219	737,945
	1928	169		41,200	51.2	41.0							165	615,350
Portsmouth, Va	1927	79	54,387	60,700	14.5	13.0							66	235,425
	1928	85		61,600	15.6	13.8							73	242,055
Poughkeepsie, N. Y	1927	87	35,000	35,900	24.9	24.2							52	518,400
	1928	96		39,100	27.4	24.6							68	691,550
Providence, R. I	1927	1,188	237,595	280,600	50.0	42.3					1	80,000	714	7,284,400
	1928	1,134		286,300	47.7	39.6					2	435,000	706	7,625,600
Pueblo, Colo	1927	401	43,050	44,100	93.1	90.9							380	1,016,675
	1928	372		44,200	86.4	84.2							331	911,825
Quincy, Ill	1927	181	35,978	39,500	50.3	45.8							178	774,050
	1928	133		39,800	37.0	33.4							132	529,775
Quincy, Mass	1927	926	47,876	65,300	193.4	141.8							618	3,684,300
	1928	977		67,600	204.1	144.5							586	3,695,600
Racine, Wis	1927	609	58,593	71,300	103.9	85.4							454	2,863,853
	1928	681		74,400	116.2	91.5							422	3,109,193
Reading, Pa	1927	233	107,784	114,500	21.6	20.3					1	287,000	205	1,694,700
	1928	263		115,400	24.4	22.8					1	79,777	263	1,587,427
Revere, Mass	1927	241	28,823	35,200	83.6	68.5							174	985,400
	1928	247		36,000	85.7	68.6							182	942,545
Richmond, Ind	1927	228	26,765	(1)	85.2		1	600,000					229	1,437,870
	1928	153		(1)	57.2								153	598,342
Richmond, Va	1927	1,774	171,567	191,800	103.4	92.5					1	200,000	958	8,117,843
	1928	764		194,400	44.5	39.3	1	1,500,000			1	75,000	535	5,200,166
Roanoke, Va	1927	395	50,842	63,200	77.7	62.5							363	1,664,511
	1928	364		64,600	71.6	56.3							240	1,369,582
Rochester, N. Y	1927	2,448	295,750	324,500	82.8	75.4							1,397	10,207,245
	1928	1,862		328,200	63.0	56.7					2	194,178	968	8,154,887
Rockford, Ill	1927	926	65,651	80,900	141.0	114.5	1	1,000,000					665	4,173,200
	1928	779		82,800	118.7	94.1							538	2,721,500
Rock Island, Ill	1927	208	35,177	41,900	59.1	49.6					1	150,000	157	890,275
	1928	146		42,700	41.5	34.2							118	453,500
Sacramento, Calif	1927	959	65,908	74,600	145.5	128.6	7	329,500					836	3,948,358
	1928	917		75,700	139.1	121.1	1	45,000					751	3,347,972
Saginaw, Mich	1927	347	61,903	74,400	56.1	46.6							346	955,800
	1928	577		75,600	93.2	76.3	1	150,000					533	1,619,116
St. Joseph, Mo	1927	107	77,939	78,500	13.7	13.6							107	261,734
	1928	98		78,500	12.6	12.5							66	374,200
St. Louis, Mo	1927	5,463	772,897	839,200	70.7	65.1	4	1,995,000			3	249,000	2,527	18,359,335
	1928	7,190		848,100	93.0	84.8	9	2,967,000			3	361,000	2,915	22,556,980
St. Paul, Minn	1927	1,148	234,698	250,100	48.9	45.9	2	240,000					888	6,026,574
	1928	773		(1)	32.9								699	4,529,238
St. Petersburg, Fla	1927	442	14,237	48,500	310.5	91.1							396	1,155,500
	1928	172		53,300	120.8	32.3			1	20,000			172	848,100

[1] Population not estimated by Census Bureau.

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TABLE A.—*Number and estimated cost of buildings (new construction, and repairs, alterations, and additions to old buildings) covered by permits issued in 1927 and 1928, by intended use of buildings*—Continued

PART 1.—NEW RESIDENTIAL BUILDINGS—Continued

City and State	Year	Grand total families	Population		Ratio of families provided for per 10,000 of population based on—		Nonhousekeeping dwellings						Total new housekeeping and nonhousekeeping dwellings	
			Census of 1920	Estimate for specified year	Census of 1920	Estimate for specified year	Hotels		Lodging houses		Others			
							Number	Cost	Number	Cost	Number	Cost	Number	Cost
Salem, Mass	1927	218	42,529	42,900	51.3	50.8							114	$1,334,000
	1928	120		43,000	28.2	27.9			1	$35,000			78	742,000
Salt Lake City, Utah	1927	850	118,110	135,700	72.0	62.6							526	3,244,560
	1928	731		138,000	61.9	53.0							449	2,297,410
San Antonio, Tex	1927	2,171	161,379	211,400	134.5	102.7	2	$1,400,000					1,817	7,846,719
	1928	2,784		218,100	172.5	127.6							2,118	8,661,556
San Diego, Calif	1927	2,613	74,683	115,300	349.9	226.6	2	263,000					2,190	8,360,820
	1928	2,146		119,700	287.3	179.3	2	153,000					1,690	7,400,101
San Francisco, Calif	1927	8,674	508,676	576,000	170.5	150.6	10	2,825,000	1	6,600			3,480	31,796,144
	1928	6,084		585,300	119.6	103.9	8	2,445,800	1	15,000	1	$60,000	2,612	22,465,464
San Jose, Calif	1927	385	39,642	44,800	97.1	85.9							311	1,273,970
	1928	370		45,500	93.3	81.3							270	1,301,010
Savannah, Ga	1927	401	83,252	99,700	48.2	40.2							334	1,434,000
	1928	430		99,900	51.7	43.0							317	1,429,665
Schenectady, N. Y	1927	349	88,723	93,200	39.3	37.4					6	255,000	282	2,369,150
	1928	269		93,300	30.3	28.8			4	175,000			260	1,844,500
Scranton, Pa	1927	280	137,783	143,900	20.3	19.5					1	4,300	220	1,181,100
	1928	292		144,700	21.2	20.2					1	68,000	184	1,700,495
Seattle, Wash	1927	4,505	315,312	375,300	142.9	120.0	4	884,000	1	800			2,861	16,639,425
	1928	4,658		383,200	147.7	121.6	3	1,778,000			5	174,000	2,496	17,785,350
Sheboygan, Wis	1927	204	30,955	(1)	65.9								192	1,037,200
	1928	188		35,100	60.7	53.6							172	1,037,400
Shreveport, La	1927	185	43,874	78,000	45.1	25.4							144	1,456,376
	1928	713		81,300	162.5	87.7					1	94,988	567	2,134,902
Sioux City, Iowa	1927	267	71,227	79,000	37.5	33.8							203	833,500
	1928	282		80,000	39.6	35.3							209	1,058,750
Sioux Falls, S. Dak	1927	151	25,202	(1)	59.9								136	752,000
	1928	211		(1)	83.7								181	858,920
Somerville, Mass	1927	399	93,091	101,600	42.9	39.3					1	150,000	144	1,831,420
	1928	199		102,700	21.4	19.4							69	861,300
South Bend, Ind	1927	540	70,983	84,200	76.1	64.1							532	2,725,500
	1928	579		86,100	81.6	67.2							566	2,951,350

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Spokane, Wash	1927	595	104,437	109,000	57.0	54.6							513	2,045,950
	1928	574		109,100	55.0	52.6					1	25,000	489	2,269,025
Springfield, Ill	1927	354	59,183	66,400	59.8	53.3							338	1,649,910
	1928	352		67,200	59.5	52.4							295	1,929,900
Springfield, Mass	1927	1,240	129,614	147,400	95.7	84.1	1	500,000					594	4,867,650
	1928	647		149,800	49.9	43.2	1	500,000					470	3,276,050
Springfield, Mo	1928	305	39,631	51,700	77.0	59.0							272	677,275
Springfield, Ohio	1927	285	60,840	71,600	46.8	39.8							264	893,750
	1928	315		73,000	51.8	43.2					1	20,000	277	1,007,550
Stamford, Conn	1927	559	35,096	42,800	159.3	130.6	1	200,000					248	3,336,100
	1928	331		43,800	94.3	75.6	1	230,000					252	2,474,550
Steubenville, Ohio	1927	171	28,508	(1)	60.0		1	20,000					144	971,600
	1928	191		(1)	67.0								173	708,000
Stockton, Calif	1927	412	40,296	49,800	102.2	82.7	2	70,000					306	1,548,600
	1928	226		51,000	56.1	44.3	1	22,500					204	831,710
Superior, Wis	1927	84	39,671	(1)	21.2								80	280,750
	1928	136		(1)	34.3								136	551,850
Syracuse, N. Y	1927	1,838	171,717	197,000	107.0	93.3	1	250,000					1,160	9,792,300
	1928	1,561		199,300	90.9	78.3	1	80,000			1	55,000	982	8,135,200
Tacoma, Wash	1927	769	96,965	107,200	79.3	71.7							628	2,157,590
	1928	822		110,500	84.8	74.4					1	115,000	552	2,661,000
Tampa, Fla	1927	826	51,608	107,800	160.1	76.6	1	40,000					799	1,961,895
	1928	647		113,400	125.4	57.1	1	100,000					622	1,720,260
Taunton, Mass	1927	91	37,137	40,200	24.5	22.6							70	347,405
	1928	60		40,600	16.2	14.8	1	300,000					56	515,300
Terre Haute, Ind	1927	184	66,083	72,700	27.8	25.3							183	555,025
	1928	113		73,500	17.1	15.4							113	336,050
Toledo, Ohio	1927	1,749	243,164	305,400	71.9	57.3							1,515	7,205,375
	1928	1,698		313,200	69.8	54.2							1,270	6,658,125
Topeka, Kans	1927	320	50,022	61,900	64.0	51.7							284	1,169,900
	1928	304		62,800	60.8	48.4							240	1,187,550
Trenton, N. J	1927	316	119,289	136,700	26.5	23.1							310	1,775,650
	1928	223		139,000	18.7	16.0	1	350,000					180	1,522,100
Troy, N. Y	1927	110	72,013	72,300	15.3	15.2							99	664,750
	1928	157		72,300	21.8	21.7			1	4,000			128	790,750
Tucson, Ariz	1927	535	20,292	(1)	263.7		1	15,000					379	1,668,275
	1928	336		(1)	165.6		3	170,000	1	25,000			325	1,297,972
Tulsa, Okla	1927	1,434	72,075	150,000	199.0	95.6	2	135,000	2	27,800	2	11,500	1,110	5,931,075
	1928	2,187		170,500	303.4	128.3	5	1,240,000					1,337	8,853,800
Union City, N. J	1927	255	40,074	64,000	63.6	39.8							31	1,045,500
	1928	84		64,400	21.0	13.0							13	326,300
Utica, N. Y	1927	259	94,156	103,400	27.5	25.0							238	1,545,600
	1928	342		104,200	36.3	32.8					1	250,000	224	2,390,100
Vallejo, Calif	1927	26	21,107	(1)	12.3								26	106,950
	1928	43		(1)	20.4		1	76,000					44	258,950
Waco, Tex	1927	171	38,500	45,700	44.4	37.4	1	500,000					171	1,058,575
	1928	177		46,600	46.0	38.0							172	631,003
Waltham, Mass	1927	285	30,915	36,400	92.2	78.3							198	1,406,250
	1928	362		37,100	117.1	97.6							241	1,744,300
Warren, Ohio	1927	321	27,050	(1)	118.7								315	1,121,959
	1928	306		(1)	113.1						2	350,000	300	1,434,830

[1] Population not estimated by Census Bureau.

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TABLE A.—*Number and estimated cost of buildings (new construction, and repairs, alterations, and additions to old buildings) covered by permits issued in 1927 and 1928, by intended use of buildings*—Continued

***PART 1.—NEW RESIDENTIAL BUILDINGS*—Continued**

City and State	Year	Grand total families	Population		Ratio of families provided for per 10,000 of population based on—		Nonhousekeeping dwellings						Total new housekeeping and nonhousekeeping dwellings	
			Census of 1920	Estimate for specified year	Census of 1920	Estimate for specified year	Hotels		Lodging houses		Other			
							Number	Cost	Number	Cost	Number	Cost	Number	Cost
Washington, D. C.	1927	3,938	437,571	540,000	90.0	72.9	2	$1,350,000			3	$492,000	1,947	$23,805,395
	1928	4,305		552,000	98.4	78.0	2	3,500,000			1	236,000	1,385	33,337,350
Waterbury, Conn.	1927	675	91,715	(1)	73.6						2	98,500	495	2,948,000
	1928	504		(1)	55.0						1	77,000	308	2,040,500
Waterloo, Iowa	1927	144	36,230	37,000	39.7	38.9							143	526,900
	1928	270		37,100	74.5	72.8	1	400,000					268	1,248,700
Watertown, Mass.	1927	759	21,457	(1)	353.7								433	3,628,700
	1928	454		(1)	211.6								267	2,246,800
Watertown, N. Y.	1927	50	31,285	33,400	16.0	15.0							50	255,550
	1928	53		33,700	16.9	15.7							52	278,800
West New York, N. J.	1927	283	29,926	(1)	94.6								39	915,000
	1928	170		(1)	56.8						2	145,000	23	722,000
Wheeling, W. Va.	1927	182	56,208	(1)	32.4						2	222,600	165	1,168,278
	1928	125		(1)	22.2								89	641,280
White Plains, N. Y.	1927	1,204	21,031	(1)	572.5				1	$12,000			345	7,293,750
	1928	856		(1)	407.0		1	353,300					334	6,718,900
Wichita, Kans.	1927	988	72,217	96,100	136.8	102.8							808	3,044,535
	1928	1,207		99,300	167.1	121.6	4	640,000					962	4,616,615
Wichita Falls, Tex.	1927	548	40,079	(1)	136.7								519	2,150,134
	1928	222		(1)	55.4								207	900,788
Wilkes-Barre, Pa.	1927	230	73,833	90,900	31.2	25.3							184	1,055,777
	1928	174		91,900	23.6	18.9							117	753,540
Wilkinsburg, Pa.	1927	166	24,403	(1)	68.0								135	976,400
	1928	90		(1)	36.9								90	1,009,095
Williamsport, Pa.	1927	233	36,198	43,600	64.4	53.4					2	2,800	158	845,450
	1928	169		44,000	46.7	38.4					1	299,000	143	1,029,090
Wilmington, Del.	1927	366	110,168	126,400	33.2	29.0					1	41,122	313	2,438,327
	1928	365		128,500	33.1	28.4					1	620,000	330	2,927,463
Wilmington, N. C.	1927	68	33,372	38,400	20.4	17.7							61	202,800
	1928	64		39,100	19.2	16.4							58	222,000
Winston-Salem, N. C.	1927	923	48,395	77,100	190.7	119.7	1	29,750			2	27,350	753	3,813,066
	1928	965		80,000	199.4	120.6							720	3,597,360

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Woonsocket, R. I.	1927	154	43,496	52,300	35.4	29.4							101	591,600
	1928	79		53,400	18.2	14.8					1	3,500	49	274,800
Worcester, Mass.	1927	795	179,754	195,500	44.2	40.7					1	300,000	592	4,552,150
	1928	474		197,600	26.4	24.0					3	389,600	381	2,899,135
Yonkers, N. Y.	1927	4,146	100,176	118,800	413.9	349.0	1	100,000			1	50,000	890	26,063,285
	1928	4,216		121,300	420.9	347.6							866	29,553,210
York, Pa.	1927	102	47,152	49,600	21.6	20.6							100	380,500
	1928	144		49,900	30.5	28.9							144	575,300
Youngstown, Ohio	1927	1,148	132,358	169,400	86.7	67.8	1	400,000					1,021	5,838,700
	1928	929		174,200	70.2	53.3							833	5,043,935
Zanesville, Ohio	1927	111	29,569	(1)	37.5								107	446,206
	1928	138		(1)	46.7								132	372,785
Total:														
302 cities	1927	418,878	38,015,164	[3] 43,919,581	110.4	95.4	200	69,093,263	79	1,305,302	214	31,063,923	208,748	1,961,899,529
310 cities	1928	399,657	38,248,312	[3] 44,940,049	104.5	88.9	235	114,928,650	37	780,576	209	35,559,169	181,989	1,913,720,710

[1] Population not estimated by Census Bureau.

[3] See notes to details.

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TABLE A.—*Number and estimated cost of buildings (new construction, and repairs, alterations, and additions to old buildings) covered by permits issued in 1927 and 1928, by intended use of buildings*—Continued

PART 2.—NEW NONRESIDENTIAL BUILDINGS

City and State	Year	Amusement and recreation places		Churches		Factories, shops, etc.		Garages (public)		Garages (private)		Gasoline and service stations		Institutions		Office buildings	
		Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost
Akron, Ohio	1927	3	$818,350	9	$427,171	25	$223,400			2,262	$762,915	41	$102,009	2	$616,000		
	1928	5	235,500	3	72,500	27	1,332,975	19	$531,350	2,163	471,537	28	102,022				
Alameda, Calif.	1927	6	4,200	2	13,356	12	378,630	1	20,000	257	48,090	3	5,500			1	$5,500
	1928			2	42,700	3	13,500			187	39,401	13	15,475			2	27,820
Albany, N. Y.	1927	4	260,000	1	350,000	1	100,000	8	144,300	354	377,615	22	59,200			1	100,000
	1928	2	224,000	1	80,000	2	53,000	11	438,500	358	411,215	3	16,000	1	1,250,000	2	900,000
Allentown, Pa.	1927	3	146,000			3	230,000	6	95,500	655	351,675	10	31,700	3	530,000	2	1,500
	1928	7	357,000			4	242,500	2	45,000	517	522,915	9	38,100	1	235,000	5	198,400
Altoona, Pa.	1927			3	78,000	8	8,165			334	97,148	6	5,100	1	25,000		
	1928			4	832,690	5	201,175			263	94,427	2	2,050				
Amsterdam, N. Y.	1927	1	50,000					1	25,000	113	50,530						
	1928	1	35,000					1	5,000	119	55,875	1	3,000	2	5,500	1	250,000
Alton, Ill.	1928					4	21,185			84	25,452	4	9,100	1	78,400		
Anderson, Ind.	1927	3	117,100	3	24,500	3	28,000			128	29,240	16	91,500			1	400,000
	1928	2	1,000,000			2	2,400	1	4,000	142	27,814	3	21,500				
Asheville, N. C.	1927	1	30,000	1	2,000			12	198,500	216	28,080	13	37,000				
	1928	2	36,000	5	6,700			8	142,250	177	20,400	8	37,800			2	365,000
Ashtabula, Ohio	1927					5	49,800	3	51,500	116	26,330	7	4,150	3	850		
	1928	1	25,000	2	49,900	5	17,450	3	36,800	124	24,123	5	15,200			2	50,500
Atlanta, Ga.	1927	9	135,500	24	333,425	7	287,500	8	133,100	312	35,905	45	172,975	5	196,372	1	125,000
	1928	4	1,969,500	18	208,500	9	361,000	13	292,750	296	33,656	27	97,250	2	181,500	2	6,122,000
Atlantic City, N. J.	1927	1	115,000	1	3,500	1	20,000	3	120,000	106	32,379	6	42,250	1	476,000	4	763,800
	1928			1	115,000	1	1,000	2	265,000	70	33,365	9	70,000			2	228,000
Auburn, N. Y.	1927					4	8,500	1	2,000	137	50,252	4	6,800			2	238,000
	1928	3	28,826	1	70,000	1	2,000	2	10,410	145	41,119	10	16,950				
Augusta, Ga.	1927	1	400	2	6,000	8	15,388			103	9,399	14	46,527	1	7,000	1	9,975
	1928	1	25,000	3	11,690	2	800	1	8,500	53	4,289	8	31,800			3	2,430
Aurora, Ill.	1927	2	6,400	1	23,000	3	19,000	5	88,000	243	76,362	11	29,600			1	40,000
	1928					5	27,750	7	37,500	192	56,494	3	6,600			1	60,000
Baltimore, Md.	1927	4	85,000	15	741,000	20	723,000	51	302,900	3,353	1,764,500	40	220,300	4	570,000	5	1,135,000
	1928	1	35,000	7	618,500	26	1,144,000	15	106,000	2,204	1,304,700	34	373,000	2	420,000	4	4,152,000
Bangor, Me.	1927					2	4,200	2	53,500	64	18,505	3	875			1	40,000
	1928					1	75	2	26,500	73	22,610	3	4,800			2	265,000
Battle Creek, Mich.	1927	2	225,000	3	375,000	16	428,850	5	192,400	299	83,531	14	32,500	1	1,930,000	5	111,600
	1928	1	7,000	2	51,000	14	272,200	7	41,400	239	61,955	8	18,350	2	850,000	5	418,300

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Bay City, Mich	1927			1	53,000	7	51,325	2	37,500	286	48,620	6	20,500			2	4,200
	1928	1	50,000			8	1,051,350			185	37,181	5	10,250				
Bayonne, N. J	1927	2	130,000			24	607,000	3	26,000	72	38,100	3	2,700			1	1,000
	1928	1	5,000			10	280,180	6	34,700	75	46,650	3	7,200			1	5,300
Beaumont, Tex	1928			2	55,000					155	[1] 83,269						
Belleville, Ill	1928			1	80,000	2	19,650			108	10,231						
Bellingham, Wash	1927					4	12,000	5	8,800	166	22,845	5	3,100	2	165,000	5	39,676
	1928							2	14,350	121	13,680	15	184,950				
Berkeley, Calif	1927	2	191,750	3	169,650	6	203,050	10	108,710	666	151,302	8	12,650	3	540,852		
	1928	1	5,000	1	41,800	12	241,967	2	21,500	457	125,990	12	20,080				
Bethlehem, Pa	1927					10	233,500	4	46,800	305	182,191	7	65,200			2	38,500
	1928	2	15,962			6	29,800	6	83,800	241	152,785	8	17,200	3	1,485,208		
Binghamton, N. Y	1927	4	138,000	1	60,000	10	753,400			389	177,799	3	29,000				
	1928	2	16,000			17	895,600	2	76,000	352	110,070	5	51,350	2	60,150		
Birmingham, Ala	1927	34	650,626	28	411,112	41	1,991,414	24	323,810	311	70,699	47	285,437	3	674,812	14	1,545,062
	1928	6	260,963	22	381,716	32	540,850	17	361,930	487	78,865	22	87,900	3	228,500	17	701,434
Bloomfield, N. J	1927					3	92,500	1	20,000	424	188,700	1	1,000				
	1928			3	200,000			2	35,000	397	162,600	2	15,000			3	105,000
Bloomington, Ill	1927					2	20,700	2	6,000	38	21,500	6	18,000				
	1928			1	60,000	5	35,000	3	14,000	24	13,300	2	8,000	1	125,000	1	218,000
Boston, Mass	1927	2	150,000	5	630,000	21	611,600	13	1,506,000	1,189	909,075	19	71,600	10	1,503,413	10	3,395,780
	1928	6	442,000	6	388,000	23	1,080,000	3	424,000	1,176	946,915	28	242,100	9	1,752,248	15	8,068,000
Bridgeport, Conn	1927	1	33,000			6	110,500	8	98,700	591	268,592	8	138,620	1	37,477	6	661,300
	1928	2	18,000	1	23,000					455	255,774	17	89,100			6	29,550
Brockton, Mass	1927	1	82,000					2	16,000	257	82,300	5	55,465				
	1928			2	175,000	1	80,000	1	30,000	241	77,113	2	2,550	1	30,000		
Brookline, Mass	1927			1	175,000			3	93,500	120	133,477	3	7,350				
	1928							1	35,000	132	191,145	1	45,000				
Buffalo, N. Y	1927	8	832,500	11	924,700	75	1,907,420	272	537,258	2,591	1,059,024	87	88,715	4	1,385,000	4	513,000
	1928	3	448,000	8	271,000	78	1,389,902	235	235,190	2,211	686,074	19	16,075	3	320,000	9	2,050,000
Burlington, Iowa	1927					5	70,000	4	12,000	25	8,000	3	6,000	2	300,000		
	1928			2	8,100	3	39,500			96	29,094			2	32,380		
Butler, Pa	1928					1	1,800			38	19,740	1	1,500				
Butte, Mont	1927							1	9,000	11	2,898	2	5,150				
	1928					1	10,000	4	92,400	58	10,300	7	14,350				
Cambridge, Mass	1927	3	163,038	1	40,000	15	891,500	14	469,180	194	175,443	6	25,500	4	2,013,170	8	320,900
	1928	1	29,000	3	64,300	13	159,000	2	37,900	205	158,805	6	53,100	4	1,551,000	5	32,100
Camden, N. J	1927	2	50,000	5	172,500	36	406,985	4	43,750	444	395,800	17	76,150	1	112,000	10	181,000
	1928					36	748,600	3	28,000	284	107,580	6	39,795	1	150,000	15	2,058,875
Canton, Ohio	1927	4	237,366	6	130,000	14	464,400	7	15,250	724	198,529	21	29,250				
	1928	1	100,000	2	158,500	16	180,075	8	49,100	570	112,762	17	119,650	1	18,000	1	22,000
Cedar Rapids, Iowa	1927	3	1,140,000	1	1,000	6	133,950	3	9,000	397	79,481	12	48,195				
	1928	2	121,000	1	25,000	5	595,541	7	99,500	360	74,947	13	98,560				
Central Falls, R. I	1927			1	400,000	2	39,000	10	15,600	81	36,615						
	1928							8	14,305	25	18,040						
Charleston, S. C	1927			3	79,000					12	2,190	4	8,500			1	27,329
	1928			7	21,918	2	2,650	5	3,000	24	3,095	3	25,500			1	150,000
Charleston, W. Va	1927			1	20,000	9	15,000	2	18,000	163	43,310	11	39,124	1	18,000		
	1928			3	131,500	5	21,500	5	151,500	175	99,190	6	30,200			2	559,500
Charlotte, N. C	1927	1	250	1	40,000	9	125,080	9	94,200	58	9,885	13	34,050	1	14,000	8	941,800
	1928	4	36,000	9	402,400	18	218,615	6	263,500	81	15,959	9	25,150			11	536,800

[1] Includes public garages.

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TABLE A.—*Number and estimated cost of buildings (new construction, and repairs, alterations, and additions to old buildings) covered by permits issued in 1927 and 1928, by intended use of buildings*—Continued

***PART 2.—NEW NONRESIDENTIAL BUILDINGS*—Continued**

City and State	Year	Amusement and recreation places		Churches		Factories, shops, etc.		Garages (public)		Garages (private)		Gasoline and service stations		Institutions		Office buildings	
		Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost
Chattanooga, Tenn	1927	3	$87,250	5	$281,200	11	$207,018	9	$501,250	253	$85,733	16	$138,393			5	$478,100
	1928	3	173,000	4	154,744	18	147,643	8	80,000	121	20,617	15	46,000	1	$175,000	6	1,057,000
Chelsea, Mass	1927					5	43,000	3	23,800	39	22,805						
	1928					5	148,700	1	5,000	51	27,565					3	23,350
Chester, Pa	1927			1	3,600	8	194,800			181	104,440	2	4,300				
	1928	1	25,000	1	20,000	3	145,000	2	53,000	137	131,767	6	24,400			1	24,700
Chicago, Ill	1927	16	2,363,000	39	3,371,000	262	10,096,600	212	9,445,000	7,372	2,914,500	283	1,113,300	18	3,970,900	75	43,981,950
	1928	16	15,939,500	47	6,855,100	197	14,556,300	156	4,692,900	4,994	1,831,600	207	986,500	7	3,600,000	75	36,599,213
Chicopee, Mass	1927	2	200,000			1	10,000			167	53,750	7	31,400			2	80,400
	1928					5	90,000			143	43,575	1	400				
Cicero, Ill	1927	1	175,000	2	80,000	12	415,000	4	49,355	187	61,495	11	94,375			3	59,000
	1928	1	50,000	3	141,000	13	368,900	4	88,000	170	54,220	6	16,100			2	96,500
Cincinnati, Ohio	1927			6	519,000	18	1,468,000	14	411,000	1,659	711,045	26	62,785	2	530,000	9	1,259,500
	1928	4	102,000	2	750,000	14	763,000	17	1,426,800	1,613	793,590	20	57,600	2	610,800	2	1,335,000
Clarksburg, W. Va	1927	2	51,800	2	49,500	7	3,800	3	10,000	134	51,680	18	38,350				
	1928	1	100,000	1	4,000	4	100,700	4	53,000	107	31,325	2	11,000			3	140,200
Cleveland, Ohio	1927	18	2,845,000	5	285,000	52	954,700	31	958,500	4,540	1,059,650	140	217,300	1	250,000	3	51,000
	1928	6	619,500	8	288,000	59	1,182,600	24	615,300	3,724	876,150	86	132,300	4	4,475,000	23	5,476,600
Clifton, N. J	1927	1	2,775	1	8,000	10	137,900	6	35,800	490	160,425	5	7,175			6	83,625
	1928	1	153,000	1	5,000	10	339,500	5	63,600	436	149,260	7	16,900			3	29,300
Colorado Springs, Colo	1927			2	5,727			4	40,750	216	30,223	5	8,075				
	1928	1	24,800	1	22,000	2	5,000	1	1,500	217	33,015	5	13,500				
Columbia, S. C	1927	1	1,100	3	117,500	2	3,400			67	7,025	7	40,800			1	7,000
	1928			1	56,500	3	59,500			77	14,850	9	29,900				
Columbus, Ga	1927	1	50,000	1	900	1	74,000			62	11,102	9	33,250			1	15,000
	1928			1	8,000	3	112,000	2	1,275	60	5,019	8	51,500				
Columbus, Ohio	1927	4	1,995,000	6	111,500	11	114,000	13	1,044,000	2,681	782,050	49	110,450			6	1,487,000
	1928	4	167,000	5	152,500	21	272,800	7	30,200	2,370	701,340	17	153,400	1	$90,000	8	372,000
Council Bluffs, Iowa	1927	2	40,000			3	25,600	3	46,000	82	15,900	5	7,500				
	1928	1	3,000	1	3,000	6	61,000			74	19,050	1	500				
Covington, Ky	1927					4	40,500	3	16,000	180	84,210	1	2,000			5	134,000
	1928			1	20,000	7	41,500	1	9,000	125	70,950	2	10,000			4	52,000
Cranston, R. I	1927	1	12,000	1	8,000	6	101,100			391	164,194	4	8,140			3	2,800
	1928			1	*350,000	8	232,525			465	175,999	4	1,750				
Cumberland, Md	1927	1	13,000	1	154,000	6	67,250	4	11,400	124	31,478	3	21,250				
	1928	1	49,000	2	87,500	4	2,120			103	30,991			2	453,000		

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Dallas, Tex	1927	4	64,000	15	326,760	7	151,665	12	280,836	190	46,927	37	100,350	4	21,000	24	443,260
	1928	1	12,000	16	359,100	32	351,326	17	124,750	212	41,448	27	97,900	3	85,200	27	102,640
Danville, Ill	1927					6	50,160	1	6,500	3	2,900	4	11,742				
	1928					1	6,988	1	5,105	4	1,800	13	69,900				
Davenport, Iowa	1927	1	14,500	2	18,400	5	30,900	3	60,490	280	58,432	10	56,500	1	28,000	1	930,000
	1928	3	29,800			2	70,200	2	30,000	230	46,012	2	6,200				
Dayton, Ohio	1927	2	202,500	1	20,000	44	795,815	30	319,268	1,317	701,075	19	121,800				
	1928	2	71,616	3	39,000	45	621,433	23	611,643	1,061	550,399	11	58,000	1	80,000	5	713,000
Decatur, Ill	1927	1	650,000	5	587,500	15	180,000	18	27,050	658	163,045						
	1928			1	32,000	12	118,400	12	12,700	465	104,910			1	50.000		
Denver, Colo	1927	8	642,000	8	139,500	15	245,000	18	330,500	810	380,150	38	131,000	4	187,400	4	2,254,000
	1928			5	166,000	5	57,000	14	313,000	672	327,500	33	72,750	2	120,000	2	425,000
Des Moines, Iowa	1927	3	2,700	9	149,200			8	152,215	526	84,828	14	42,400			1	111,000
	1928	3	10,650	8	310,505	4	57,551	8	46,475	497	76,371	29	74,950	3	40,000	6	5,150
Detroit, Mich	1927	15	8,776,800	40	1,551,500	131	7,939,284	96	2,457,468	11,501	3,089,379	263	664,718	2	3,370,000	34	20,980,340
	1928	11	3,647,500	29	1,906,600	172	9,843,388	93	4,339,203	11,067	2,875,042	111	364,870	2	1,145,774	39	6,139,974
Dubuque, Iowa	1927			1	75,844	3	168,550			208	60,873	8	22,300				
	1928							2	24,000	141	39,594	4	9,500				
Duluth, Minn	1927	7	72,650	2	14,500			5	52,500	390	93,655	11	15,875				
	1928			2	46,500	5	157,000	1	13,000	156	34,814	172	52,729	2	2,500	1	60,000
Durham, N. C	1927			3	31,500	17	170,775	2	112,000	14	5,980	11	47,800	1	24,500	3	121,000
	1928			4	71,900	13	303,200	1	29,000	12	3,365	12	42,000	1	30,000		
East Chicago, Ind	1927			3	54,000	26	414,550	1	6,000	127	52,039	11	66,500	1	1,000,000	3	257,800
	1928			3	89,300	45	956,355	6	120,000	84	37,764	3	8,740			1	500,000
East Cleveland, Ohio	1927	2	54,000	1	80,000			3	42,500	126	32,035	3	1,950				
	1928			1	4,000	5	68,090	1	8,000	106	27,196	5	20,300				
Easton, Pa	1927	1	165,000	1	35,000	2	2,000	2	18,907	96	83,120	2	5,900			2	75,000
	1928	2	3,700			3	10,300	6	28,600	68	46,819	5	10,435				
East Orange, N. J	1927	4	64,681	3	242,000	3	140,000	13	309,800	395	394,039	12	53,050			4	157,500
	1928	1	46,000			4	20,862	5	85,000	311	280,875	14	99,000			9	461,200
East Providence, R. I	1927	2	12,000			5	850,000	2	12,000	240	130,500	15	30,000			1	10,000
	1928	1	60,000	1	3,000	16	336,800	6	74,750	264	110,142	5	5,800			5	92,000
East St. Louis, Ill	1927	4	1,059,800	2	60,000	6	108,425	1	15,000	442	83,316	21	39,100			6	1,024,500
	1928			4	24,000	10	182,531			336	74,154	22	54,642			3	25,000
Elgin, Ill	1927	2	39,350	1	23,500	4	102,500	1	3,000	325	116,373	2	11,700				
	1928					1	7,000	4	49,000	308	102,005	4	17,500			1	600,000
Elizabeth, N. J	1927	5	168,000	2	20,000	9	326,000	4	84,000	619	221,500	6	30,000	1	301,000	7	880,000
	1928	2	77,000	3	166,000	8	143,000	1	16,000	526	184,500	17	65,000			4	102,500
Elkhart, Ind	1927					7	750,900	3	46,450	218	44,447	16	38,550				
	1928			1	2,500	6	32,325			252	56,580	12	28,700				
Elmira, N. Y	1927	1	18,000			2	2,650	6	45,100	249	52,021	3	4,400				
	1928	1	10,500			4	25,800	5	28,100	232	43,034	9	27,300				
El Paso, Tex	1927	1	8,000	4	8,700			1	3,000	172	25,080	1	500	2	14,500	2	30,000
	1928	1	1,500	2	16,750	7	38,100	5	15,875	206	44,969	9	41,759	1	6,000	4	24,980
Erie, Pa	1927	4	54,400	2	182,570	5	39,250	5	161,000	772	205,326	5	9,150			3	4,500
	1928	3	38,100	2	17,700	14	169,100	55	107,385	612	151,709	10	37,200			4	29,300
Evanston, Ill	1927			2	96,000	3	180,000	4	131,000	556	330,755	6	28,000	1	40,000	1	400,000
	1928	1	800,000					3	90,000	379	285,775	4	20,000	1	400,000	2	351,500
Evansville, Ind	1927	1	21,000	3	228,000	6	290,500	8	64,850	380	49,571	20	75,690	8	98,100	2	128,400
	1928			2	65,000	18	1,348,500	10	111,900	397	47,729	14	155,250	4	140,500		
Everett, Mass	1927			1	100,000	12	236,765	2	2,000	183	87,250						
	1928			2	177,500	6	103,913	4	3,950	172	75,250	1	1,000				

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TABLE A.—*Number and estimated cost of buildings (new construction, and repairs, alterations, and additions to old buildings) covered by permits issued in 1927 and 1928, by intended use of buildings*—Continued

***PART 2.—NEW NONRESIDENTIAL BUILDINGS*—Continued**

City and State	Year	Amusement and recreation places		Churches		Factories, shops, etc.		Garages (public)		Garages (private)		Gasoline and service stations		Institutions		Office buildings	
		Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost
Everett, Wash	1928			1	$8,000	3	$11,000			174	$10,640	8	$17,200				
Fall River, Mass	1927	3	$18,525	2	188,000	4	25,450	22	$24,950	200	71,690	7	8,315				
	1928	4	199,150	1	200,000	8	50,590	14	21,850	132	43,834	11	39,950			8	$681,000
Fitchburg, Mich	1927					2	45,000	3	182,700	104	32,365	2	2,375			1	25,000
	1928	1	175,000	1	160,000	3	69,000	2	10,500	59	17,885	4	6,900				
Flint, Mich	1927	7	514,500	10	355,150	53	3,026,348	18	111,149	2,215	666,616	18	45,695	1	$11,200	26	1,157,865
	1928	5	942,000	16	63,545	36	580,225	18	155,747	1,706	528,769	39	206,065			9	251,600
Fond du Lac, Wis	1927									172	34,592	5	12,700				
	1928					3	6,550	2	5,000	149	22,231	8	8,930				
Fort Smith, Ark	1928	2	229,800			8	31,900			151	19,579	9	25,430				
Fort Wayne, Ind	1927	1	10,000	3	345,872	13	251,190	4	40,400	810	275,988	19	48,500	1	180,000	6	162,475
	1928			2	14,000	7	100,068	6	61,100	716	208,592	17	91,783	3	631,384		
Fort Worth, Tex	1927	21	135,512	12	115,865	6	78,914	103	484,168	496	77,795	35	100,502	2	62,162	4	1,685,804
	1928	10	66,500	26	283,698	10	188,682	49	371,137	296	52,495	20	61,457				
Fresno, Calif	1927	3	427,153	5	27,300	6	10,250	4	7,500	221	35,982	13	17,350			1	11,910
	1928	1	25,000	1	50,000	8	23,125	2	2,800	158	26,450	16	19,677			2	38,000
Galveston, Tex	1927	3	3,550	1	6,500	11	494,050			213	23,248	3	5,250				
	1928	3	100,300			1	8,000	2	12,000	178	29,476	1	2,000	2	97,000	1	158,000
Gary, Ind	1927	5	868,500	5	75,000	12	86,450	6	184,500	825	293,475	11	29,925	1	40,000	10	1,054,860
	1928	2	12,800	10	145,700	4	71,000	6	110,800	608	227,790	9	24,450	10	141,200		
Grand Rapids, Mich	1927			5	299,000	10	305,600	20	81,000	2,402	669,735	40	117,600			22	452,100
	1928			5	287,000	10	556,800	16	185,900	1,498	363,790	22	79,160			3	13,500
Great Falls, Mont	1927	1	22,000	4	115,300	1	43,000	2	39,500	167	47,236	2	6,000	2	54,995		
	1928	2	57,656	1	42,500	2	8,350	6	124,230	157	43,800	3	11,200				
Green Bay, Wis	1927					1	2,200	4	24,600	312	62,239			2	158,640		
	1928			1	127,000	2	3,500	2	7,100	233	39,338	6	1,625				
Greensboro, N. C	1927			6	117,450	11	347,543	2	18,898	115	15,675	8	36,000			2	550,000
	1928	1	142,000	5	472,600	14	247,225	5	233,000	98	15,393	10	45,150	1	27,880		
Greenville, S. C	1927			5	195,300	1	18,000	2	36,000	48	14,200						
	1928	1	5,000	7	174,000	4	4,700	1	1,000	26	2,450	1	6,000				
Greenwich, Conn	1927					1	75,000	1	3,000	120	75,020	2	2,500				
	1928	7	557,000	1	78,000	1	31,000	3	86,700	119	110,725	6	10,000				
Hagerstown, Md	1927					5	54,700	3	52,500	162	37,255	1	25,000			2	65,000
	1928			2	107,000	5	22,950			136	27,030						
Hamilton, Ohio	1927	1	157,214	1	12,000	3	25,000			175	38,521	5	17,950				
	1928			1	1,000	2	1,400			189	53,072	2	11,650	1	4,000		

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Hammond, Ind	1927	2	100,000	5	115,000	4	180,600	8	108,300	283	127,700	9	21,700					
	1928	1	20,000	2	107,000	2	2,190,000	24	17,500	242	171,680	3	6,000					
Hamtramck, Mich	1927			2	450,000	4	77,000	3	7,500	172	48,902	3	5,200			2	59,000	
	1928	4	253,000			2	38,300	3	85,000	168	44,240	3	4,500			3	92,000	
Harrisburg, Pa	1927	2	22,600	2	120,000	4	28,000	1	32,000	271	197,365	8	57,000					
	1928	1	6,000	1	60,000	4	48,750	8	37,400	259	161,235	6	38,000	1	10,500	1	10,000	
Hartford, Conn	1927	3	240,235	3	245,938	16	498,050	14	216,000	579	466,010	8	73,160	3	470,000	2	2,003,000	
	1928	2	206,500			12	294,945	9	170,700	419	462,353	15	53,700	3	310,400	4	367,900	
Haverhill, Mass	1927	2	152,500			2	2,750	16	13,200	147	44,745	4	7,885					
	1928					2	51,500	9	27,820	127	38,745	9	27,350	1	1,400			
Hazleton, Pa	1927	1	230,000	2	228,000	6	14,321	1	35,100	108	186,627	4	14,082					
	1928	2	202,290	2	315,273	1	4,644	1	10,400	56	77,127	3	2,958					
Highland Park, Mich	1927					3	395,000	4	115,000	124	60,325	2	6,000					
	1928			3	263,200	4	776,000	2	34,000	155	67,927	1	3,000					
Hoboken, N. J	1927	1	387,000			7	395,300	6	77,800	15	18,750							
	1928					6	31,600	4	72,500	20	37,290	3	6,000			1	50,000	
Holyoke, Mass	1927					8	44,100	22	32,650	110	54,800	9	34,400					
	1928	1	18,000			4	19,000	13	26,750	109	45,750	6	11,350	1	35,000	5	225,550	
Houston, Tex	1927	3	903,000	27	371,040	43	1,678,375	22	623,675	148	73,155	52	108,618	5	859,500	16	1,999,912	
	1928	6	309,000	27	643,650	41	1,322,686	27	505,650	154	94,301	52	163,029	4	100,500	22	6,261,803	
Huntington, W. Va	1927	1	350,000	5	147,000	5	50,800	3	132,500	162	37,811	3	3,800			2	9,500	
	1928	1	182,000	2	160,000	2	30,000	2	10,000	120	12,500	4	29,000					
Hutchinson, Kans	1928	1	8,000	2	55,000	14	10,685			191	35,410	9	24,650					
Indianapolis, Ind	1927	7	2,450,921	16	420,040	59	1,008,669	15	102,929	4,563	1,081,264	39	128,850	3	862,000	6	28,000	
	1928	2	84,000	18	1,608,500	25	1,660,972	24	182,620	2,755	712,179	100	116,675	3	665,000	5	116,600	
Irvington, N. J	1927	1	125,000			8	176,500	7	158,500	738	490,079	4	17,200					
	1928			1	5,000	11	313,500	10	308,500	493	343,923	12	34,300					
Jackson, Mich	1927	2	428,422			1	5,000			403	83,446					2	538,525	
	1928	1	35,000	2	76,300	4	3,100			361	97,494							
Jacksonville, Fla	1927	7	219,300	18	421,650	10	51,750	12	301,500	414	95,035	19	83,550	1	900,000	2	160,000	
	1928	1	14,000	9	361,500	14	124,700	9	59,500	320	64,885	30	96,450			2	98,000	
Jamestown, N. Y	1927					6	136,500			318	108,225	3	8,800	1	300,000			
	1928			3	107,000	2	85,200			233	83,590	2	8,300					
Jersey City, N. J	1927	1	700,000			25	2,539,495	36	334,254	362	301,267	7	13,961			16	1,391,479	
	1928	1	1,000,000	2	105,000	17	513,500	29	288,880	294	276,799	9	61,300	2	740,000	12	663,700	
Johnstown, Pa	1927			2	71,000	16	110,450	2	25,000	158	89,101	9	94,000					
	1928	1	375	1	6,000	11	27,975			137	75,159	3	20,000	1	175,000	3	37,000	
Joliet, Ill	1927			3	98,700	1	40,000	4	68,000	21	29,250	4	17,000	1	100,000	1	110,000	
	1928			3	46,000	8	256,800	13	50,000	10	6,678	5	30,000	2	52,500	1	40,000	
Joplin, Mo	1927	1	5,000	3	62,000			9	99,900	74	30,005	18	52,520					
	1928					6	75,750	3	47,000	91	33,493	5	8,750					
Kalamazoo, Mich	1927			2	228,000	13	123,482	9	72,550	267	43,434	10	32,100	2	516,000			
	1928			2	304,000	16	208,996	8	84,219	232	36,828	7	14,400			2	40,250	
Kansas City, Kans	1927			8	61,500	8	138,800	1	1,500	203	24,615	8	20,300					
	1928	2	65,000	4	15,200	9	471,000	1	7,500	272	33,277	4	3,700			2	77,500	
Kansas City, Mo	1927	5	192,125	11	314,500	50	1,495,432	13	145,000	592	122,175	65	156,200					
	1928	4	990,000	6	154,000	16	1,347,500	17	512,500	402	138,975	37	182,200	6	785,000	5	1,552,000	
Kearny, N. J	1927	1	10,000	1	40,000	10	2,181,500	6	156,000	261	81,855	7	20,400			5	441,880	
	1928			1	15,000	7	2,682,850	4	103,500	242	82,710	3	2,500	1	100,000	3	105,000	
Kenosha, Wis	1927	3	740,000	1	60,000	5	323,000			371	109,395	10	42,500	2	313,000	1	395,000	
	1928			2	254,375			1	12,000	313	97,476	3	12,500					
Kingston, N. Y	1927			3	117,000	3	95,000	8	16,900	195	63,785	7	4,250	2	315,000	1	115,000	
	1928	1	500	1	2,000	2	18,500	8	57,526	164	56,065	5	13,000			2	145,000	

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TABLE A.—*Number and estimated cost of buildings (new construction, and repairs, alterations, and additions to old buildings) covered by permits issued in 1927 and 1928, by intended use of buildings*—Continued

***PART 2.—NEW NONRESIDENTIAL BUILDINGS*—Continued**

City and State	Year	Amusement and recreation places		Churches		Factories, shops, etc.		Garages (public)		Garages (private)		Gasoline and service stations		Institutions		Office buildings	
		Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost
Knoxville, Tenn	1927	5	$192,000	11	$131,300	14	$368,256	19	$166,800	270	$45,550	24	$40,560	3	$136,800	1	$87,000
	1928	5	42,240	8	210,600	10	79,000	19	298,560	92	14,538	27	75,425			11	572,400
Kokomo, Ind	1927	2	3,500	1	6,000	9	124,420	6	37,200	197	34,034	8	24,575			2	2,660
	1928							2	10,000	283	34,221	9	28,600				
Lakewood, Ohio	1927			2	19,000			3	63,500	422	113,835	6	15,000				
	1928	1	35,000	3	355,000	1	75,000	1	15,000	323	93,976	11	21,900				
Lancaster, Pa	1927			1	5,000	2	5,800	4	31,200	160	121,195	1	5,000				
	1928							9	35,700	130	97,875					1	500,000
Lansing, Mich	1927			2	44,000	5	3,350,000	1	8,000	463	139,790	24	77,625	1	80,000	1	226,000
	1928			4	72,000	10	1,415,400			409	92,875	9	136,700	1	73,000	2	75,000
Lawrence, Mass	1927	1	125,000	1	15,000	4	52,000	28	47,000	82	38,915	13	24,705			3	162,000
	1928							16	26,150	85	37,825						
Lebanon, Pa	1927					11	115,000	1	25,000	203	85,000	2	10,000				
	1928							2	16,500	48	14,000	4	15,500				
Lewiston, Me	1927			1	15,000					30	2,100	2	500	1	300,000		
	1928	1	65,000	1	200,000	1	90,000	1	5,000	17	41,000			1	225,000		
Lexington, Ky	1927	1	254,960	6	343,200					126	172,555	6	21,000				
	1928	1	20,000	1	42,000			10	87,134	132	18,135	9	94,550				
Lima, Ohio	1927	1	170,000	1	7,000	4	64,500			166	24,800	7	28,200				
	1928	1	12,000	1	10,000	1	500	2	70,000	144	18,267	4	13,200				
Lincoln, Nebr	1927	1	900,000	4	102,900	5	34,500	15	116,770	471	86,528	17	30,150			18	732,700
	1928			1	12,500	4	43,800	20	198,094	479	97,907	9	21,800	2	224,000		
Little Rock, Ark	1927	1	300,000	7	228,750	1	10,000			168	32,370	10	51,750				
	1928	1	500	2	2,800					168	27,711	2	7,300			2	650,000
Long Beach, Calif	1927	6	62,500	4	99,625	198	2,836,155	15	98,400	961	345,570	15	16,550				
	1928	9	156,500	3	13,000	142	2,071,215	39	273,450	1,418	521,565	29	36,780	2	50,000		
Lorain, Ohio	1927	2	118,000	3	104,000	3	25,700	1	4,500	195	34,519	1	3,000				
	1928	1	450			1	400			234	39,944	6	22,000				
Los Angeles, Calif	1927	49	4,075,925	44	1,801,725	258	3,017,873	146	2,002,734	10,025	2,627,398	354	347,697	17	9,281,883	80	3,492,595
	1928	39	577,493	43	1,909,944	284	2,919,254	97	569,330	8,378	2,522,701	472	410,281	19	1,086,782	66	4,203,490
Louisville, Ky	1927	3	1,231,750	16	1,343,250	15	1,121,000	38	643,725	513	149,975	14	54,500	2	1,900,000	2	2,750,000
	1928			12	948,500	21	1,191,000	13	158,510	679	205,355	6	25,300			2	900,000
Lowell, Mass	1927	1	40,000	1	55,000			2	6,500	180	40,800	7	28,500				
	1928	1	135,000			1	1,500			139	31,935	7	12,225				
Lynchburg, Va	1927	1	1,500	8	289,000	4	46,800	5	202,550	114	15,256	5	42,000			1	5,500
	1928	2	8,000	12	48,500			1	6,600	93	15,524	8	25,625	2	22,924		

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Lynn, Mass	1927	2	150,500	2	73,000	10	140,675	18	68,570	341	119,035	4	8,000						
	1928	4	800	2	2,200	9	302,800	12	35,900	360	117,931	5	6,240	1	150,000	1	15,000
McKeesport, Pa	1927	1	33,900	1	15,300	3	8,200	6	15,920	182	64,402			1	72,000	1	48,000
	1928	1	377,850	2	48,000	1	15,000			157	54,956	5	22,500				
Macon, Ga	1927	1	32,800	3	199,997	1	61,000			50	5,600	11	44,100				
	1928	1	5,000	3	33,926	4	48,200			80	9,970	7	31,100			2	115,300
Madison, Wis	1927			1	47,000	7	143,072	7	320,000	390	90,404	14	69,910	1	15,000	1	35,000
	1928			2	357,123	15	182,950	3	62,500	437	104,800	16	93,300			1	200,000
Malden, Mass	1927					4	179,000	10	27,200	231	105,291	8	44,200				
	1928					3	70,000	4	40,500	181	81,617	6	37,900				
Manchester, N. H	1927	1	200,000			6	59,935	3	48,000	246	76,341	3	950				
	1928					3	7,400	7	80,500	196	63,705	10	30,300				
Mansfield, Ohio	1927	1	500,000			1	18,700	1	2,000	267	56,890	8	20,600			2	40,300
	1928					4	88,000	1	8,000	207	39,462	5	17,650			4	740,000
Marion, Ind	1927	1	160,000			3	63,000	4	24,000	64	12,800	9	27,100				
	1928	3	443,000	2	55,000	24	75,000	4	57,000	112	20,160	14	30,000				
Marion, Ohio	1927			1	20,000	4	17,600			268	30,210	4	4,900			1	6,000
	1928	1	400,000	3	58,000	3	14,300			316	36,830	3	22,000				
Medford, Mass	1927	2	235,000					14	78,900	343	179,591	4	27,800				
	1928			1	128,000	3	17,500	13	16,200	346	169,612	2	22,500			3	101,500
Memphis, Tenn	1927	4	67,600	6	168,350	9	426,200	7	319,800	897	254,215	18	140,400	3	166,400	4	291,200
	1928	3	788,600	2	14,300	5	96,200	5	119,600	934	284,384	23	80,860	2	143,000	3	2,605,100
Meriden, Conn	1927	2	97,500			1	9,000	3	17,000	170	112,113	5	7,050			2	72,000
	1928									135	66,510	1	2,000			4	138,666
Miami, Fla	1927	6	134,000	23	830,900	15	93,750	32	294,650	456	116,799	35	75,550			1	1,250
	1928	14	70,525	7	40,900	4	4,500	12	101,750	189	39,698	18	39,550			3	41,701
Milwaukee, Wis	1927	9	2,374,667	3	59,500	27	712,900	33	901,040	3,723	1,447,334	60	138,725	3	539,000	16	231,919
	1928	1	300,000	4	222,948	41	1,359,371	21	786,900	2,711	1,037,086	23	52,210	2	879,738	24	1,503,250
Minneapolis, Minn	1927	4	1,179,400	12	361,800	21	719,500	38	163,335	2,562	592,205	76	163,550	1	140,000	17	1,308,825
	1928	1	600	12	335,700	21	315,725	45	233,825	2,367	577,630	53	138,925	3	693,210	19	5,654,150
Mobile, Ala	1927	1	31,000	2	39,000	1	11,000	3	94,000	11	5,520	12	81,668	3	25,000	1	75,000
	1928			6	68,752	2	125,500	5	71,600	514	102,530	3	15,472			3	628,000
Moline, Ill	1927					4	136,856	4	31,200	176	49,146	5	13,481				
	1928	2	383,131	1	51,800	10	318,538	3	45,460	160	42,612	4	14,975			1	3,500
Montclair, N. J	1927			1	80,000			2	23,000	365	238,871	10	28,553	1	10,000	2	28,000
	1928									316	230,411	3	31,000	1	100,000	1	500
Montgomery, Ala	1927	3	6,500	3	91,600	1	15,000	1	30,000	90	9,000	3	10,400				
	1928	4	150,000	2	100,000	2	175,000			400	40,000	5	10,000				
Mt. Vernon, N. Y	1927			2	58,000	8	124,000	18	754,000	260	175,627	18	151,300			7	1,173,000
	1928	1	97,000	1	7,000	1	20,000	23	1,310,000	224	134,831	11	47,800			5	327,176
Muncie, Ind	1927	1	4,500	3	192,095	15	135,518	4	16,900	437	82,250	10	17,735	1	743,200	4	38,000
	1928	6	236,325	2	33,175	11	160,468	3	112,905	520	94,783	3	5,490	2	296,750		
Muskegon, Mich	1927			2	15,000	1	7,500			228	108,687	12	106,100				
	1928			2	275,000	3	21,200			253	53,847	9	63,150				
Muskogee, Okla	1927			7	49,150	2	16,000			46	12,027	8	6,855	1	97,500	2	46,000
	1928			1	15,000	4	15,900			80	13,795	8	20,500	1	67,500		
Nashville, Tenn	1927	4	214,000	8	228,000	4	113,700	10	124,700	136	13,450	11	33,900			4	28,000
	1928	3	38,500	7	418,000	10	833,500	13	193,700	130	13,210	17	44,800				
Newark, N. J	1927	4	147,600	2	172,000	67	2,040,532	134	543,740	1,271	1,615,604	23	171,650	1	785,000	42	7,936,402
	1928	8	3,621,000	2	30,000	41	1,348,762	12	508,542	942	1,136,609	26	130,600	2	240,000	27	1,826,644
Newark, Ohio	1927	1	68,177			1	20,000	2	11,200	137	27,804	5	17,200			1	150,000
	1928	1	200,000					2	10,800	167	32,416	4	6,000				

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TABLE A.—*Number and estimated cost of buildings (new construction, and repairs, alterations, and additions to old buildings) covered by permits issued in 1927 and 1928, by intended use of buildings*—Continued

***PART 2.—NEW NONRESIDENTIAL BUILDINGS*—Continued**

City and State	Year	Amusement and recreation places		Churches		Factories, shops, etc.		Garages (public)		Garages (private)		Gasoline and service stations		Institutions		Office buildings	
		Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost
New Bedford, Mass.	1927	1	$1,500	3	$34,000	37	$181,725	16	$56,300	295	$227,300	31	$89,450				
	1928					9	114,750	5	16,500	114	66,665	10	31,400				
New Britain, Conn.	1927	1	25,000			1	7,000			324	212,540	10	36,250			2	$211,000
	1928	1	50,000	2	91,000	12	500,900			220	113,290	1	1,025				
New Brunswick, N. J.	1927	1	100,000	1	53,900	3	109,100	3	33,000	159	33,500	3	7,000	2	$475,000	4	290,000
	1928	1	18,000	2	183,000	3	138,000	2	38,175	106	23,575	3	14,500			2	61,695
Newburgh, N. Y.	1927			2	155,000	3	99,000	15	62,200	97	48,390	1	4,000				
	1928	1	148,000			3	155,000	11	33,425	100	51,350						
New Castle, Pa.	1927			1	38,000	6	67,300	3	19,500	306	79,580	8	33,500	1	270,000	10	392,300
	1928			3	141,000	2	40,000	5	130,000	244	69,920	1	4,000				
New Haven, Conn.	1927	4	533,000	2	52,000	14	348,000			449	340,723	21	76,550			6	529,000
	1928	3	205,000			18	1,087,362	9	138,000	331	466,000	20	80,500	1	90,000	3	364,166
New London, Conn.	1927	3	7,600			4	8,200			180	107,850	3	11,200				
	1928	2	8,300			2	35,000	10	96,500	179	105,165	2	9,000	1	40,000		
New Orleans, La.	1927	7	234,060	5	101,900	9	193,072	7	72,529	86	60,277	42	173,444	1	164,823	4	1,686,763
	1928	3	268,094	7	504,343	7	44,235	19	37,500	110	35,961	28	65,550	2	202,855	3	1,419,037
Newport, Ky.	1927			2	56,000			1	10,000	56	26,500	3	16,500	2	54,000		
	1928					2	14,400	1	2,750	41	25,760	1	900				
Newport, R. I.	1927	5	261,200			1	6,000	3	20,000	123	57,300	4	5,750				
	1928	3	3,800	1	74,000	1	15,000	10	51,100	116	49,370	1	800				
Newport News, Va.	1927			2	4,500					104	13,549						
	1928									79	7,296						
New Rochelle, N. Y.	1927	1	4,000	3	210,000			7	53,600	244	208,084	7	24,000	1	1,500	1	175,000
	1928			2	545,000	2	1,900	9	82,500	231	224,352	3	11,600	1	40,000	2	200,700
Newton, Mass.	1927	4	40,800	1	50,000	9	120,500	1	30,000	469	314,901	6	23,850	3	1,260,000	2	59,000
	1928	3	38,000			3	29,000	2	32,000	436	279,305	2	5,500	1	25,000	1	100,000
New York City, N. Y.:																	
The Bronx	1927	42	9,496,400	15	1,330,000	100	2,755,596	529	7,288,105	611	329,600	24	118,200			38	701,600
	1928	209	4,270,904	8	937,500	106	3,442,550	433	8,460,295	649	203,315	32	222,150	3	798,000	22	1,857,250
Brooklyn	1927	40	12,139,000	24	2,395,000	204	7,327,550	157	5,774,000	5,496	2,791,315	136	420,975	1	75,000	29	6,051,500
	1928	32	6,808,000	29	2,237,000	187	9,061,550	165	8,196,000	4,414	2,145,055	170	454,725			26	3,135,500
Manhattan	1927	32	15,991,000	5	3,825,000	38	15,163,200	55	7,848,800	160	41,710	19	27,745	9	12,750,000	75	67,045,500
	1928	21	6,295,000	2	180,000	40	28,864,000	37	3,229,650	318	184,180	17	60,300	7	9,800,000	55	74,875,750
Queens	1927	38	6,084,800	21	3,736,500	87	1,659,300	95	2,386,350	7,219	2,629,372	96	388,387	4	530,000	35	3,110,500
	1928	32	1,427,900	27	1,191,500	79	3,625,300	112	4,010,800	6,643	2,508,370	130	414,915	1	20,000	44	2,219,050
Richmond	1927	4	529,500	7	238,500	11	120,500	9	93,500	987	255,904	9	30,350			4	295,480
	1928	8	981,200	7	206,200	6	129,200	11	606,000	1,001	265,327	44	79,550	3	1,180,000	8	46,700

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Niagara Falls, N. Y	1927			2	59,000	13	458,156	3	26,300	405	144,688	8	26,400	2	210,000	6	79,900
	1928					15	470,571	3	25,000	381	127,742	10	34,725			5	42,443
Norfolk, Va	1927	3	90,000	2	3,000	6	97,209	1	2,000	459	83,981	9	14,250			2	24,750
	1928	2	11,700	1	35,000	7	327,100	2	21,300	455	93,423	15	36,585	1	28,000		
Norristown, Pa	1927	1	5,500			6	226,600			129	90,602					2	5,150
	1928			13	31,522	2	21,900	119	75,502					3	125,700	1	76,500
Norwalk, Conn	1927			2	165,000	4	17,650	2	9,000	231	116,600	12	100,100	2	640,000		
	1928			1	10,000	4	492,500	5	114,450	232	100,155	10	23,750	2	180,000	3	375,000
Oakland, Calif	1927	8	1,011,600	7	71,500	52	651,932	21	361,189	1,935	607,842	28	53,800	3	532,234	12	995,700
	1928	9	287,749	3	186,000	59	614,850	15	476,000	1,473	456,844	48	58,370	2	215,000	8	1,199,000
Oak Park, Ill	1927			3	454,000			1	185,000	531	275,781	7	24,900	1	25,000		
	1928	1	67,500	4	472,000	1	30,000	3	70,000	506	218,915	11	106,397	1	70,000	2	201,190
Ogden, Utah	1927			1	60,000					11	22,650						
	1928	2	40,000	3	95,000	2	205,000	4	53,500	5	1,400	4	11,000				
Oklahoma City, Okla	1927	3	38,362	10	109,500	36	320,625	6	66,750	1,185	210,635	8	31,250	4	471,729	12	2,676,800
	1928	5	190,000	6	129,568	16	404,150	14	267,500	1,027	228,710	22	98,900	2	50,000	6	114,100
Okmulgee, Okla	1927					2	15,400	2	13,000	19	5,465	2	7,500				
	1928					2	1,400			7	2,615						
Omaha, Nebr	1927	2	115,000	4	199,500	6	178,500	1	1,600	322	90,230	23	41,450			4	160,500
	1928	5	2,258,000	3	29,400	4	107,000	6	260,000	362	84,448	25	61,100			5	1,032,710
Orange, N. J	1927	1	45,000	1	354,000	1	40,000	1	1,375	163	319,151	5	19,300			3	122,900
	1928			1	55,000	3	34,300	1	1,637	115	164,073	5	21,900	1	400,000		
Oshkosh, Wis	1927					2	82,000			213	52,415			1	35,000		
	1928					2	26,000			183	51,908	3	6,400				
Ottumwa, Iowa	1927					8	173,650	1	40,000	39	16,700	6	17,200				
	1928					6	49,000	2	18,000	45	15,650	5	19,000				
Paducah, Ky	1927									15	5,000	5	5,500				
	1928	1	1,500	1	2,500	2	25,600	2	18,600	17	4,155	8	15,450			3	31,000
Pasadena, Calif	1927	3	32,375	3	796,569	1	19,750	13	201,150	472	102,044	29	48,333	2	33,400	2	892,883
	1928	3	49,800	3	44,000	3	14,225	13	64,142	363	66,145	19	31,050	2	65,291	6	209,500
Passaic, N. J	1927			3	112,500	16	250,282	9	44,100	222	178,522	5	15,420	1	30,000	4	156,000
	1928	2	48,000	2	33,450	3	30,100	7	44,100	209	157,035	4	25,000			3	98,550
Paterson, N. J	1927	6	60,300	6	102,000	10	261,000	57	66,925	340	261,971	13	94,775	4	184,100	1	3,000
	1928			6	311,500	18	957,500	12	11,675	331	164,922	13	142,800	1	600,000	1	59,000
Pawtucket, R. I	1927	3	140,000			3	245,000	2	12,000	412	198,070	9	22,950				
	1928					4	144,700	1	4,000	396	162,194	7	32,050				
Peoria, Ill	1927			2	75,000	12	117,500	13	132,000	469	129,085	15	65,200				
	1928	1	6,000	1	2,500	8	85,850	9	111,600	445	125,465	7	19,500			1	239,000
Perth Amboy, N. J	1927			1	11,941	4	58,000	10	48,200	122	59,655	4	23,000	1	11,000	4	17,387
	1928					5	262,500	1	14,500	105	50,840	1	7,500				
Petersburg, Va	1927									47	9,297						
	1928	1	300	2	131,000	1	10,000	2	13,200	56	10,017	4	48,000				
Philadelphia, Pa	1927	7	4,801,600	22	2,249,500	174	7,791,070	102	3,306,385	1,556	1,765,500			14	4,090,060	48	6,151,125
	1928	18	5,032,500	26	1,681,700	162	6,626,870	100	2,250,560	1,300	964,530			15	5,742,600	48	7,622,365
Phoenix, Ariz	1927	5	351,735	1	258,063			2	44,000	100	43,265	13	30,000	3	120,800	1	462,000
	1928	3	101,100	9	164,500	1	60,000	11	90,846	73	33,151	10	20,695			97	749,903
Pittsburgh, Pa	1927	7	1,623,000	7	237,000	33	589,100	17	99,850	1,980	1,231,082	24	205,000	2	2,044,000	12	2,308,750
	1928	8	753,460	13	1,149,500	23	1,224,740	209	721,971	1,467	1,180,019	28	147,600	3	4,072,100	12	7,084,050
Pittsfield, Mass	1927									181	125,145	3	9,750			1	245,000
	1928	5	222,850			12	169,150	5	16,700	151	79,590			5	14,500		
Plainfield, N. J	1927	3	361,000	2	63,200	2	21,500	4	173,000	347	178,568	2	6,500			1	135,000
	1928	3	158,150			3	30,000	1	100,000	383	189,372	3	5,100			3	312,500

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TABLE A.—*Number and estimated cost of buildings (new construction, and repairs, alterations, and additions to old buildings) covered by permits issued in 1927 and 1928, by intended use of buildings*—Continued

***PART 2.—NEW NONRESIDENTIAL BUILDINGS*—Continued**

City and State	Year	Amusement and recreation places		Churches		Factories, shops, etc.		Garages (public)		Garages (private)		Gasoline and service stations		Institutions		Office buildings	
		Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost
Pontiac, Mich	1927	2	$92,500	7	$279,500	14	$11,166,200	9	$100,260	707	$204,044	19	$45,160			14	$91,080
	1928			2	10,000	24	1,820,100	5	520,500	787	220,046	15	47,800			17	1,166,480
Port Arthur, Tex	1927			3	26,700					148	32,518						
	1928			3	16,200	1	5,500			139	34,983						
Port Huron, Mich	1927					5	77,800	2	4,700	28	5,915	6	9,400	1	$10,000		
	1928			2	5,500	4	6,100	1	2,000	30	7,030	3	11,720			1	200,000
Portland, Me	1927	2	4,600	1	6,000	1	175,000	6	88,126	217	66,525	5	11,250			1	35,000
	1928	1	6,250			4	46,330	7	184,000	253	85,092	4	12,500	1	40,000	2	5,600
Portland, Oreg	1927	7	1,593,440	8	260,000	34	615,950	69	2,046,650	3,150	506,445	32	260,000	3	39,000	9	1,839,600
	1928	6	866,000	7	335,000	32	456,100	60	1,023,855	2,365	399,020	30	82,500	2	1,410,000	9	1,166,500
Portsmouth, Ohio	1927			2	3,900	5	47,150	2	2,700	101	15,765	12	60,650			1	550,000
	1928	1	1,600	2	27,000	2	228,000	1	4,000	81	12,475	5	16,350				
Portsmouth, Va	1927					3	16,500			99	9,985	5	12,385	1	1,500		
	1928			2	56,000					80	9,190	9	14,875			1	200,000
Poughkeepsie, N. Y	1927					2	111,900	9	43,485	83	37,067	5	22,100				
	1928					1	800	2	33,500	106	43,010	3	40,000				
Providence, R. I	1927	4	1,959,000	4	134,500	21	355,500	27	707,000	903	651,954	35	102,200	2	40,000	22	3,726,700
	1928	1	156,000			23	664,150	14	364,800	905	597,960	35	54,000	1	50,000	27	500,700
Pueblo, Colo	1927	2	1,500	1	1,000					349	105,522	6	21,100				
	1928	1	6,000	1	12,000	5	10,550			317	119,489	6	24,000	2	21,500		
Quincy, Ill	1927	1	6,000	1	85,000	3	2,900	5	18,400	159	40,758	5	11,500				
	1928					1	650	1	4,500	131	25,236			3	340,000		
Quincy, Mass	1927			1	300,000	1	37,000	1	6,000	696	274,952	7	20,375				
	1928	1	6,000			1	100,000	1	20,000	726	240,321	6	45,500			4	850,000
Racine, Wis	1927	3	677,000	5	206,600	8	503,700	2	51,000	577	179,465	7	26,785			3	6,200
	1928			1	125,000	13	313,900	1	20,000	408	173,523	2	3,250	1	125,000	4	99,000
Reading, Pa	1927	3	428,110	3	215,000	19	217,700	18	158,850	377	245,365	7	22,200				
	1928					18	399,095	18	235,125	313	235,525	9	43,000			4	95,575
Revere, Mass	1927	2	90,000			2	2,200	2	7,000	82	52,495						
	1928	2	59,000							99	53,352	3	12,000				
Richmond, Ind	1927	1	500					6	27,500	137	37,244	3	14,500				
	1928	5	700					3	3,500	114	28,525	1	3,500	1	18,000		
Richmond, Va	1927	5	1,034,444	10	1,068,842			24	557,900	549	220,269					14	138,575
	1928			4	216,800	1	17,000	6	105,150	279	138,574					3	18,300
Roanoke, Va	1927			2	71,950					324	34,517	16	27,951	2	182,944		
	1928			5	525,000	1	100,000			255	26,490	8	26,400				

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Rochester, N. Y.	1927	11	1,779,200	2	75,000	34	1,317,583	15	267,300	2,204	792,322	51	128,850	4	375,000	10	2,083,000
	1928	4	379,482	5	196,200	18	989,730	10	260,865	1,655	573,626	29	195,950	6	6,850	7	338,900
Rockford, Ill.	1927	2	210,000	1	7,000	4	37,000	7	136,500	796	228,392	21	49,300	2	47,000	5	330,800
	1928	2	18,600			14	476,000	10	166,350	601	179,100	12	62,500	1	170,000	3	10,300
Rock Island, Ill.	1927	1	2,000			2	1,500	2	16,000	201	51,180	11	46,600	1	50,000	1	361,000
	1928									183	39,515	1	3,000				
Sacramento, Calif.	1927	3	78,500	3	264,950	2	23,500	7	96,700	282	43,800	8	25,975	1	385,000	5	456,250
	1928	5	241,288	3	152,529	6	49,050	3	12,700	222	44,301	14	28,392	1	25,000		
Saginaw, Mich.	1927			1	2,200	13	191,500	1	3,500	466	80,424	15	24,100			5	603,100
	1928					15	1,239,300	3	12,800	467	142,566	6	13,700	1	2,000	4	111,000
St. Joseph, Mo.	1927	1	15,000	3	36,600			2	15,000	173	34,242	10	33,950				
	1928	1	1,000	2	65,000	25	1,233,650	3	25,800	70	42,413	9	15,800	1	25,000	2	11,500
St. Louis, Mo.	1927	68	2,648,200	8	418,400	56	1,246,650	7	190,000	3,547	939,528	87	78,255	2	154,000	11	1,896,000
	1928	76	830,644	17	831,800	45	695,300	11	665,000	3,566	825,544	23	61,800	7	2,290,000	6	1,327,660
St. Paul, Minn.	1927			2	234,000	2	6,120	10	49,680	1,509	343,137	14	52,800	1	138,000		
	1928			4	150,000	4	110,352	13	664,800	1,380	333,411	10	52,200			2	276,000
St. Petersburg, Fla.	1927	4	58,600	4	36,500	16	7,300	2	2,800	422	125,800	24	37,700	2	87,500		
	1928	3	7,500	4	29,000	16	14,400	5	8,100	257	70,600	17	21,600			3	500,300
Salem, Mass.	1927	2	22,000			1	3,000			143	124,450	2	2,000	1	300,000		
	1928	2	27,000			6	128,000			122	86,525	3	1,850				
Salt Lake City, Utah	1927	5	209,100	3	69,500	6	57,000	7	135,200	90	41,955	15	56,700	1	55,600	5	34,750
	1928	2	63,000	3	77,000	7	29,225	12	138,000	130	39,386	23	108,500			1	38,000
San Antonio, Tex.	1927	3	123,000	16	521,160	15	474,900	15	410,560	409	118,950	32	182,695	1	300,000	5	667,475
	1928	2	1,130,000	7	192,025	9	112,650	10	305,500	338	130,159	42	230,800			4	3,907,500
San Diego, Calif.	1927	17	785,000	8	85,925	21	105,865	24	197,400	870	169,646	34	58,800	2	61,000	12	1,130,800
	1928	7	192,125	9	180,100	15	50,820	19	365,900	713	174,008	32	81,711	6	546,500	24	117,750
San Francisco, Calif.	1927	9	2,472,385	5	95,550	59	999,364	9	309,950	140	146,485	25	28,805	6	577,399	4	80,000
	1928	7	352,750	2	102,000	37	674,706	6	291,000	150	99,221	73	115,010	2	145,000	30	4,655,720
San Jose, Calif.	1927	3	135,140	2	57,000	10	28,765	4	59,045	204	31,170	9	17,075	1	3,000	5	941,185
	1928	5	94,890	5	33,920	23	250,705	1	1,600	160	26,680	18	35,235				
Savannah, Ga.	1927					7	115,650			81	19,805	8	34,600				
	1928									48	19,175	11	38,800			4	329,004
Schenectady, N. Y.	1927	2	110,000	2	132,000	8	298,000	2	44,000	402	183,045	1	1,500	2	135,000	3	180,000
	1928	2	10,900			10	88,850	5	79,000	444	189,670	4	37,000	4	286,000		
Scranton, Pa.	1927	1	1,496,000	3	74,000	8	533,800	3	81,200	451	297,867	6	19,800			2	91,000
	1928	3	178,000			4	81,640			324	165,400	16	77,900	2	260,058	1	350,000
Seattle, Wash.	1927	11	2,163,000	4	359,200	59	575,875	35	593,900	2,003	341,000	56	88,250	4	526,000	22	145,550
	1928	1	100,000	6	114,000	42	772,050	34	611,350	1,789	290,965	60	192,020	1	200,000	16	2,739,400
Sheboygan, Wis.	1927	3	292,000			3	4,375	4	30,500	303	82,729	4	8,025				
	1928	2	117,000			3	22,500	2	25,600	243	69,675	4	24,075			2	44,000
Shreveport, La.	1927	4	25,471	5	308,865	7	20,645	2	71,175	275	60,373	20	85,325	2	101,345	2	685,229
	1928	4	490,955	1	23,500	5	94,707	6	164,557	247	45,493	15	15,160				
Sioux City, Iowa	1927	2	11,000	5	158,000	14	237,150	6	103,500	305	40,185	7	18,500				
	1928	1	30,000	3	50,000	11	476,850	5	69,500	345	45,785	10	18,100			1	10,000
Sioux Falls, S. Dak.	1927	1	10,000	1	50,000	3	325,000	1	50,000	27	14,500	11	55,000	1	25,000		
	1928					4	4,375			27	39,155	10	55,440	1	375,000		
Somerville, Mass.	1927	1	60,000	1	75,000	10	297,400	2	120,000	183	161,828	14	32,250	1	160,000	1	5,200
	1928	1	5,000					1	30,000	79	57,730						
South Bend, Ind.	1927	6	435,800	4	109,000	6	136,100	5	100,000	1,320	304,178	20	68,000			4	245,000
	1928	1	25,000	3	95,000	15	903,800	9	119,700	1,203	271,735	17	50,050			6	458,200
Spokane, Wash.	1927			3	31,500	11	41,650	4	27,000	858	101,006	15	22,675			1	5,000
	1928	3	44,550	1	337,000	10	56,700	17	341,300	644	84,386	10	32,200	3	1,092,000		

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TABLE A.—*Number and estimated cost of buildings (new construction, and repairs, alterations, and additions to old buildings) covered by permits issued in 1927 and 1928, by intended use of buildings*—Continued

PART 2.—NEW NONRESIDENTIAL BUILDINGS—Continued

City and State	Year	Amusement and recreation places		Churches		Factories, shops, etc.		Garages (public)		Garages (private)		Gasoline and service stations		Institutions		Office buildings	
		Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost
Springfield, Ill	1927			3	$907,500	3	$11,100	6	$40,500	316	$76,763	15	$52,500			3	$250,150
	1928	1	$60,000	1	6,000	3	18,000	7	47,400	356	73,690	5	23,300	2	$275,000		
Springfield, Mass	1927	2	730,000	2	355,000	7	150,000	61	120,740	799	352,650	22	65,950			4	118,300
	1928	5	237,000	1	60,000	4	203,000	4	250,000	629	235,570	16	34,814	1	110,000	3	175,000
Springfield, Mo	1928			1	9,000	9	142,750	3	34,500	78	15,110	27	67,000			1	300,000
Springfield, Ohio	1927	1	40,000			4	315,500	1	30,000	301	53,995	10	31,200				
	1928	1	1,500	1	37,000	3	139,000	2	37,000	394	71,327	5	23,000				
Stamford, Conn	1927	1	300	3	126,000			5	12,950	290	150,910	13	16,597			4	521,500
	1928	3	385,000			1	900	10	132,200	252	144,835	8	10,200			9	614,900
Steubenville, Ohio	1927					1	40,000			94	29,110	1	6,000	1	30,000		
	1928	1	40,000					1	30,000	122	29,195	2	17,000			6	218,000
Stockton, Calif	1927	1	11,000	4	151,604	9	141,900	3	28,449	420	53,034	11	21,000	2	62,000	6	102,600
	1928	1	30,000	2	32,275	11	108,488	3	23,000	296	36,186	22	31,500			4	31,000
Superior, Wis	1927	1	25,000			4	13,800	5	9,670	136	21,158	9	20,968				
	1928	2	55	1	6,000	2	47,250	7	40,550	137	20,565	5	12,250	2	200,000		
Syracuse, N. Y	1927	5	972,884	6	566,800	15	405,575	16	405,500	1,510	549,544	51	94,650	4	3,290,500	12	2,438,000
	1928	6	278,000	1	85,000	8	344,790	19	211,000	1,245	465,670	21	64,100			8	1,177,300
Tacoma, Wash	1927	2	42,900	1	5,000	16	985,600	5	74,500	358	44,345	7	12,000	3	155,568		
	1928	1	60,000	4	41,000	12	422,000	13	156,300	228	30,800	16	44,000			8	20,000
Tampa, Fla	1927	2	30,900	6	90,400	10	103,150	8	26,750	531	73,780	22	69,300	2	184,500	9	56,570
	1928	6	292,600	5	49,900	12	427,960	2	3,100	348	46,920	6	27,100	1	9,860		
Taunton, Mass	1927	2	169,750			4	69,125	2	20,725	132	39,619	5	7,625				
	1928	2	162,000			4	3,400			127	41,572	1	1,200				
Terre Haute, Ind	1927					1	5,000	15	40,965	441	90,542	12	35,400			1	1,500
	1928			1	10,000	1	7,500	7	23,850	370	69,185	2	8,500			1	10,000
Toledo, Ohio	1927	13	515,207	4	76,000	29	800,021	2	13,500	2,836	765,027	26	48,988	1	10,000		
	1928	5	1,432,064	3	88,500	23	1,082,500	19	463,250	2,378	565,239	14	78,500	2	1,328,000		
Topeka, Kans	1927			3	7,400	1	6,000	1	4,000	496	88,600	17	43,300				
	1928	1	12,000	3	13,300			3	12,200	467	86,623	9	23,100			14	72,065
Trenton, N. J	1927	3	503,300	4	194,725	30	288,882	38	111,592	402	194,718	20	61,750	1	95,918	6	369,200
	1928	1	447,500	1	28,400	23	341,400	3	9,650	338	134,900	10	70,150	1	260,000		
Troy, N. Y	1927	2	2,800			3	45,500	6	375,500	163	89,919	4	18,350	2	207,000	4	155,000
	1928			2	4,000	1	1,500	1	50,000	133	69,875	5	14,650			3	9,300
Tucson, Ariz	1927	3	10,616	2	19,000	8	34,200	2	20,786	279	24,688	20	4,025	3	16,700		
	1928	1	4,000	1	4,700	6	23,850	2	48,700	138	42,164	2	1,250	4	76,000	6	680,381
Tulsa, Okla	1927	6	98,670	6	1,047,800	14	124,300	17	313,800	1,296	409,842	25	98,900	2	522,000	11	4,283,800
	1928	2	366,000	9	72,350	18	129,700	25	419,650	1,458	502,998	32	224,600	1	83,000	1	375,000

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Union City, N. J.	1927	1	100,000	1	70,000	5	175,000	14	85,600	261	131,100	2	7,000	1	100,000				
	1928					6	36,950	3	66,200	81	45,485					7	199,500		
Utica, N. Y.	1927	2	900,000			5	76,000	7	41,200	280	102,945	9	22,350						
	1928	1	36,000	4	169,200	3	6,700	11	185,500	198	70,715	20	46,350	1	53,000	1	6,000		
Vallejo, Calif.	1927					1	10,000			232	24,474	11	25,680						
	1928							8	49,970	88	19,337								
Waco, Tex.	1927	1	6,500	2	15,432	2	52,000	1	34,000	6	1,950	3	9,600	1	9,200	1	65,000		
	1928	4	160,800	3	53,500	2	25,000	5	82,890	10	9,853	13	57,169	1	20,000	2	675,000		
Waltham, Mass.	1927	2	251,000			4	79,000	5	50,800	136	68,770	2	5,500	1	50,000	2	2,000		
	1928	1	35,000	1	30,000	1	35,000	1	14,500	207	111,500	8	28,500	3	254,000				
Warren, Ohio	1927					7	71,500	1	9,500	477	86,740	11	14,650						
	1928			2	8,200	26	78,710	1	7,500	94	16,200	9	41,200			1	59,000		
Washington, D. C.	1927	3	150,612	12	1,034,500	9	1,009,250	8	717,000	1,658	469,545	18	124,000	4	374,113	16	2,706,110		
	1928	6	1,294,296	11	1,236,350	11	203,500	20	981,740	1,554	460,460	22	189,500	10	1,078,990	16	6,550,700		
Waterbury, Conn.	1927			2	22,000	16	175,375			382	288,100	10	34,300	2	386,000	1	225,000		
	1928	1	250,000	1	13,000,	1	9,000			296	310,300	10	19,300	1	20,000	4	127,000		
Waterloo, Iowa	1927			1	35,000	2	63,000	1	4,500	311	45,706	6	14,300						
	1928	1	96,705	2	2,500	12	695,000	4	29,500	358	55,158	10	38,500						
Watertown, Mass.	1927					12	307,000	2	50,000	239	109,305								
	1928			1	65,000	6	89,000			220	112,525	2	3,050			1	75,000		
Watertown, N. Y.	1927							1	2,000	198	48,870	4	950						
	1928					1	250			191	38,665	2	5,000	1	1,500	1	3,000		
West New York, N. J.	1927	1	250,000	1	22,500	4	39,500	4	84,000	73	35,550	1	7,000			1	75,000		
	1928			1	45,000	2	263,250	4	84,000	39	51,875	2	15,500			1	65,000		
Wheeling, W. Va.	1927	3	554,713	1	15,000	13	98,802	6	19,584	199	74,463	4	21,610	15	91,300				
	1928	2	88,000			8	97,200	5	56,000	147	51,526	9	51,000						
White Plains, N. Y.	1927	4	822,977	2	331,000	4	15,700	6	64,500	219	159,689	4	21,500			7	227,000		
	1928	3	604,000	2	113,000	6	428,900	14	846,900	210	193,389	5	21,900			12	1,155,375		
Wichita, Kans.	1927			9	366,500	10	217,200	10	187,600	397	81,340	33	84,750						
	1928	5	178,800	2	2,900	8	188,600	13	168,500	355	59,655	15	40,650	1	110,000	2	645,000		
Wichita Falls, Tex.	1927	2	26,000	7	7,400	2	130,000	1	2,800	23	13,632	1	3,000						
	1928	1	1,000	5	130,200	7	84,150	3	6,850	18	4,667	6	28,260						
Wilkes-Barre, Pa.	1927			2	139,600	11	247,730	73	143,670	175	48,433	5	15,794	3	228,226	5	1,370,370		
	1928	4	184,737			25	226,477	54	107,709	162	52,548	9	11,600			4	1,453,469		
Wilkinsburg, Pa.	1927	1	13,000							159	112,090	1	1,500						
	1928	2	37,000	2	256,000	4	47,800			111	74,861					2	351,000		
Williamsport, Pa.	1927	1	150,000	1	35,500	12	687,800	5	54,200	160	47,423	5	10,850			2	115,000		
	1928	1	200,000	2	103,200	13	78,505	2	25,500	168	77,670	3	3,000			1	45,000		
Wilmington, Del.	1927			2	232,000	15	1,034,770	5	58,500	857	255,091	8	55,300	3	697,755	4	221,600		
	1928			1	91,000	4	15,400			794	291,600	7	39,200	2	178,631	3	87,200		
Wilmington, N. C.	1927			2	90,000	3	10,500	2	2,500	36	10,075	2	8,500			1	10,000		
	1928			3	125,000					45	13,500	6	30,500						
Winston-Salem, N. C.	1927	1	20,000	9	179,500	4	340,540	3	150,500	551	137,254	8	29,400	2	68,000	4	9,693		
	1928	2	710,000	6	387,390	9	296,800	5	122,000	533	146,582	8	28,000	1	30,000	10	1,992,625		
Woonsocket, R. I.	1927	1	2,500	2	72,400	6	97,850			157	59,474	3	9,200			1	150,000		
	1928					3	31,800			96	33,701	6	27,715						
Worcester, Mass.	1927	5	12,500	5	444,500	24	167,175	124	457,530	449	212,267	21	41,200	1	17,000	7	256,450		
	1928	10	46,200	2	250,000	27	218,025	79	205,075	398	185,484	13	33,900			2	56,200		
Yonkers, N. Y.	1927	1	25,000	11	844,000	14	439,300	49	1,065,200	556	393,516	13	80,260	1	300,000	5	36,200		
	1928			3	266,000	5	276,500	51	1,463,800	513	307,389	13	188,100			5	477,900		
York, Pa.	1927	1	1,700	2	254,000	17	305,720	5	24,200	173	75,852								
	1928			2	214,000	2	20,200	3	60,000	222	88,582	1	2,500			2	350,000		

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TABLE A.—*Number and estimated cost of buildings (new construction, and repairs, alterations, and additions to old buildings) covered by permits issued in 1927 and 1928, by intended use of buildings*—Continued

***PART 2.—NEW NONRESIDENTIAL BUILDINGS*—Continued**

City and State	Year	Amusement and recreation places		Churches		Factories, shops, etc.		Garages (public)		Garages (private)		Gasoline and service stations		Institutions		Office buildings	
		Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost
Youngstown, Ohio	1927	3	$225,000	5	$144,200	20	$71,750	18	$116,600	863	$180,235	33	$111,700	1	$90,000	2	$300,000
	1928	6	183,000	2	79,500	14	191,950	7	79,200	947	136,810	15	41,350	2	1,400,000	9	521,300
Zanesville, Ohio	1927	1	150,000	------	----------	6	128,900	------	----------	115	18,605	12	39,666	------	----------	1	4,000
	1928	------	----------	------	----------	3	11,150	------	----------	91	15,066	5	26,800	------	----------	1	30,000
Total:																	
302 cities	1927	943	128,208,773	1,118	58,890,438	4,181	141,307,499	4,192	74,395,804	181,859	65,449,178	4,919	15,022,065	332	75,132,340	1,271	242,853,223
310 cities	1928	950	84,914,600	1,009	49,059,444	3,973	152,649,534	3,839	70,690,699	156,457	55,140,483	4,520	14,913,812	304	65,080,263	1,353	256,101,159

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TABLE A.—*Number and estimated cost of buildings (new construction, and repairs, alterations, and additions to old buildings) covered by permits issued in 1927 and 1928, by intended use of buildings*—Continued

PART 2.—NEW NONRESIDENTIAL BUILDINGS—Continued

City and State	Year	Public buildings		Public works and utilities		Schools, libraries, etc.		Sheds		Stables and barns		Stores, warehouses, etc.		All other		Total new nonresidential buildings	
		Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost
Akron, Ohio	1927			10	$238,100	3	$376,000	31	$11,985			149	$3,429,887			2,535	$7,005,817
	1928	1	$61,000	2	39,400	2	469,000	34	13,660			116	1,829,558	6	$209,850	2,406	5,368,352
Alameda, Calif	1927	1	6,500			2	5,000	9	6,125							294	492,901
	1928	2	122,655	8	117,805	3	36,900	65	31,724			8	77,520			293	525,500
Albany, N. Y	1927	2	357,000	1	110,000	2	350,000	17	2,200			31	3,898,800	1	19,000	445	6,128,115
	1928			1	25,000	1	500,000	2	3,750			20	664,050			404	4,568,515
Allentown, Pa	1927			1	490,000	1	5,000	1	2,000	1	$100	25	440,650	19	31,150	730	2,355,275
	1928					2	187,000	12	24,400	1	1,000	36	238,400			596	2,089,715
Altoona, Pa	1927	1	15,600	1	34,752	2	621,000	136	25,590			18	256,025			510	1,166,380
	1928					2	663,944					17	146,839			293	1,941,125
Amsterdam, N. Y	1927															115	125,530
	1928									2	3,000	4	77,700			131	435,075
Alton, Ill	1928							2	290			19	113,964			114	248,391
Anderson, Ind	1927							11	1,140	2	400	7	51,625	2	800	176	744,305
	1928					1	25,000	3	200			17	206,550			171	1,287,464
Asheville, N. C	1927	3	1,754,000	2	175,600	4	767,348	10	2,215	1	20	56	508,970			319	3,503,733
	1928			2	81,500			14	937	1	50	30	392,425			249	1,083,062
Ashtabula, Ohio	1927					1	85,000	8	1,050	2	900	1	2,000	8	27,400	154	248,980
	1928	1	3,100	1	1,400			4	695	1	150	9	19,725	1	800	159	244,843
Atlanta, Ga	1927	2	22,690	2	134,600	1	75,628	250	67,226			148	1,914,050			814	3,633,971
	1928	3	863,700	1	1,700,000	15	1,961,029	187	30,833			190	1,329,724			767	15,151,442
Atlantic City, N. J	1927	1	194,900	1	15,000			29	76,427			44	658,784	3	96,300	201	2,614,340
	1928	1	161,000	1	44,500	1	82,500	6	8,600			16	99,980	6	131,850	116	1,240,795
Auburn, N. Y	1927					1	215,000	3	1,850	2	800	2	25,500	2	1,900	158	550,602
	1928			2	2,300					1	1,200	9	24,700	2	240	176	197,745
Augusta, Ga	1927			2	2,838			44	2,122	2	55	17	120,330			195	220,034
	1928					2	67,447	28	2,056	5	610	15	49,040			121	203,662
Aurora, Ill	1927					1	2,000	2	700			13	179,400			282	464,462
	1928					4	662,457	1	250			14	233,950	3	4,150	230	1,089,151
Baltimore, Md	1927			3	225,000	9	988,000	2	3,500	1	4,000	68	1,242,500			3,575	8,004,700
	1928	1	12,000	3	87,000	23	1,567,000					78	1,212,000	1	6,000	2,399	11,037,200
Bangor, Me	1927					1	550,000	5	1,325	1	400	2	3,650			81	672,455
	1928			1	800			10	4,525			5	8,400			97	332,710
Battle Creek, Mich	1927			1	160,000	2	6,000	21	4,660			29	71,025			398	3,620,566
	1928					2	4,400	18	6,800			28	195,850	2	6,500	328	1,933,755

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TABLE A.—*Number and estimated cost of buildings (new construction, and repairs, alterations, and additions to old buildings) covered by permits issued in 1927 and 1928, by intended use of buildings*—Continued

PART 2.—NEW NONRESIDENTIAL BUILDINGS—Continued

City and State	Year	Public buildings		Public works and utilities		Schools, libraries, etc.		Sheds		Stables and barns		Stores, warehouses, etc.		All other		Total new nonresidential buildings	
		Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost
Bay City, Mich	1927							31	$4,475			1	$1,000			$336	$220,620
	1928					1	$106,000	22	6,220							222	1,261,001
Bayonne, N. J	1927			9	$162,900							5	16,500			119	984,200
	1928			12	287,770							12	172,000			120	838,800
Beaumont, Tex	1928					2	659,453					80	504,714			239	1,302,436
Belleville, Ill	1928					2	219,000					2	20,000			115	348,881
Bellingham, Wash	1927	1	$210,500	1	75,000			40	12,171			6	101,500			235	650,592
	1928	1	12,000					120	23,175			13	135,950			272	384,105
Berkeley, Calif	1927					4	63,600					30	160,390	4	$6,450	736	1,608,404
	1928	1	5,280			3	60,123					35	191,559	16	4,100	540	717,399
Bethlehem, Pa	1927							2	9,000			16	63,150	9	8,850	355	647,191
	1928	1	14,500					2	900	2	$23,200	4	81,250	35	85,785	310	1,990,390
Binghamton, N. Y	1927			1	90,000	1	468,000	1	200			15	148,975	113	8,236	538	1,873,610
	1928			1	65,000	1	50,000					19	164,000	136	9,726	537	1,497,896
Birmingham, Ala	1927	5	199,239	7	261,506	4	193,977	26	5,660	2	5,625	294	2,994,043	5	17,450	845	9,630,442
	1928	2	12,000	4	5,150	14	920,186	48	7,950	2	100	181	2,039,435	6	38,350	863	5,665,329
Bloomfield, N. J	1927	1	275,000			2	215,427	10	1,000			58	692,450			500	1,486,077
	1928			1	16,500			21	3,000	1	2,000	6	23,000			436	562,100
Bloomington, Ill	1927					1	190,000			1	2,000	12	69,000			62	327,200
	1928					1	116,000					13	129,000			51	718,300
Boston, Mass	1927	2	184,000	5	5,545,000	11	3,989,264	316	336,032	1	5,000	127	3,972,567	2	23,000	1,733	22,832,331
	1928			6	1,529,000	1	181,700	212	233,369	1	2,500	142	5,664,050	2	60,000	1,630	21,013,882
Bridgeport, Conn	1927	1	42,273			1	70,000	16	14,040			23	120,050			662	1,594,552
	1928			1	200,000	1	120,000	8	7,300			14	364,800			505	1,107,524
Brockton, Mass	1927			3	50,900			56	10,945	1	10,000	18	30,335			343	337,945
	1928	1	161,000	1	13,000			66	15,845			9	131,450			325	715,958
Brookline, Mass	1927					1	60,000					9	858,700	10	33,500	147	1,361,527
	1928					3	144,000	3	1,325			10	247,000	1	9,775	151	673,245
Buffalo, N. Y	1927	2	1,118,638	6	5,087,000	15	3,762,949	86	31,430	9	10,240	39	1,015,800			3,209	18,273,674
	1928	3	2,715,193	3	22,100	8	1,455,000	39	43,900			139	2,815,875			2,758	12,468,309
Burlington, Iowa	1927							5	1,000			4	10,000			48	407,000
	1928	2	109,047					1	50			2	6,600			108	224,771
Butler, Pa	1928							3	13,400			2	8,000			45	44,440
Butte, Mont	1927											1	15,000			15	32,048
	1928			1	75,000			2	600			1	900			74	203,550
Cambridge, Mass	1927	1	372,759			3	420,000	15	6,855			26	352,500			290	5,250,845
	1928			1	36,000	2	29,700	7	6,790	1	1,600	39	1,405,518			289	3,564,813

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Camden, N. J.	1927			2	65,000	2	61,000	4	10,000			8	596,880			535	2,171,065
	1928	2	435,040	6	115,000	1	180,000	2	2,500	1	3,000	16	1,728,750			373	5,597,140
Canton, Ohio	1927							17	5,145	3	1,200	47	103,999			843	1,185,139
	1928					1	35,000	20	4,935	2	3,050	24	76,725	1	22,500	664	902,297
Cedar Rapids, Iowa	1927					1	20,000	35	9,345			20	158,925	6	18,340	484	1,618,236
	1928	1	500	1	4,000			58	9,268	3	675	22	136,900	1	1,800	474	1,167,691
Central Falls, R. I.	1927	1	14,000													95	505,215
	1928					1	100,000	3	1,700			2	4,300			39	138,345
Charleston, S. C.	1927			1	1,500			10	1,495			6	6,650	18	39,470	55	166,134
	1928							9	775			3	15,990			54	222,928
Charleston, W. Va.	1927					2	8,000	8	1,600			31	500,000			228	663,034
	1928					3	181,700	2	600			33	127,200			234	1,302,890
Charlotte, N. C.	1927	1	9,500			1	43,000	13	20,605			50	278,795			165	1,611,165
	1928	2	35,000			4	200,000	7	3,600			64	669,950			215	2,406,974
Chattanooga, Tenn.	1927	1	15,000			2	288,727	79	12,905			50	323,673	50	26,621	484	2,445,870
	1928			1	285			27	4,075			102	256,830			306	2,115,194
Chelsea, Mass.	1927							8	1,550			5	41,500	2	8,950	62	141,605
	1928							2	325			8	118,500	3	2,100	73	325,540
Chester, Pa.	1927									1	17,000	21	314,300			214	637,840
	1928											8	99,000			159	522,867
Chicago, Ill.	1927	23	8,275,600	38	1,896,600	32	13,495,000	396	334,985	7	19,300	568	15,815,400	9	63,300	9,350	117,156,435
	1928	13	2,584,000	18	2,797,800	46	15,796,100	194	88,295	3	16,700	666	17,141,400	1	50,000	6,640	123,535,408
Chicopee, Mass.	1927	1	22,600			1	175,000	36	14,810			6	24,300	1	200	224	612,460
	1928	2	215,000	1	4,000	2	359,000	34	7,640			6	5,350			194	724,965
Cicero, Ill.	1927					1	85,000	4	700	1	7,800	6	108,000	1	18,000	233	1,153,725
	1928							2	300			8	191,885	5	15,609	214	1,022,514
Cincinnati, Ohio	1927			4	68,500	4	1,060,000	84	50,175	2	7,000	26	252,300			1,854	6,399,305
	1928	1	90,000	1	62,000	9	1,532,000	87	37,685	2	11,000	26	365,280			1,800	7,936,755
Clarksburg, W. Va.	1927					1	75,000	14	500	3	125	13	48,025			197	328,780
	1928			2	66,000	3	95,000	6	625	1	75	9	59,850	40	6,440	183	668,215
Cleveland, Ohio	1927			2	810,000	7	3,357,500			1	1,800	163	7,610,250			4,963	18,400,700
	1928	4	60,000	4	5,470,000	8	3,026,900			2	15,300	185	6,657,800			4,137	28,894,450
Clifton, N. J.	1927			1	300			18	10,950	1	500	17	54,750	4	27,500	560	529,700
	1928							10	5,900	1	1,500	22	127,900	3	6,000	499	897,860
Colorado Springs, Colo.	1927							41	4,755			13	25,140			281	114,670
	1928					1	78,000	34	5,121			12	91,090			274	274,026
Columbia, S. C.	1927					5	384,000	20	2,230	1	750	12	29,400			119	593,205
	1928							27	4,845			15	74,100			132	239,695
Columbus, Ga.	1927							1	40			39	156,340			115	340,632
	1928					1	15,000					27	91,330			102	284,124
Columbus, Ohio	1927	1	300,000			4	1,610,000	95	89,650	3	600	67	1,030,400			2,940	8,674,650
	1928					1	500,000	78	63,950	1	400	64	752,900			2,577	3,256,490
Council Bluffs, Iowa	1927			1	40,000							24	146,000			120	321,000
	1928					1	6,000					19	347,500			103	440,050
Covington, Ky.	1927					1	100,000	5	900	1	100	12	47,400			212	425,110
	1928			1	35,000			2	750			15	76,000			158	315,200
Cranston, R. I.	1927							3	2,150	3	5,700	7	28,100	2	1,500	421	333,684
	1928	1	9,000					1	100	4	8,500	18	53,250	2	900	504	832,024
Cumberland, Md.	1927							4	400			6	58,828			149	357,606
	1928											3	17,800			115	640,411
Dallas, Tex.	1927	6	748,300	4	3,450	4	192,250	144	88,256			85	3,035,317			536	5,502,371
	1928	3	61,892			8	113,960	87	27,752			126	1,627,948			559	3,005,916

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TABLE A.—*Number and estimated cost of buildings (new construction, and repairs, alterations, and additions to old buildings) covered by permits issued in 1927 and 1928, by intended use of buildings*—Continued

***PART 2.—NEW NONRESIDENTIAL BUILDINGS*—Continued**

City and State	Year	Public buildings		Public works and utilities		Schools, libraries, etc.		Sheds		Stables and barns		Stores, warehouses, etc.		All other		Total new nonresidential buildings	
		Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost
Danville, Ill	1927											3	$11,000			17	$82,302
	1928									1	$3,000	12	66,280			32	153,073
Davenport, Iowa	1927							14	$17,150	2	22,900	5	1,175			324	1,238,447
	1928			1	$4,100	1	$6,000	26	12,320			13	220,080			280	424,712
Dayton, Ohio	1927					6	1,227,266	33	10,487	2	1,185	8	94,700			1,462	3,494,096
	1928							74	32,630			14	206,400			1,239	2,984,121
Decatur, Ill	1927	5	$131,500			2	75,000					65	537,725			769	2,351,820
	1928	6	358,200			1	50,000					118	1,213,000			616	1,939,210
Denver, Colo	1927					2	536,000	707	139,400			83	712,250	276	$162,450	1,973	5,859,650
	1928	3	33,650			12	651,000	520	92,450			132	4,372,350			1,400	6,630,700
Des Moines, Iowa	1927			3	85,000			21	4,125	1	100	72	422,043			658	1,053,611
	1928	1	523,000	2	1,065,000			25	4,418	1	100	48	204,825	24	59,850	659	2,478,845
Detroit, Mich	1927	5	1,101,639			33	4,055,582					635	8,894,416	21	251,050	12,776	63,132,176
	1928	5	154,813			25	3,814,860					618	13,105,210	9	1,068,000	12,181	48,405,234
Dubuque, Iowa	1927	1	203,278	1	250,000			38	10,592			5	15,300			265	806,737
	1928			1	125,000	2	240,231					4	36,600			154	474,925
Duluth, Minn	1927	3	715,000	2	1,600	1	14,000	62	24,585	7	10,025	10	803,300	11	4,976	511	1,822,666
	1928					2	27,500	45	6,125	1	100	11	68,000	4	839,950	402	1,308,218
Durham, N. C	1927			5	42,800	3	332,826	5	5,150			26	168,875			90	1,063,206
	1928	2	10,990			4	7,421,198			1	2,000	25	166,300	2	10,000	77	8,089,953
East Chicago, Ind	1927	1	20,000			3	59,808					18	80,100			194	2,010,797
	1928					2	406,000	4	1,400			11	56,090			159	2,175,649
East Cleveland, Ohio	1927							5	3,650			1	6,000			141	220,135
	1928					11	1,350,000	6	1,375			1	14,000			136	1,492,961
Easton, Pa	1927											4	39,500			110	424,427
	1928			1	8,000	1	96,210					3	19,850			89	223,914
East Orange, N. J	1927	1	10,000	2	12,240			2	700	3	18,624	19	101,000	11	124,900	472	1,628,534
	1928	4	1,057,797			1	493,598	4	2,800	1	850	20	77,500	11	9,380	385	2,634,862
East Providence, R. I	1927					4	106,000	18	1,800			3	70,000			290	1,222,300
	1928			2	750,000			13	4,800			7	56,800			320	1,494,092
East St. Louis, Ill	1927			1	20,000	2	198,000	6	2,630			41	349,240	1	725	533	2,960,736
	1928			1	23,000			2	400			41	261,869	7	850	426	646,446
Elgin, Ill	1927							2	800			8	90,800	2	1,500	347	389,523
	1928											3	182,000			321	957,505
Elizabeth, N. J	1927	3	106,000	3	73,000	1	15,000					11	687,000			671	2,911,500
	1928					2	678,000	1	2,500	2	600	11	489,000	5	98,000	582	2,022,100

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Elkhart, Ind	1927								13	10,666			31	852,425			288	1,743,438
	1928			1	1,000	1	8,000		1	400			28	112,850			302	242,355
Elmira, N. Y	1927			2	82,263				45	2,510			4	4,750	3	990	315	212,684
	1928	1	9,000	1	8,000				34	1,437			13	208,850			300	362,021
El Paso, Tex	1927	1	8,000	8	362,640	2	28,705						20	161,312			214	650,437
	1928			1	30,000	1	6,000		9	1,265			34	629,190			280	856,388
Erie, Pa	1927								50	26,910	1	500	13	525,729			860	1,209,335
	1928					2	1,026,500		43	18,715	1	50	5	45,400	3	1,875	754	1,643,034
Evanston, Ill	1927	6	146,000	1	111,500	4	1,365,000		15	4,600	2	2,600	13	236,300	13	11,100	627	3,082,855
	1928			4	117,000	7	1,765,000		8	20,750			19	493,500	13	63,650	441	4,407,175
Evansville, Ind	1927					10	326,779		29	11,100			26	131,750			493	1,425,740
	1928			2	987,000	8	379,541				70	16,920	11	39,500			536	3,291,840
Everett, Mass	1927			1	35,000				8	1,000			10	124,000			217	586,015
	1928								16	14,545			10	168,100			211	544,258
Everett, Wash	1928										1	1,000	5	367,450			192	415,290
Fall River, Mass	1927								20	7,205	3	1,040	36	95,755	2	480	299	441,410
	1928			4	3,060	1	680,084		25	7,905			19	74,550	2	175	229	2,002,148
Fitchburg, Mass	1927								25	3,217	2	3,500	21	48,350			160	342,507
	1928					1	5,000		32	11,130	1	3,000	2	1,200			106	459,615
Flint, Mich	1927	3	739,953	1	18,000	3	1,233,216		109	32,096	4	14,751	93	655,283	9	2,370	2,570	8,584,192
	1928	1	14,000	1	12,000	4	846,950		131	25,265	2	2,550	95	780,585	291	115,907	2,354	4,525,208
Fond du Lac, Wis	1927			3	180,713								17	150,700			197	378,705
	1928	1	100,000			1	100,000		15	7,620			8	30,175	10	10,125	197	290,631
Fort Smith, Ark	1928					5	486,978		69	3,552	8	850	13	15,400	21	4,207	286	817,696
Fort Wayne, Ind	1927					2	140,000		1	200			59	519,165			919	1,973,790
	1928	2	110,800	1	12,800	1	81,304		20	4,675	4	700	40	653,415			819	1,970,621
Fort Worth, Tex	1927			1	1,200,000	9	325,950		46	5,750	12	14,800	299	4,451,438	9	7,841	1,055	8,746,501
	1928								43	32,000	34	16,342	79	217,495	11	2,110	578	1,291,916
Fresno, Calif	1927			5	10,920	14	732,242		10	910			24	171,410			306	1,452,927
	1928			3	3,275	10	378,799		23	2,431			44	155,450			268	725,007
Galveston, Tex	1927	1	1,100						4	950			16	69,230			252	603,878
	1928			2	5,000				2	400			13	273,700	76	76,000	281	761,876
Gary, Ind	1927	1	750,000	1	26,000	1	35,000		65	17,760	1	1,000	56	1,628,100			1,000	5,090,570
	1928	3	622,960			2	12,500		16	15,850			21	118,750	1	7,500	692	1,511,300
Grand Rapids, Mich	1927	10	277,000	2	180,000				92	53,035			102	1,364,900			2,705	3,799,970
	1928					8	573,200		51	38,295			61	618,500			1,674	2,716,145
Great Falls, Mont	1927			1	14,500	1	111,000		18	2,810	2	200	6	67,445	1	245	208	524,231
	1928			2	27,329	1	816,135		14	3,350			14	601,272			202	1,735,822
Green Bay, Wis	1927	3	943,877										18	332,145	13	4,755	353	1,528,456
	1928			1	127,000	2	280,601		10	4,468			18	407,049			275	997,681
Greensboro, N. C	1927			1	24,500	6	749,095		11	1,536	3	275	27	308,737	30	18,709	222	2,188,418
	1928			1	77,000	6	660,000		27	17,510			48	551,521			216	2,489,279
Greenville, S. C	1927	8	47,650						10	1,800	3	1,570	10	24,200			87	338,720
	1928			5	65,350	1	4,000		22	12,235			16	163,170			84	437,905
Greenwich, Conn	1927			4	459,000	2	168,000		3	3,100	5	15,450	17	274,425	28	67,995	183	1,143,490
	1928					2	95,000		1	150	2	44,000	11	128,550	25	36,320	178	1,177,445
Hagerstown, Md	1927			1	200,000				47	7,020			1	55,000			222	496,475
	1928								20	4,710							163	161,690
Hamilton, Ohio	1927			1	214,000				15	2,250			6	19,250	1	10,000	208	496,185
	1928					3	270,600		12	7,075			3	33,650			213	382,447
Hammond, Ind	1927	1	16,000			1	20,000						55	520,300			368	1,209,600
	1928	1	142,000			1	101,000				3	11,000	45	530,700	2	1,400	326	3,298,280

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TABLE A.—*Number and estimated cost of buildings (new construction, and repairs, alterations, and additions to old buildings) covered by permits issued in 1927 and 1928, by intended use of buildings*—Continued

PART 2.—NEW NONRESIDENTIAL BUILDINGS—Continued

City and State	Year	Public buildings		Public works and utilities		Schools, libraries, etc.		Sheds		Stables and barns		Stores, warehouses, etc.		All other		Total new nonresidential buildings	
		Number	Cost	Number	Cos	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost
Hamtramck, Mich	1927									1	$5,000	13	$120,980			200	$773,600
	1928			1	$6,800			11	$1,040			10	127,850			205	652,730
Harrisburg, Pa	1927			1	1,000			2	700			14	85,125			305	543,790
	1928	2	$3,020,000			1	$35,000					13	72,250			297	3,499,135
Hartford, Conn	1927	3	1,624,300	8	307,060	6	907,783	47	14,065	3	2,030	65	1,417,283			760	8,484,914
	1928			5	23,315	3	1,585,000	42	22,320	2	13,000	35	1,158,292	30	$32,492	581	4,700,917
Haverhill, Mass	1927			1	35,000			7	520	3	1,950	2	1,150	3	6,500	187	266,200
	1928							16	3,350	3	1,575	10	20,600	1	450	178	172,790
Hazleton, Pa	1927					1	6,400	2	5,836			20	277,663			145	998,029
	1928			1	7,530							7	47,938	2	564	75	668,724
Highland Park, Mich	1927			1	350,000	1	134,000					6	19,200			141	1,079,525
	1928							3	5,300			12	161,240			180	1,310,667
Hoboken, N. J	1927			1	150,000	1	10.000	2	1,000			1	2,500	1	6,800	35	1,049,150
	1928							2	1,900			2	51,000			38	250,290
Holyoke, Mass	1927					1	4,500	13	4,850			9	54,900			172	230,200
	1928					1	4,500	10	1,850	2	1,400	4	17,250	3	14,500	159	420,900
Houston, Tex	1927	2	135,900	3	734,013	16	955,916					163	2,881,739	82	84,001	582	11,408,844
	1928	5	367,500	3	373,968	23	2,303,257	2	13,000			178	3,105,919	274	946,292	818	16,510,555
Huntington, W. Va	1927			1	5,000			6	700	1	50	34	47,750			223	784,911
	1928	1	20,000					25	2,500	6	700	3	15,000			166	461,700
Hutchinson, Kans	1928							50	5,500	2	225	37	460,650			306	600,120
Indianapolis, Ind	1927	30	522,754	29	485,915	2	1,800,000	100	11,072			162	1,525,055			5,031	10,427,469
	1928					4	903,500	73	7,332			153	2,043,095			3,162	8,100,473
Irvington, N. J	1927	2	85,063					2	6,500	1	1,500	17	132,925	17	14,660	797	1,207,927
	1928					1	220,000	1	50			7	126,500	21	62,680	557	1,414,453
Jackson, Mich	1927					1	190,000	25	19,680			47	150,775			481	1,415,848
	1928							60	21,071			37	210,275			465	443,240
Jacksonville, Fla	1927	5	241,900	17	706,250	1	6,500	139	40,970			133	1,756,390	664	49,735	1,442	5,034,530
	1928	1	130,000	5	128,150	1	3,500	102	29,875	2	7,075	82	428,350	121	9,490	699	1,555,475
Jamestown, N. Y	1927					3	600,500					20	168,750			351	1,322,775
	1928					2	362,000	2	1,100			9	52,800			253	699,990
Jersey City, N. J	1927			19	2,011,069			4	4,800	2	1,500	42	339,000			514	7,636,825
	1928			18	1,149,025	1	250,000	14	19,750	2	26,500	22	177,740			423	5,272,194
Johnstown, Pa	1927							40	1,232			7	38,000	1	400	235	429,183
	1928					2	250,000	27	1,857			1	5,500	5	17,325	192	616,191
Joliet, Ill	1927			1	600							13	95,400			49	558,950
	1928			1	3,950	4	96,000					15	779,000			62	1,360,928

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Joplin, Mo	1927					6	299,900					34	173,850			145	723,175
	1928					1	42,000					21	92,000			127	298,993
Kalamazoo, Mich	1927					2	108,000	6	420			22	74,072			333	1,198,058
	1928			1	41,000			7	2,150			18	187,060	1	50	294	918,953
Kansas City, Kans	1927					3	233,000					47	260,650			278	740,365
	1928					1	6,000					58	227,655			353	906,832
Kansas City, Mo	1927	1	16,000			8	813,000	44	9,600			90	896,200	47	4,600	926	4,164,832
	1928	1	4,000	3	41,500	2	110,000	4	6,300	4	4,100	72	1,016,150	67	35,850	646	6,880,075
Kearny, N. J	1927			2	33,000	1	1,200	2	1,000	1	5,000	7	21,560			304	2,993,395
	1928			4	55,000			2	200	1	1,400	5	22,000			273	3,170,160
Kenosha, Wis	1927					6	245,200	4	5,550			27	300,050	3	4,500	433	2,538,195
	1928			3	155,300	1	80,000	5	9,375			18	186,115			346	807,141
Kingston, N. Y	1927			1	1,200	1	80,000	47	5,935	3	6,400	11	175,650			282	996,120
	1928							33	6,315	2	1,200	17	36,850			235	336,956
Knoxville, Tenn	1927			4	47,520	9	618,275	106	22,200	6	576	75	283,080	3	1,345	550	2,141,262
	1928	3	73,920	1	480,000	2	330,000	250	90,587	1	15,600	56	592,330			485	2,875,200
Kokomo, Ind	1927							9	870	5	205	7	6,775			246	240,179
	1928							2	150			11	35,780			307	108,751
Lakewood, Ohio	1927					5	268,000					33	8,360	11	7,115	482	494,810
	1928					4	334,000					6	19,770			350	949,646
Lancaster, Pa	1927	1	275,000			1	185,000					9	356,815			179	985,010
	1928											18	56,270			158	689,845
Lansing, Mich	1927	1	23,000	1	80,000	1	1,060,000	33	16,650			24	178,450			557	5,283,515
	1928	1	156,787	2	380,000	2	53,000	15	5,100			46	455,000			501	2,914,862
Lawrence, Mass	1927											5	20,300	6	49,225	143	534,145
	1928											26	259,325			127	323,300
Lebanon, Pa	1927											3	5,000			220	240,000
	1928			2	26,300	1	150,000	3	700			6	79,000			66	302,000
Lewiston, Me	1927							2	1,000							36	318,600
	1928											2	125,000	3	70,000	27	821,000
Lexington, Ky	1927					3	84,200	11	7,030	1	5,000	99	252,315			253	1,140,260
	1928			20	166,000	1	107,000	5	1,350	1	450	7	68,100			187	604,719
Lima, Ohio	1927							2	85			9	35,150			190	329,735
	1928							3	375			10	84,775			166	209,117
Lincoln, Nebr	1927					1	40,000					6	101,000	1	4,000	539	2,148,548
	1928	1	21,741			2	635,000					32	323,300			550	1,578,142
Little Rock, Ark	1927											61	242,757			248	865,627
	1928	1	175,000	1	65,500							51	296,575			228	1,225,386
Long Beach, Calif	1927	10	86,450	5	690,525	2	53,000	283	23,375	1	500	71	814,440	223	1,450,650	1,794	6,577,740
	1928	15	392,330	9	1,146,000	7	171,800	82	9,525			202	2,043,905			1,957	6,886,070
Lorain, Ohio	1927			1	500			3	325			22	101,605			231	392,149
	1928							5	300			19	201,480			266	264,574
Los Angeles, Calif	1927	1	500,000	29	841,844	62	1,963,825	[4] 1,750	[4] 519,482	([5])	([5])	627	10,889,388	109	728,237	13,551	42,090,606
	1928	2	30,000	29	704,702	75	4,825,645	[4] 1,459	[4] 613,326	([5])	([5])	604	8,662,045	113	267,626	11,680	29,302,619
Louisville, Ky	1927			1	150,000	8	1,463,400	415	311,170	14	20,800	90	1,049,500			1,131	12,189,070
	1928			3	1,185,000	7	984,500	403	45,010	13	5,645	64	1,563,000			1,223	7,211,820
Lowell, Mass	1927			1	65,000			43	6,010	2	2,500	3	24,800	7	9,350	247	278,460
	1928			2	250,000			26	5,105			7	24,125	5	315	188	460,205
Lynchburg, Va	1927			1	36,000	2	26,000	27	4,755	5	795	11	254,515			184	924,671
	1928	2	8,350			2	145,036	19	5,890	5	585	10	129,500			156	416,534

[4] Includes stables and barns.

[5] Included with sheds.

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TABLE A.—*Number and estimated cost of buildings (new construction, and repairs, alterations, and additions to old buildings) covered by permits issued in 1927 and 1928, by intended use of buildings*—Continued

***PART 2.—NEW NONRESIDENTIAL BUILDINGS*—Continued**

City and State	Year	Public buildings		Public works and utilities		Schools, libraries, etc.		Sheds		Stables and barns		Stores, warehouses, etc.		All other		Total new nonresidential buildings	
		Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost
Lynn, Mass	1927	1	$2,880	1	$340,000			30	$13,079	1	$800	14	$144,050	2	$9,050	426	$1,069,639
	1928	1	1,400	2	6,500	1	$15,000	21	8,175	6	24,742	26	245,000	31	11,081	482	942,769
McKeesport, Pa	1927							15	1,185			6	76,850			216	335,757
	1928			1	90,000	2	219,400	19	9,835			5	27,000			193	864,541
Macon, Ga	1927					5	780,000	15	11,250			32	173,000			118	1,307,747
	1928							7	3,100			49	486,774	10	15,700	163	749,070
Madison, Wis	1927							5	1,752	1	1,500	42	415,297			469	1,138,935
	1928			2	604,864			3	930			18	323,100			497	1,929,567
Malden, Mass	1927					1	460,000	15	5,895			24	341,475			293	1,163,061
	1928							5	1,480			13	157,100			212	388,597
Manchester, N. H	1927					2	375,000	30	4,322	1	800	13	104,735	1	500	306	870,583
	1928	1	8,100	1	15,000			32	3,625	5	3,920	12	50,185			267	262,735
Mansfield, Ohio	1927							7	1,800			12	183,850			299	824,140
	1928							7	2,591			8	99,100	7	10,252	243	1,005,055
Marion, Ind	1927							14	23,000	1	400	4	16,000			100	326,300
	1928							6	1,500			7	180,000			172	861,660
Marion, Ohio	1927					1	25,000	28	4,565	4	1,100	9	17,840	2	4,750	322	131,965
	1928											147	135,315			473	666,445
Medford, Mass	1927					1	100,000	10	6,535			13	134,525			387	762,351
	1928					1	70,000	4	875			17	109,000			390	635,187
Memphis, Tenn	1927	1	58,500	2	390,000	1	292,500	38	37,050	1	7,800	80	2,363,890	3	8,450	1,074	4,992,355
	1928					3	851,500	53	20,670	2	780	53	1,118,390			1,088	6,123,384
Meriden, Conn	1927			2	24,500					1	3,000	1	12,000			187	354,163
	1928			1	2,700							7	18,350	1	2,500	149	230,726
Miami, Fla	1927	1	3,000,000	8	593,953	1	400,000	84	17,518	3	3,150	104	740,772	219	317,460	988	6,619,752
	1928	1	700	2	3,500	1	600	122	15,732	1	4,000	65	215,130	91	66,347	530	644,633
Milwaukee, Wis	1927	5	247,000	7	1,400,300	11	1,698,897	377	268,661			109	1,794,775			4,383	11,814,718
	1928	2	1,530,000	2	21,000	7	1,968,000	395	384,740			64	1,669,200			3,297	11,714,443
Minneapolis, Minn	1927	8	1,057,370			10	590,770	22	1,850	1	60	103	3,501,500	17	290,695	2,892	10,070,860
	1928			4	6,800	5	1,423,530	21	2,580			151	1,332,950	27	73,015	2,729	10,788,640
Mobile, Ala	1927			2	157,500	3	275,440					28	112,000			67	907,128
	1928	1	12,000	1	70,000	4	162,500					21	211,500			560	1,467,854
Moline, Ill	1927							4	825			4	11,880	1	2,500	198	245,888
	1928											7	45,340			188	905,356
Montclair, N. J	1927					1	230,000			2	11,000	19	404,100	2	39,000	405	1,092,524
	1928							1	200			5	48,600	2	5,500	329	416,211

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Montgomery, Ala	1927											5	194,600			106	357,100
	1928	1	20,000			1	714,970					79	511,773			494	1,721,743
Mount Vernon, N. Y	1927	1	500,000	3	239,100	1	275,000	8	3,555			20	324,600			346	3,778,182
	1928			1	2,500			7	2,055	2	10,500	30	700,088			306	2,658,950
Muncie, Ind	1927	2	111,595			2	193,600	80	3,407	2	1,800	13	35,635	1	300	575	1,576,535
	1928			2	14,000	1	255,175	100	2,853			11	75,210			661	1,287,134
Muskegon, Mich	1927					1	15,000	3	7,400			19	234,900			266	544,587
	1928											22	198,800			289	611,997
Muskogee, Okla	1927	1	325,250					26	6,715			9	15,250			102	574,747
	1928							5	810			9	82,475			108	215,980
Nashville, Tenn	1927			8	2,087,000	10	1,083,000	31	7,455	30	2,005	37	251,550			293	4,186,760
	1928					5	599,000	61	38,580	29	2,285	72	796,300			347	2,977,875
Newark, N. J	1927	2	1,006,161	7	157,500	1	4,500	18	47,912	2	4,150	143	6,173,088	14	157,906	1,731	20,963,745
	1928	3	162,181	8	177,950	3	969,000	13	11,510	2	9,500	117	1,595,179	11	29,725	1,217	11,797,202
Newark, Ohio	1927	1	2,500	1	8,000			4	950			4	96,000			157	401,831
	1928					3	450,000	3	800							180	700,016
New Bedford, Mass	1927	1	45,497			1	2,000	145	36,045			22	95,400			552	769,217
	1928					1	156,458	83	7,230			13	134,650			235	527,653
New Britain, Conn	1927					2	526,000	5	525			6	240,450			351	1,258,765
	1928							142	124,743					3	5,700	381	886,658
New Brunswick, N. J	1927			3	115,150	4	155,000					2	40,800			185	1,412,450
	1928			2	206,500					1	1,300	2	7,000			124	691,745
Newburgh, N. Y	1927					1	124,600					9	182,700			128	675,890
	1928											23	171,700			138	559,475
New Castle, Pa	1927	1	27,200			2	800,000	45	6,370			1	2,500	45	1,685	429	1,737,935
	1928							29	14,495			2	20,500			286	419,915
New Haven, Conn	1927	1	37,000	1	150,000	2	6,515,000	98	104,999			7	200,000			605	8,886,272
	1928			4	1,397,768	3	1,008,000	67	88,898	1	800	10	323,600			470	5,250,094
New London, Conn	1927							11	4,525	2	3,800	17	83,500			220	226,675
	1928			1	18,000			2	2,200			26	81,900			225	396,065
New Orleans, La	1927	1	15,000	2	478,735	5	803,686	83	31,243	4	6,930	87	1,349,204	3	22,500	346	5,394,166
	1928					7	1,318,672	97	62,105	2	6,700	51	580,839	13	6,380	349	4,552,271
Newport, Ky	1927											10	54,545			74	217,545
	1928											6	22,200			51	66,010
Newport, R. I	1927			1	5,000			26	2,390	1	300	4	42,000			168	399,940
	1928	1	32,000	2	1,000			4	2,300	1	750	12	12,500	4	12,600	156	255,220
Newport News, Va	1927											12	38,553			118	56,602
	1928					1	95,800	79	2,861			18	146,951			177	252,908
New Rochelle, N. Y	1927	1	130,000	2	21,000			10	10,195	2	700	17	169,450			296	1,007,529
	1928					1	261,000	7	9,840	2	10,030	16	203,900			276	1,590,822
Newton, Mass	1927					4	457,879	22	3,255	1	1,000	18	304,500	2	12,306	542	2,677,991
	1928	2	153,000			1	191,500	17	2,480			6	251,900			474	1,107,685
New York City, N. Y.:																	
The Bronx	1927	4	205,000	2	75,000	12	3,625,000	2	1,500			203	4,695,950			1,582	30,621,951
	1928	3	185,000	6	200,000	13	8,604,000	1	500			211	5,864,700	2	1,500	1,698	35,047,664
Brooklyn	1927	11	2,245,000			15	12,461,000					193	3,236,800	884	925,195	7,190	55,842,335
	1928	15	2,163,000			13	7,262,000					208	10,471,250	738	884,820	5,997	52,818,900
Manhattan	1927	8	695,000			6	7,380,000					71	20,929,600	26	23,960	504	151,721,515
	1928	11	1,835,500			8	4,115,000					53	8,443,500	45	85,040	614	137,967,920
Queens	1927	9	1,078,000	16	768,300	20	11,308,700	97	62,936	10	104,950	440	5,774,810	219	75,713	8,406	39,698,618
	1928	9	657,000	8	330,500	7	2,986,000	53	59,070	13	58,450	402	5,754,550	241	111,110	7,801	25,374,515
Richmond	1927	5	360,000	1	5,280	6	739,500	39	18,577	1	150	103	608,700	124	35,642	1,310	3,331,583
	1928	2	80,000	2	202,000	4	1,268,000	37	25,600	1	1,500	137	537,627	142	80,024	1,413	5,688,928

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TABLE A.—*Number and estimated cost of buildings (new construction, and repairs, alterations, and additions to old buildings) covered by permits issued in 1927 and 1928, by intended use of buildings*—Continued

***PART 2.—NEW NONRESIDENTIAL BUILDINGS*—Continued**

City and State	Year	Public buildings		Public works and utilities		Schools, libraries, etc.		Sheds		Stables and barns		Stores, warehouses, etc.		All other		Total new nonresidential buildings	
		Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost
Niagara Falls, N. Y.	1927			4	$21,500	1	$375,000	26	$5,430	2	$1,150	39	$171,357			511	$1,578,881
	1928	1	$40,000	5	642,300	2	236,249	17	1,480	4	440	59	192,525	11	$9,400	513	1,822,875
Norfolk, Va.	1927			1	500,000	1	15,000	34	5,535	9	1,130	20	132,859			547	969,714
	1928	3	43,200	4	295,700	1	151,000	30	6,245	1	150	21	155,850			543	1,205,253
Norristown, Pa.	1927			1	9,000	2	450,500	10	610	3	2,100	9	88,650			163	878,712
	1928							11	751			9	75,150			158	407,025
Norwalk, Conn.	1927			1	800			12	10,750	1	12,500	14	149,460			281	1,221,860
	1928			2	300,000			32	53,125	2	8,000	13	197,300			306	1,854,280
Oakland, Calif.	1927	3	187,500	17	460,797	18	2,137,095	10	14,040			111	1,633,765	33	173,618	2,258	8,892,612
	1928	1	7,500	19	324,530	14	1,408,086	16	11,670			98	3,636,264	18	52,696	1,783	8,934,559
Oak Park, Ill.	1927	1	7,000			3	910,000	3	2,050			7	199,500			557	2,083,231
	1928	3	30,000			3	239,994	1	2,000			12	638,500	2	12,300	450	2,158,796
Ogden, Utah	1927	1	5,000			1	35,000					39	83,810			53	206,460
	1928			1	200,000			3	1,700			16	118,425			40	726,025
Oklahoma City, Okla.	1927	3	30,002	2	42,100	4	383,000	4	390			80	961,075			1,357	5,342,218
	1928	1	38,302	2	26,200	14	1,073,383	19	6,410	1	1,800	113	909,098			1,248	3,538,121
Okmulgee, Okla.	1927			1	750	5	143,400	2	650			5	2,460	1	800	39	189,425
	1928					2	140,000					9	38,050			20	182,065
Omaha, Nebr.	1927					3	285,000	8	2,440	11	17,995	65	505,590	20	46,645	469	1,644,450
	1928					3	192,000	30	134,825			83	965,640	9	39,000	535	5,164,123
Orange, N. J.	1927							3	850	1	850	13	123,350			192	1,026,776
	1928					1	150,000					17	574,780			144	1,401,690
Oshkosh, Wis.	1927	2	24,090									1	7,000			219	200,505
	1928			1	25,000			2	250			7	38,300			198	147,858
Ottumwa, Iowa	1927							2	700	1	300	7	23,200			64	271,750
	1928											4	22,000			62	123,650
Paducah, Ky.	1927							5	1,500			8	30,000			33	42,000
	1928							2	450			15	22,600			51	121,855
Pasadena, Calif.	1927	1	25,746	4	16,250	11	455,924					73	1,106,075			614	3,730,499
	1928			6	15,700	5	380,828					39	676,310	162	55,333	624	1,672,324
Passaic, N. J.	1927			3	28,800	1	512,825	3	600			24	340,425			291	1,679,474
	1928			21	131,500					1	150	14	238,522			266	806,407
Paterson, N. J.	1927	1	49,000	3	11,000			9	5,596			52	565,225	1	335	503	1,665,227
	1928			5	279,000	1	48,579	6	1,700	1	400	55	1,046,875	3	4,200	453	3,628,151
Pawtucket, R. I.	1927			1	3,000			22	3,170	1	250	16	134,750			469	759,190
	1928			2	25,000	1	100,000	16	2,165	1	400	8	34,600	4	1,200	440	506,309

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Peoria, Ill	1927	3	148,000			1	45,000	41	32,675			22	366,500			578	1,110,960
	1928							23	10,230	2	14,000	26	588,650	2	26,000	525	1,228,795
Perth Amboy, N. J	1927			3	176,000							6	42,545			155	447,728
	1928							3	2,700			14	139,900			129	477,940
Petersburg, Va	1927															47	9,297
	1928											8	16,600			74	229,117
Philadelphia, Pa	1927	9	348,845			22	9,314,825			7	171,000	210	6,882,405	65	319,435	2,236	47,191,750
	1928	1	110,000	4	1,407,500	21	6,285,790			3	23,000	186	6,323,240	46	170,920	1,930	44,241,575
Phoenix, Ariz	1927	1	26,800	1	16,000	1	107,300					61	695,163			189	2,155,126
	1928	3	1,077,468			12	693,386	11	2,190			3	164,000			233	3,157,239
Pittsburgh, Pa	1927	2	16,000	11	326,680	5	633,300	61	16,913	1	17,220	95	2,789,350	54	236,641	2,311	12,373,886
	1928	4	399,000	16	1,497,656	12	1,531,435	20	11,910	3	3,050	133	1,796,614	28	82,255	1,979	21,655,360
Pittsfield, Mass	1927					2	6,500	4	4,900	2	575	19	57,410	1	800	213	450,080
	1928							8	7,750	5	1,525	17	28,650			208	540,715
Plainfield, N. J	1927					1	343,755			3	1,800	13	163,450			378	1,447,773
	1928			1	1,500			1	634			16	191,113	1	3,000	415	991,369
Pontiac, Mich	1927			9	110,600			12	4,550			82	524,845			875	12,618,739
	1928			4	386,000	6	1,956,775	11	5,050			73	403,130			944	6,535,881
Port Arthur, Tex	1927	3	200,657	55	183,627			19	2,048			7	3,440			235	448,990
	1928	1	33,915			1	443,000	30	14,878			54	177,467			229	725,943
Port Huron, Mich	1927											11	33,800			53	141,615
	1928							2	750			3	5,600	1	200	47	238,900
Portland, Me	1927					1	85,000	56	13,211	2	1,050	5	145,650	21	93,000	318	724,412
	1928			2	82,000			69	8,400	3	800	13	697,020	5	4,450	364	1,172,442
Portland, Oreg	1927	6	92,000	5	2,819,600	12	1,478,700	345	261,125			80	987,935			3,760	12,800,445
	1928	7	69,200			7	745,200	329	454,225			85	1,347,555			2,939	8,355,155
Portsmouth, Ohio	1927							5	1,825			12	17,700	1	300	141	699,990
	1928							4	1,800			20	237,925	1	700	117	529,850
Portsmouth, Va	1927			1	12,000			6	512			5	22,500			120	75,382
	1928							14	1,825			4	6,500	1	4,500	111	292,890
Poughkeepsie, N. Y	1927							2	350			15	177,725			116	392,627
	1928	1	33,753			2	392,081	1	500			14	224,925			130	768,569
Providence, R. I	1927	1	463,000	5	704,000	5	1,917,000	89	53,600	1	200	73	1,170,850			1,192	11,985,504
	1928	3	1,432,364	1	12,000	3	340,000	42	17,250	1	5,000	79	1,295,920	41	56,750	1,176	5,546,894
Pueblo, Colo	1927			1	1,800	3	62,200	65	11,080			22	120,250	3	110	452	324,562
	1928			7	15,960			35	4,287			23	45,372			397	259,158
Quincy, Ill	1927							10	1,870	1	5,000	12	56,700	1	700	198	228,828
	1928							14	6,925			16	189,650			166	566,961
Quincy, Mass	1927							20	24,710			29	457,625			755	1,120,662
	1928					2	279,500	33	12,851	2	9,000	37	1,246,800			813	2,809,972
Racine, Wis	1927					2	1,250,000	3	525	1	500	27	168,275			638	3,070,050
	1928					1	52,472	6	14,050			17	98,750			454	1,024,945
Reading, Pa	1927			1	30,000	4	420,000	30	12,725	2	1,100	55	222,375	5	8,000	524	1,981,425
	1928			3	44,400	1	78,369	22	10,000			17	79,050	3	1,800	408	1,221,939
Revere, Mass	1927					2	215,000			2	2,500	13	23,100	1	6,000	106	39[illegible],295
	1928			3	3,600			3	1,950			8	45,450	2	1,000	120	176,352
Richmond, Ind	1927							2	250			12	104,900			161	184,894
	1928							1	100			17	50,350			142	104,675
Richmond, Va	1927	1	11,000			1	11,000	627	174,989			232	2,063,309			1,463	5,280,328
	1928					1	571,164	424	106,883	1	900	107	1,204,349			826	2,379,120
Roanoke, Va	1927							3	3,060			47	417,640			394	738,062
	1928	2	53,870			6	677,540					48	329,449			325	1,738,749

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TABLE A.—*Number and estimated cost of buildings (new construction, and repairs, alterations, and additions to old buildings) covered by permits issued in 1927 and 1928, by intended use of buildings*—Continued

***PART 2.—NEW NONRESIDENTIAL BUILDINGS*—Continued**

City and State	Year	Public buildings		Public works and utilities		Schools, libraries, etc.		Sheds		Stables and barns		Stores, warehouses, etc.		All other		Total new nonresidential buildings	
		Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost
Rochester, N. Y.	1927			5	$457,200	10	$2,264,714	95	$68,686			47	$516,657	20	$2,175	2,508	$10,127,687
	1928			3	80,500	6	3,851,007	83	81,410	5	$33,700	52	506,350	31	34,455	1,914	7,529,025
Rockford, Ill.	1927	7	$7,250									42	683,125	1	50	888	1,736,417
	1928	1	13,000			2	69,500	9	16,675			28	373,200	1	5,000	684	1,560,225
Rock Island, Ill.	1927					1	160,000	6	1,400	2	400	2	20,000			230	710,080
	1928							1	7,500							185	50,015
Sacramento, Calif.	1927	2	2,111,969			1	35,000	52	8,965			40	365,775	49	18,050	455	3,914,434
	1928	1	108,150			3	70,410	30	12,030			56	582,602			344	1,326,452
Saginaw, Mich.	1927			1	1,293,000			59	11,823	4	605	16	132,500			581	2,342,752
	1928					2	319,776	59	7,281	6	510	23	400,348	15	3,275	601	2,252,556
St. Joseph, Mo.	1927					1	25,000					21	202,600			211	362,392
	1928							20	5,230			15	79,050			148	1,504,443
St. Louis, Mo.	1927	4	6,400,000	2	26,000	17	965,300	976	168,177	1	30,000	159	1,569,300	1	1,000	4,946	16,730,810
	1928	2	1,000,000	2	330,000	32	1,146,600	957	150,826			219	5,503,175			4,963	15,658,349
St. Paul, Minn.	1927	2	114,000			4	942,000					28	399,166	182	215,090	1,754	2,493,993
	1928			1	54,000	1	9,288					28	440,280	375	406,989	1,818	2,497,320
St. Petersburg, Fla.	1927	4	192,100	2	6,500	6	235,000	8	2,900			56	388,500	48	15,300	598	1,196,500
	1928	2	1,700	3	3,300			1	600			18	34,800			329	691,900
Salem, Mass.	1927			1	5,000	1	450,000	2	75			17	125,700			170	1,032,225
	1928	1	150,000				125,000	8	700			10	187,050			152	581,125
Salt Lake City, Utah	1927	2	38,000			4		12	4,220			32	193,440			182	1,020,465
	1928			2	54,000	3	661,000	10	22,370			52	394,035	3	8,700	248	1,633,216
San Antonio, Tex.	1927											112	681,320	18	22,370	626	3,502,430
	1928			1	75,000	2	327,500					127	1,190,081	201	469,979	743	8,071,194
San Diego, Calif.	1927	11	623,689	4	59,300	7	65,000	225	45,773			122	910,906	45	10,240	1,402	4,309,344
	1928	6	281,390	3	435,950	15	275,778	211	45,667	1	750	109	1,142,390	40	20,000	1,210	3,910,839
San Francisco, Calif.	1927	1	61,694	14	1,023,740	13	1,712,124	19	23,995			146	2,421,041			450	9,952,532
	1928	3	262,824	6	1,363,781	12	1,761,689	16	30,150			101	1,502,965			445	11,356,816
San Jose, Calif.	1927			2	21,200	2	158,790	59	19,470			35	374,340			336	1,846,180
	1928			4	12,075			37	9,835			30	467,060			283	932,000
Savannah, Ga.	1927											24	417,075			120	587,130
	1928											28	193,425			91	580,404
Schenectady, N. Y.	1927			3	77,000			16	5,000	1	3,500	24	160,100	2	1,100	468	1,330,245
	1928			2	2,300	2	158,000	12	3,650	1	200	20	262,000			506	1,117,570
Scranton, Pa.	1927			1	90,000	6	1,078,203	6	5,840	1	2,000	17	79,255			505	3,848,965
	1928					3	538,985	16	8,515	1	500	2	236,500			372	1,897,498

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Seattle, Wash	1927	2	42,000	9	66,000	9	1,441,800	418	64,830	1	75	181	2,690,335			2,814	9,097,815
	1928	11	590,250	5	40,500	5	1,028,400	321	52,930	2	700	185	6,022,100			2,478	12,754,665
Sheboygan, Wis	1927					1	58,000	12	3,175	6	1,350	24	186,268			360	666,422
	1928	1	28,300	1	15,000			15	4,500	6	5,425	30	202,690			309	558,765
Shreveport, La	1927			3	9,840	6	12,000	198	16,419			26	367,435			550	1,764,122
	1928	1	18,130			3	390,369	5	1,450	1	100	74	660,018			362	1,904,439
Sioux City, Iowa	1927	2	29,000	1	125,000			23	6,915			20	119,650			385	848,900
	1928	1	20,000					29	32,325			21	154,750			427	907,310
Sioux Falls, S. Dak	1927			2	495,005							12	130,000			59	1,154,505
	1928			6	191,250	1	100,000			1	1,250	27	213,750	1	4,400	78	984,620
Somerville, Mass	1927							9	1,275			19	189,400	7	31,650	248	1,134,003
	1928							9	6,345			15	243,570			105	342,645
South Bend, Ind	1927			3	41,500	2	175,000	114	13,300			44	310,000			1,528	1,937,878
	1928	1	60,000	8	856,800			58	9,830			30	230,950			1,351	3,081,065
Spokane, Wash	1927	2	9,065	1	3,000	4	459,150	3	525			28	337,261	9	7,500	939	1,045,332
	1928			5	15,350	2	175,000	108	17,200	1	4,200	50	391,557	21	18,595	875	2,610,038
Springfield, Ill	1927	1	129,000			2	212,200	2	2,300	1	250	17	56,360	6	1,550	375	1,740,173
	1928			2	12,500	2	213,000	6	2,300			20	632,350	21	25,685	426	1,389,225
Springfield, Mass	1927	1	32,000					39	71,575			10	237,600	18	97,299	965	2,331,114
	1928			1	87,000			19	59,675			18	142,200	27	86,015	728	1,680,274
Springfield, Mo	1928			1	20,000			5	2,550			28	94,900	10	2,950	163	688,760
Springfield, Ohio	1927			1	140,000			12	13,725	1	150	9	15,500			340	640,070
	1928							7	1,500			13	69,850	42	19,837	468	400,014
Stamford, Conn	1927					1	1,041,914	32	16,800			18	200,400	2	1,600	369	2,088,971
	1928			1	37,500			21	7,750			12	201,075	1	700	318	1,535,060
Steubenville, Ohio	1927			1	650,000							2	75,000			100	830,110
	1928			2	15,000	1	80,000	3	300			15	14,100			153	443,595
Stockton, Calif	1927	1	5,744	1	145,650	2	113,000	36	23,900	2	6,400	33	108,332	5	5,200	536	979,813
	1928					2	81,240	51	31,568	1	2,500	30	171,650	1	25	424	579,432
Superior, Wis	1927			1	45,000			36	4,610	6	580	5	686,000			203	826,786
	1928			2	26,000			31	4,585	1	300	8	756,300			198	1,113,855
Syracuse, N. Y	1927	2	121,874			3	607,000	3	800			59	647,315	38	25,560	1,724	10,126,002
	1928	1	73,273	2	106,863	2	423,117	2	1,165	1	200	44	486,150	32	9,775	1,392	3,726,403
Tacoma, Wash	1927			2	170,000	2	144,000	162	25,660			39	371,750			597	2,031,323
	1928	3	27,000	2	9,000	2	125,000	264	54,320			35	367,550	3	8,500	591	1,365,470
Tampa, Fla	1927			3	13,000	7	1,881,827	334	29,588			106	796,450	5	6,075	1,045	3,362,290
	1928			6	81,150	2	32,000	224	27,330			55	320,850	1	3,000	668	1,321,770
Taunton, Mass	1927			2	6,300			34	7,614	7	2,725	7	117,310			195	440,793
	1928			1	5,000			24	2,385	3	750	9	36,640			171	252,947
Terre Haute, Ind	1927	4	113,000					2	340			5	62,000	1	100	482	348,847
	1928					2	128,000	6	460			5	11,650			395	269,145
Toledo, Ohio	1927	2	19,000			5	1,337,303			1	15,000	144	2,403,794			3,063	6,003,840
	1928	1	125,000	7	540,600	5	566,061					130	1,535,457			2,587	7,805,171
Topeka, Kans	1927	2	121,100			2	303,163	58	15,447			25	157,630			605	746,640
	1928	1	40,000			3	298,225	74	23,737			8	64,150			583	645,400
Trenton, N. J	1927			2	23,900	5	42,548	19	18,861	4	3,400	9	58,285			543	1,967,079
	1928			3	155,000	1	73,000	18	14,162	2	400	29	258,205			430	1,792,767
Troy, N. Y	1927	2	106,000			1	700,000	2	4,500			4	338,700			193	2,043,269
	1928					3	52,000	1	2,400			7	65,200	8	1,925	164	270,850
Tucson, Ariz	1927	2	7,860	2	112,500	2	126,685	11	5,540							334	352,600
	1928	2	301,500	1	8,000	1	11,000	14	1,807			22	189,434	28	35,637	228	1,428,423
Tulsa, Okla	1927					11	196,262	73	20,152			102	1,160,120	4	110,500	1,567	8,386,146
	1928					4	290,849	100	30,980			103	1,346,340	5	1,940	1,758	3,843,407

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TABLE A.—*Number and estimated cost of buildings (new construction, and repairs, alterations, and additions to old buildings) covered by permits issued in 1927 and 1928, by intended use of buildings*—Continued

PART 2.—NEW NONRESIDENTIAL BUILDINGS—Continued

City and State	Year	Public buildings		Public works and utilities		Schools, libraries, etc.		Sheds		Stables and barns		Stores, warehouses, etc.		All other		Total new nonresidential buildings	
		Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost
Union City, N. J.	1927											1	$1,800			286	$670,500
	1928											8	74,650			105	422,785
Utica, N. Y.	1927									2	$3,500	17	208,400			322	1,354,395
	1928			1	$50,000	1	$200,000					13	261,400	1	$500	255	1,085,365
Vallejo, Calif.	1927	1	$82,000	1	30,000			8	$260	2	700	9	143,615			235	316,729
	1928					2	3,500	1	50			6	36,681	4	4,000	109	113,538
Waco, Tex.	1927							23	4,260			16	64,939			56	262,881
	1928					2	145,000	11	3,605			18	133,200			71	1,366,017
Waltham, Mass.	1927							16	10,675			14	122,800			182	640,545
	1928					1	20,000	15	1,505			1	2,500	21	9,165	260	541,670
Warren, Ohio	1927							29	1,220			9	27,720			534	211,330
	1928			1	3,000							6	19,300			140	233,110
Washington, D. C.	1927	2	80,778	7	69,498	13	1,720,835	85	23,565	1	50,000	186	2,385,450	3	15,180	2,025	10,930,436
	1928			4	857,786	14	1,801,104	50	6,600			194	2,281,250	2	4,800	1,914	16,947,076
Waterbury, Conn.	1927	2	53,000			3	368,563	35	29,300			45	189,700	73	67,950	571	1,839,288
	1928							22	22,250	5	5,100	21	128,000			362	903,950
Waterloo, Iowa	1927	1	20,000			1	18,000	37	4,545	6	6,100	19	193,600			385	404,751
	1928	1	1,000	3	14,826			15	4,300			25	274,395			431	1,211,884
Watertown, Mass.	1927					1	80,000	12	2,625			6	53,500			272	602,430
	1928					1	80,000	5	250			9	57,800			245	482,625
Watertown, N. Y.	1927			1	12,000					1	350	4	30,750			209	94,920
	1928					2	568,000	2	115	1	100	5	35,000			206	652,230
West New York, N. J.	1927											4	65,500			89	579,050
	1928											3	24,000	1	2,250	53	550,875
Wheeling, W. Va.	1927			2	110,850	2	264,276	5	1,750	1	6,500	11	42,425	7	19,800	269	1,321,073
	1928			3	15,500	1	200,000	1	200			6	127,950	3	3,150	185	690,526
White Plains, N. Y.	1927			1	155,000			4	1,000			13	369,200			264	2,167,566
	1928			1	9,000	3	1,530,500	4	2,300			14	464,900	4	4,000	278	5,374,164
Wichita, Kans.	1927					2	120,000	50	16,737			106	1,127,359	4	111,500	621	2,312,986
	1928	1	23,700			4	771,933	43	6,830			110	506,695	2	4,100	561	2,707,363
Wichita Falls, Tex.	1927	2	510,000	4	184,100	9	282,075			1	10,000	113	482,490	21	12,000	186	1,663,497
	1928											30	159,485			70	414,612
Wilkes-Barre, Pa.	1927					3	886,666					15	91,950			292	3,172,439
	1928	1	286,934			1	51,000					12	105,450			272	2,479,924
Wilkinsburg, Pa.	1927			2	90,000	2	625,000									165	841,590
	1928											7	34,800			128	801,461

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Williamsport, Pa	1927			2	60,000	2	288,777	4	2,555	8	1,110	2	7,200	5	5,300	209	1,465,715
	1928					1	67,000	4	31,087			12	61,450	45	12,263	252	704,675
Wilmington, Del	1927	1	206,840	2	228,300	1	162,000	2	2,200	2	1,075	17	216,168	3	7,200	922	3,378,799
	1928			2	23,997	2	666,111	1	1,000	2	7,725	22	118,330			840	1,520,194
Wilmington, N. C	1927			1	5,000							4	83,500			51	220,075
	1928											15	201,500			69	370,500
Winston-Salem, N. C	1927			7	30,810			44	14,255	8	18,492	71	1,200,732			712	2,199,176
	1928			3	114,000			42	5,735	4	6,144	45	561,962	4	3,124	672	4,404,362
Woonsocket, R. I	1927	1	9,200	1	4,000			27	12,230			2	5,800			201	422,654
	1928	1	53,000	2	4,535			30	10,319			6	22,900	2	5,700	146	189,670
Worcester, Mass	1927	1	5,400	2	101,000	1	119,354	77	15,468	2	730	17	364,265	29	14,890	765	2,229,729
	1928			10	1,017,495	4	625,950	64	18,449	3	11,000	19	190,027	23	15,296	654	2,873,101
Yonkers, N. Y	1927	3	550,000	4	33,500	2	767,937	15	4,941			46	788,190	13	5,200	733	5,333,244
	1928	1	225,000	1	20,000	1	96,000	8	23,500	3	20,000	35	1,443,200	35	12,700	674	4,820,089
York, Pa	1927					1	80,000			4	920	2	1,000	2	9,600	207	752,992
	1928							4	750			4	36,600			240	772,632
Youngstown, Ohio	1927			1	600,000	4	791,000	18	3,175	5	750	41	293,350	10	15,000	1,024	2,942,760
	1928	1	200,000	3	98,000			23	5,065			26	128,150			1,055	3,064,325
Zanesville, Ohio	1927					1	164,500	3	910			11	37,175			150	543,756
	1928							4	465			10	19,010			114	102,491
Total:																	
302 cities	1927	339	47,450,619	593	45,389,033	837	155,542,100	[2] 13,608	[2] 5,091,261	[2] 358	[2] 823,018	13,280	215,747,108	4,283	7,239,146	232,113	1,278,541,605
310 cities	1928	243	29,378,349	517	38,690,950	852	143,519,854	[2] 11,787	[2] 4,895,029	[2] 367	[2] 583,553	13,111	211,890,765	4,158	7,710,836	203,440	1,185,219,330

[2] See notes to details.

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TABLE A.—*Number and estimated cost of buildings (new construction, and repairs, alterations, and additions to old buildings) covered by permits issued in 1927 and 1928, by intended use of buildings*—Continued

PART 3.—REPAIRS, ALTERATIONS, AND ADDITIONS TO OLD BUILDINGS, AND GRAND TOTAL OF ALL PERMITS

City and State	Year	Repairs, etc., on residential buildings [6]				Repairs, etc., on nonresidential buildings [6]		Total repairs, etc.[6]		Grand total of all permits—new construction and repairs, etc.		Rank in cost of construction	Installation permits	
		Housekeeping dwellings		Nonhousekeeping dwellings										
		Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost		Number	Cost
Akron, Ohio	1927							752	$998,676	5,495	$20,196,088		253	$322,219
	1928							750	1,647,596	5,356	19,485,096	25	408	167,189
Alameda, Calif.	1927	272	$101,347			24	$19,126	296	120,473	792	1,536,930			
	1928	244	110,242			13	26,430	257	136,672	734	2,131,396	180		
Albany, N. Y.	1927							1,833	2,822,128	2,684	16,188,743		120	122,356
	1928							1,418	2,389,810	2,226	14,893,525	35		
Allentown, Pa.	1927	304	419,444			90	255,750	394	675,194	1,663	6,588,169			
	1928	382	311,400			83	138,925	465	450,325	1,556	5,935,040	87		
Altoona, Pa.	1927	585	248,064			116	234,725	701	482,789	1,479	3,041,304		77	16,973
	1928	529	189,814			335	272,817	864	462,631	1,313	3,360,907	141	86	14,711
Amsterdam, N. Y.	1927							7	42,500	170	607,530			
	1928							2	6,000	163	683,675	284		
Alton, Ill.	1928	204	107,724			84	120,616	288	228,340	564	1,044,455	264	240	74,892
Anderson, Ind.	1927	340	162,439			81	100,538	421	262,977	936	2,213,382		1	40
	1928	315	114,094			57	169,725	372	283,819	796	2,452,833	168		
Asheville, N. C.	1927	450	249,760			86	478,500	536	728,260	1,187	5,987,153		58	15,494
	1928	267	121,203			107	141,545	374	262,748	901	3,095,110	147	54	11,091
Ashtabula, Ohio	1927	172	50,010	4	$750	43	27,340	219	78,100	410	496,780		32	7,412
	1928	116	40,510			52	78,269	168	118,779	347	513,872	300	27	4,765
Atlanta, Ga.	1927							1,531	1,341,925	4,085	11,860,907		369	220,215
	1928							1,487	2,274,848	3,952	27,394,779	19	222	185,762
Atlantic City, N. J.	1927	534	432,499	35	128,038	197	630,019	766	1,190,556	1,091	5,822,864		410	490,758
	1928	442	488,748	30	129,300	200	1,005,984	672	1,624,032	839	7,410,842	71	333	291,676
Auburn, N. Y.	1927							76	180,892	250	843,194			
	1928	92	121,506			22	37,220	114	158,726	321	515,596	299		
Augusta, Ga.	1927	1,272	157,615			170	180,123	1,442	337,738	1,965	1,459,090		52	5,635
	1928	1,478	107,418	1	110,000	355	167,680	1,834	385,098	2,233	1,550,944	226	46	2,857
Aurora, Ill.	1927	316	192,210			72	143,331	388	335,541	1,036	2,791,528		27	35,340
	1928	298	171,673			69	128,099	367	299,772	864	2,950,472	151		
Baltimore, Md.	1927							13,679	5,772,090	20,625	28,437,790			
	1928							12,193	7,467,150	17,099	33,945,350	18		
Bangor, Me.	1927	6	5,100			15	37,200	21	42,300	134	851,355			
	1928	20	22,450	1	1,000	18	132,900	39	156,350	173	625,610	288		

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Battle Creek, Mich	1927	207	136,395			22	76,430	229	212,825	883	4,751,866			
	1928	202	114,307			63	70,500	265	184,807	762	2,871,312	156		
Bay City, Mich	1927							1,109	393,164	1,487	775,209			
	1928	118	241,490			104	113,205	222	354,695	499	1,844,896	202		
Bayonne, N. J	1927	120	103,450			2	13,500	122	116,950	338	1,949,950			
	1928							310	188,065	504	1,995,365	189		
Beaumont, Tex	1928							1,120	710,856	1,901	4,326,769	115		
Belleville, Ill	1928							23	6,740	274	1,021,621	265		
Bellingham, Wash	1927	255	84,588			141	225,020	396	309,608	951	1,787,110			
	1928	331	89,108			135	175,105	466	264,213	990	1,872,318	198		
Berkeley, Calif	1927							1,287	929,384	2,669	6,683,068			
	1928							1,487	558,676	2,487	6,076,626	82		
Bethlehem, Pa	1927	234	337,855	10	7,950	59	203,775	303	549,580	803	2,476,621		43	8,650
	1928	237	208,531	2	11,200	42	143,885	281	363,616	743	3,843,006	123	59	19,980
Binghamton, N. Y	1927	909	383,854			825	687,395	1,734	1,071,249	2,441	4,290,909			
	1928	704	254,599			866	439,477	1,570	694,076	2,273	3,456,393	139		
Birmingham, Ala	1927	1,637	626,905	1	63	444	1,228,072	2,082	1,855,040	5,392	21,786,696		935	878,135
	1928	2,442	737,615	4	12,675	460	653,623	2,906	1,403,913	5,687	14,224,577	39	779	598,877
Bloomfield, N. J	1927	14	15,500			4	110,000	18	125,500	999	6,880,077			
	1928	36	40,500	6	5,000	8	563,000	50	608,500	891	4,540,600	110		
Bloomington, Ill	1927	15	19,000			15	58,000	30	77,000	179	924,200			
	1928	14	21,500			13	42,000	27	63,500	164	1,382,800	232		
Boston, Mass	1927	4,226	2,795,530	114	335,383	1,797	7,217,081	6,137	10,347,994	9,839	60,987,468		8,301	7,814,242
	1928	3,682	2,263,774	106	213,895	1,677	5,259,456	5,465	7,737,125	9,255	55,698,557	7	7,380	8,104,037
Bridgeport, Conn	1927	94	105,310			62	625,890	156	731,200	1,145	5,186,712		8	4,196
	1928	201	94,055			179	362,043	380	456,098	1,135	3,526,622	135		
Brockton, Mass	1927	295	115,738			151	115,501	446	231,239	952	1,433,359			
	1928	294	92,375			132	184,575	426	276,950	887	1,725,858	212		
Brookline, Mass	1927	117	286,270			61	214,993	178	501,263	536	5,902,440			
	1928	130	314,694			86	238,383	216	553,077	588	6,291,422	80		
Buffalo, N. Y	1927	1,166	760,702			360	781,920	1,526	1,542,622	6,605	33,073,453			
	1928	946	589,701			325	533,023	1,271	1,122,724	5,545	24,401,983	20		
Burlington, Iowa	1927							65	57,000	203	721,140		45	1,350
	1928							76	40,900	238	443,771	303		
Butler, Pa	1928	31	25,460			20	60,636	51	86,096	136	388,836	307		
Butte, Mont	1927	17	7,250			22	18,951	39	26,201	55	68,249		21	6,795
	1928	92	81,830			42	69,560	134	151,300	215	366,440	308	25	817
Cambridge, Mass	1927	343	264,919			234	934,555	577	1,199,474	1,057	9,557,469			
	1928	350	245,149			235	692,461	585	937,610	1,052	8,083,723	64		
Camden, N. J	1927	568	272,661			143	347,051	711	619,712	1,751	5,330,327			
	1928	459	211,250	9	19,550	122	435,165	590	665,965	1,293	7,428,055	70		
Canton, Ohio	1927	406	155,495	2	550	219	283,286	627	439,331	1,944	4,156,020		40	14,209
	1928	343	120,126	2	10,050	229	448,995	574	579,171	1,579	3,662,318	130	84	14,687
Cedar Rapids, Iowa	1927	651	194,608			78	151,963	729	346,571	1,358	2,602,622			
	1928	542	174,048			88	407,551	630	581,599	1,256	2,438,230	169		
Central Falls, R. I	1927	55	26,855			10	7,560	65	34,415	192	798,730			
	1928							36	73,000	98	303,345	309		
Charleston, S. C	1927	250	201,333			96	127,382	346	328,715	433	586,099			
	1928	248	73,999			106	103,408	354	177,407	454	560,635	295	3	412
Charleston, W. Va	1927							168	519,775	611	2,038,709		144	141,264
	1928							131	259,390	601	2,873,180	155	104	31,894

[6] For years in which figures are shown for total repairs, etc., only, no details were reported.

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TABLE A.—*Number and estimated cost of buildings (new construction, and repairs, alterations, and additions to old buildings) covered by permits issued in 1927 and 1928, by intended use of buildings*—Continued

***PART 3.—REPAIRS, ALTERATIONS, AND ADDITIONS TO OLD BUILDINGS, AND GRAND TOTAL OF ALL PERMITS*—Continued**

City and State	Year	Repairs, etc., on residential buildings				Repairs, etc., on nonresidential buildings		Total repairs, etc.		Grand total of all permits — new construction and repairs, etc.		Rank in cost of construction	Installation permits	
		Housekeeping dwellings		Nonhousekeeping dwellings										
		Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost		Number	Cost
Charlotte, N. C.	1927	235	$165,258			86	$656,201	321	$821,459	1,137	$5,554,884			
	1928	356	207,052			71	202,218	427	409,270	1,397	7,458,264	69		
Chattanooga, Tenn.	1927	1,535	370,624			589	473,427	2,124	844,051	3,006	4,874,201		114	$100,966
	1928	1,553	305,612	5	$910	717	418,895	2,275	725,417	2,939	4,703,486	105	123	89,228
Chelsea, Mass.	1927	149	92,630			76	208,525	225	301,155	343	866,060		3	1,200
	1928	126	83,955			73	181,220	199	265,175	348	1,163,715	253		
Chester, Pa.	1927	91	112,925			42	159,000	133	271,925	664	2,396,265		15	16,450
	1928							101	208,675	489	1,746,542	210	28	25,400
Chicago, Ill.	1927	3,950	2,911,610			2,733	8,512,247	6,683	11,423,857	26,100	365,065,042		416	1,603,600
	1928	3,579	2,117,435			2,336	6,182,705	5,915	8,300,140	19,982	323,509,048	2	856	3,614,000
Chicopee, Mass.	1927	98	61,150			32	16,000	130	77,150	445	1,117,110			
	1928	91	52,875			33	61,425	124	114,300	406	1,275,565	241		
Cicero, Ill.	1927	96	122,104			9	31,600	105	153,704	588	4,635,829			
	1928	162	244,966			3	55,000	165	299,966	547	3,860,080	122		
Cincinnati, Ohio	1927							4,790	4,785,110	8,662	30,570,299		2,940	1,704,713
	1928							5,545	4,778,740	9,431	35,458,730	13	4,892	3,446,565
Clarksburg, W. Va.	1927	109	47,190			44	47,865	153	95,055	422	1,007,635		37	5,630
	1928	128	62,325			35	51,610	163	113,935	427	1,189,385	250		
Cleveland, Ohio	1927	1,845	1,294,075	1	55,000	3,075	7,992,675	4,921	9,341,750	12,108	45,480,550			
	1928	1,620	1,089,550	7	184,900	3,038	7,866,925	4,665	9,141,375	10,593	56,158,525	6		
Clifton, N. J.	1927							157	84,080	1,134	3,388,565			
	1928							157	104,545	987	3,542,055	133		
Colorado Springs, Colo.	1927	275	121,562			138	105,091	413	226,653	761	577,398			
	1928	267	95,971			134	102,058	401	198,029	762	812,495	279		
Columbia, S. C.	1927	317	93,675			58	38,145	375	131,820	689	1,533,375		136	33,625
	1928							505	262,080	883	1,609,775	221	127	16,550
Columbus, Ga.	1927	238	86,774	1	14,000	77	107,700	316	208,474	733	1,539,749			
	1928	231	67,072	8	13,975	94	88,107	333	169,154	756	1,154,002	255		
Columbus, Ohio	1927	925	779,350	7	74,350	367	1,139,950	1,299	1,993,650	6,030	23,282,600			
	1928	757	553,260	1	500	320	825,700	1,078	1,379,460	5,350	16,237,250	32		
Council Bluffs, Iowa	1927	107	112,600			40	30,350	147	142,950	376	930,250			
	1928	76	78,700			24	30,100	100	108,800	283	810,250	280		

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Covington, Ky	1927	167	141,500			35	118,000	202	259,500	726	1,722,310		65	4,180
	1928	128	108,950			54	183,400	182	292,350	580	1,591,750	223		
Cranston, R. I	1927	58	70,100			2	3,800	60	73,900	884	2,669,634			
	1928							73	103,025	1,048	3,710,249	129		
Cumberland, Md	1927	52	39,151	2	1,600	17	59,820	71	100,571	320	942,465		1	1,000
	1928	59	18,292			16	56,835	75	75,127	256	999,548	266	7	2,345
Dallas, Tex	1927	1,251	752,898			936	1,065,224	2,187	1,818,122	3,533	9,773,523			
	1928	1,429	692,862			534	1,035,297	1,963	1,728,159	3,428	8,088,999	63	290	130,741
Danville, Ill	1927	14	18,980	1	200	22	102,113	37	121,293	240	1,036,791			
	1928	40	53,000			35	110,189	75	163,189	245	915,348	273		
Davenport, Iowa	1927	244	108,274			18	30,460	262	138,734	708	2,053,351			
	1928							819	289,379	1,235	1,349,741	234		
Dayton, Ohio	1927	536	320,161			325	1,328,869	861	1,649,030	3,118	10,332,026			
	1928	648	334,997			347	1,012,481	995	1,347,478	2,617	10,358,378	53		
Decatur, Ill	1927							254	253,195	1,615	5,790,415			
	1928	169	124,235	13	38,500	53	99,900	235	262,635	1,184	4,169,345	117		
Denver, Colo	1927							3,968	2,023,050	7,339	15,754,600		76	51,050
	1928							3,529	1,657,750	6,154	16,770,750	30		
Des Moines, Iowa	1927	203	166,563			61	141,853	264	308,416	1,243	2,876,131			
	1928	224	108,402			74	247,405	298	355,807	1,299	4,509,980	112		
Detroit, Mich	1927							7,014	13,401,264	28,104	145,555,647			
	1928							6,847	11,801,945	28,541	129,260,285	3		
Dubuque, Iowa	1927							586	229,145	918	1,288,207			
	1928	86	35,396			32	77,565	118	112,961	328	877,386	275		
Duluth, Minn	1927	1,429	439,580			219	743,015	1,648	1,182,595	2,453	4,431,435		421	95,028
	1928	1,358	437,299			230	568,737	1,588	1,006,036	2,175	3,289,404	143	154	88,322
Durham, N. C	1927	87	86,875			25	63,368	112	150,243	642	2,587,754			
	1928	111	100,412			32	132,538	143	232,950	632	9,905,838	54		
East Chicago, Ind	1927	148	175,480			23	165,847	171	341,327	626	4,304,366			
	1928	139	188,702			20	166,703	159	355,405	421	3,481,904	137		
East Cleveland, Ohio	1927	33	22,870			44	14,615	77	37,485	256	1,220,620		38	92,957
	1928	39	40,910			38	69,381	77	110,291	236	1,789,252	207	25	64,605
Easton, Pa	1927	98	153,324			53	158,134	151	311,458	319	1,299,670			
	1928	135	133,669	3	18,200	33	154,800	171	306,669	280	733,008	282		
East Orange, N. J	1927	297	266,495			140	436,213	437	702,708	1,134	12,313,092		205	19,627
	1928	260	227,094			164	139,279	424	366,373	928	7,632,385	67	207	24,301
East Providence, R. I	1927	150	45,000			26	13,000	176	58,000	689	2,389,700			
	1928							470	117,984	1,032	3,090,101	148		
East St. Louis, Ill	1927	107	60,323			113	181,815	220	242,138	1,200	5,562,971		163	34,963
	1928	58	30,123			113	186,485	171	216,608	1,003	2,706,934	162	91	22,874
Elgin, Ill	1927							476	297,800	1,072	1,891,883		5	25,800
	1928	419	263,091	47	82,125	20	11,355	486	356,571	1,006	2,369,646	171		
Elizabeth, N. J	1927	264	259,533	1	15,000	58	681,844	323	956,377	1,454	10,922,877			
	1928	5	5,500			2	25,000	7	30,500	910	5,503,600	94		
Elkhart, Ind	1927	151	50,233			44	7,290	195	57,523	704	2,660,566			
	1928	236	112,579			108	118,694	344	231,273	787	1,063,889	262		
Elmira, N. Y	1927	419	120,887	2	1,125	273	211,125	694	333,137	1,122	1,311,783			
	1928	338	117,308	2	1,550	181	118,738	521	237,596	926	1,905,717	196		
El Paso, Tex	1927							877	623,779	1,162	1,792,561			
	1928							492	307,411	1,014	2,144,225	178		
Erie, Pa	1927	504	332,642			200	1,229,179	704	1,561,821	1,956	5,393,056			
	1928	472	344,299	27	195,795	166	377,060	665	917,154	1,779	4,765,688	104		

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***PART 3.—REPAIRS, ALTERATIONS, AND ADDITIONS TO OLD BUILDINGS, AND GRAND TOTAL OF ALL PERMITS*—Continued**

City and State	Year	Repairs, etc., on residential buildings				Repairs, etc., on nonresidential buildings		Total repairs, etc.		Grand total of all permits — new construction and repairs, etc.		Rank in cost of construction	Installation permits	
		Housekeeping dwellings		Nonhousekeeping dwellings										
		Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost		Number	Cost
Evanston, Ill	1927	333	$549,770			63	$164,100	396	$713,870	1,470	$15,917,225			
	1928	245	538,700			91	333,350	336	872,050	1,040	13,178,225	44		
Evansville, Ind	1927	916	215,237			43	54,121	959	269,358	1,861	3,415,998			
	1928	780	192,251			89	138,473	869	330,724	1,805	5,110,814	98		
Everett, Mass	1927	202	166,288			30	26,027	232	192,315	667	2,097,830			
	1928	213	54,218			20	184,683	233	238,901	535	1,760,759	209		
Everett, Wash	1928							152	509,000	454	1,186,590	251		
Fall River, Mass	1927	219	174,209			138	135,265	357	309,474	842	1,840,768		2	$2,125
	1928	124	83,605			144	205,655	268	289,260	592	2,835,644	157		
Fitchburg, Mass	1927	83	39,460			14	21,108	97	60,568	318	637,975			
	1928	45	27,610			29	224,625	74	252,235	202	822,350	277		
Flint, Mich	1927							2,816	1,269,617	8,785	22,087,451			
	1928	1,767	583,942			684	726,635	2,451	1,310,577	6,700	14,422,729	36		
Fond du Lac, Wis	1927	154	100,185			53	225,549	207	325,734	490	1,000,179			
	1928	167	56,914			14	28,585	181	85,499	434	579,130	291		
Fort Smith, Ark	1928	790	122,011	6	$118,085	376	364,422	1,172	604,518	1,520	1,608,702	222	168	10,002
Fort Wayne, Ind	1927	329	174,105			113	268,757	442	442,862	1,844	6,002,498			
	1928	289	213,401	2	89,000	132	424,287	423	726,688	1,646	5,011,124	100		
Fort Worth, Tex	1927							1,462	4,746,523	4,812	28,483,764		2	30,000
	1928	1,843	983,310	263	255,762	459	220,778	2,565	1,459,850	4,560	11,543,787	49		
Fresno, Calif	1927	281	130,355	2	325	283	363,018	566	493,698	1,023	2,690,578		2	300
	1928	440	141,185			442	314,728	882	455,913	1,272	1,661,565	215	24	9,652
Galveston, Tex	1927	1,617	348,498	17	1,465	107	629,510	1,741	979,473	2,551	2,974,415		52	3,317
	1928	1,497	203,605	3	13,000	124	151,641	1,624	368,246	2,243	2,676,808	163	72	7,039
Gary, Ind	1927							878	3,921,447	2,857	15,016,529			
	1928							575	800,275	1,966	6,041,150	83	25	21,065
Grand Rapids, Mich	1927	3,780	966,960			240	635,890	4,020	1,602,850	8,386	12,319,420		408	101,455
	1928	2,599	655,650			261	1,095,860	2,860	1,751,510	5,401	8,186,755	62	304	43,530
Great Falls, Mont	1927	177	69,035			26	87,750	203	156,785	508	1,163,119			
	1928	156	80,260			29	53,570	185	133,830	542	2,659,482	164		
Green Bay, Wis	1927	177	89,895			20	120,992	197	210,887	716	2,508,898		121	39,597
	1928							232	160,000	683	1,991,861	190	158	62,575
Greensboro, N. C	1927	351	95,000	50	45,200	150	350,690	551	490,890	1,176	4,837,830			
	1928	406	181,658	3	26,200	136	320,293	545	528,151	1,179	5,048,295	99		

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Greenville, S. C	1927	263	272,150			75	75,137	338	347,287	538	1,111,182			
	1928	231	126,048			98	116,643	329	242,691	591	1,440,143	229	8	2,200
Greenwich, Conn	1927	83	215,162			37	137,075	120	352,237	578	5,700,062			
	1928	111	494,465			55	373,170	166	867,635	610	6,604,380	77		
Hagerstown, Md	1927	62	36,565			38	123,080	100	159,645	398	1,558,205			
	1928	70	88,293			36	126,741	106	215,034	334	677,234	286		
Hamilton, Ohio	1927	43	18,870			19	22,970	62	41,840	632	1,782,749			
	1928	195	121,034			26	21,065	221	142,099	841	2,063,033	185		
Hammond, Ind	1927							189	221,900	1,321	6,431,200			
	1928	187	268,500			27	200,800	214	469,300	1,055	6,527,280	78		
Hamtramck, Mich	1927	221	225,240			7	258,425	228	483,665	476	1,545,815			
	1928	234	165,405			15	122,640	249	288,045	518	1,344,975	236	50	5,500
Harrisburg, Pa	1927	258	385,475	9	54,950	146	774,050	413	1,214,475	1,037	3,569,365			
	1928	222	286,840	10	38,700	110	555,600	342	881,140	844	5,594,775	90		
Hartford, Conn	1927	698	364,696	2	96,600	476	2,132,592	1,176	2,593,888	2,321	17,529,941		116	172,260
	1928	650	378,662			422	1,505,595	1,072	1,884,257	1,931	11,278,443	50		
Haverhill, Mass	1927	48	48,510	4	36,450	49	172,365	101	257,325	371	909,625			
	1928	40	41,225	6	17,300	41	51,350	87	109,875	324	554,065	296		
Hazleton, Pa	1927	89	142,297			17	138,890	106	281,187	335	2,072,504			
	1928	68	98,627			23	84,395	91	183,022	207	1,195,010	248		
Highland Park, Mich	1927							216	279,435	372	2,654,960		799	3,363
	1928							195	928,110	382	2,603,277	165	725	1,463
Hoboken, N. J	1927	158	176,839	3	1,000	73	220,610	234	398,449	271	1,519,599			
	1928	156	90,610			41	153,563	197	244,173	239	564,963	294		
Holyoke, Mass	1927	111	187,100	1	75,000	80	268,850	192	530,950	432	2,044,200			
	1928	87	81,625			54	265,775	141	347,400	350	1,261,100	244		
Houston, Tex	1927	908	447,418			1,029	307,258	1,937	754,676	5,880	27,326,475			
	1928	1,081	456,756			733	253,807	1,814	710,563	6,072	35,309,503	15		
Huntington, W. Va	1927	109	50,314	1	300	22	80,900	132	131,514	509	1,547,150			
	1928	32	12,000			10	40,000	42	52,000	270	981,600	268		
Hutchinson, Kans	1928	178	72,710			36	129,012	214	201,722	651	1,269,112	242		
Indianapolis, Ind	1927							6,874	3,853,588	13,572	23,682,316		650	386,714
	1928							5,531	2,612,813	10,217	21,967,386	22	719	1,120,836
Irvington, N. J	1927	129	102,375			41	179,997	170	282,372	1,585	12,960,227			
	1928	109	60,746			30	22,295	139	83,041	903	6,639,294	76		
Jackson, Mich	1927	427	137,890			100	111,806	527	249,696	1,201	2,575,644			
	1928	416	145,294			107	401,102	523	546,396	1,230	2,097,086	182		
Jacksonville, Fla	1927	1,310	676,865			665	643,966	1,975	1,320,831	5,002	12,768,386		560	282,688
	1928	1,016	417,228			501	424,341	1,517	841,569	3,431	7,660,159	66	745	193,561
Jamestown, N. Y	1927	325	125,965			175	291,795	500	417,760	1,039	2,745,835			
	1928	328	117,207			171	174,673	499	291,880	917	1,846,870	200		
Jersey City, N. J	1927	80	328,360			702	1,011,795	782	1,340,155	1,554	13,851,780		29	95,200
	1928	163	344,815			530	588,235	693	933,050	1,375	13,876,244	40	76	200,050
Johnstown, Pa	1927	260	123,285			62	174,520	322	297,805	672	1,386,183		4	2,300
	1928	247	94,833			56	38,920	303	133,753	556	1,095,094	259	5	1,025
Joliet, Ill	1927	220	216,450	1	1,000	120	143,700	341	361,150	579	2,793,700		3	77
	1928	322	246,875	38	35,167	31	25,750	391	307,792	607	3,081,620	149		
Joplin, Mo	1927							143	218,158	403	1,355,533			
	1928	192	108,396			47	63,950	239	172,346	469	1,403,739	231		
Kalamazoo, Mich	1927	921	173,200			47	210,688	968	383,888	1,494	2,223,046			
	1928	1,015	204,584			51	270,802	1,066	475,386	1,513	2,034,864	186		
Kansas City, Kans	1927							498	125,475	1,163	1,586,790			
	1928							397	88,825	1,043	1,651,277	217		

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TABLE A.—*Number and estimated cost of buildings (new construction, and repairs, alterations, and additions to old buildings) covered by permits issued in 1927 and 1928, by intended use of buildings*—Continued

***PART 3.—REPAIRS, ALTERATIONS, AND ADDITIONS TO OLD BUILDINGS, AND GRAND TOTAL OF ALL PERMITS*—Continued**

City and State	Year	Repairs, etc., on residential buildings				Repairs, etc., on nonresidential buildings		Total repairs, etc.		Grand total of all permits — new construction and repairs, etc.		Rank in cost of construction	Installation permits	
		Housekeeping dwellings		Nonhousekeeping dwellings										
		Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost		Number	Cost
Kansas City, Mo	1927	524	$422,700			300	$1,256,940	824	$1,679,640	2,919	$14,822,336		1,098	$310,204
	1928	339	342,165	58	$53,600	255	406,235	652	802,000	2,345	15,541,275	34	576	351,975
Kearny, N. J	1927	102	36,360			24	18,720	126	55,080	788	5,795,875		3	568
	1928	81	45,480	2	150	23	90,800	106	136,430	679	6,251,590	81	24	4,200
Kenosha, Wis	1927							268	296,961	963	4,468,453		513	196,392
	1928	250	350,000	7	745	10	84,000	267	434,745	894	3,726,404	128	337	272,220
Kingston, N. Y	1927	341	98,298			63	326,275	404	424,573	816	2,140,093			
	1928	312	142,959	3	38,390	45	535,435	360	716,784	713	1,736,790	211		
Knoxville, Tenn	1927	873	329,987			335	175,315	1,208	505,302	2,470	5,699,417		66	9,175
	1928							852	329,796	2,138	7,114,537	74		
Kokomo, Ind	1927	103	40,936			19	35,480	122	76,416	410	480,095			
	1928							71	67,653	420	526,666	298		
Lakewood, Ohio	1927	170	108,184			15	19,650	185	127,834	870	3,516,399		12	1,672
	1928	120	99,800			21	10,250	141	110,050	625	4,622,096	109	280	21,766
Lancaster, Pa	1927	280	139,878	59	273,810	84	209,640	423	623,328	856	3,004,838			
	1928	228	115,640			107	744,540	335	860,180	647	2,389,075	170		
Lansing, Mich	1927	297	244,240			75	7,500	372	251,740	1,301	7,330,420			
	1928	301	156,755			97	127,930	398	284,685	1,340	5,204,347	96		
Lawrence, Mass	1927							95	174,189	261	913,134			
	1928	27	64,860			55	110,275	82	175,135	222	602,635	290		
Lebanon, Pa	1927	58	93,000			1	80,000	59	173,000	311	604,500			
	1928	31	47,575			15	209,750	46	257,325	131	660,325	287		
Lewiston, Me	1927							6	15,000	70	469,100			
	1928	10	3,500			1	1,500	11	5,000	66	990,000	267		
Lexington, Ky	1927	269	75,991			66	163,176	335	239,167	748	2,350,985		8	2,650
	1928	177	37,686			86	131,613	263	169,299	556	1,617,418	219	9	2,660
Lima, Ohio	1927	180	56,855	1	400	67	167,723	248	224,978	471	707,313			
	1928	189	57,297	2	1,585	59	100,335	250	159,217	432	454,434	302	4	5,000
Lincoln, Nebr	1927	161	91,460			36	90,942	197	182,402	1,068	4,398,540			
	1928	174	93,195			23	99,300	197	192,495	1,070	3,643,349	131		
Little Rock, Ark	1927	1,113	331,523			195	183,468	1,308	514,991	2,008	2,993,636			
	1928	733	266,241			139	189,344	872	455,585	1,528	4,260,108	116		

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Long Beach, Calif.	1927	719	335,360			664	404,960	1,383	740,320	4,197	13,639,425		609	66,720
	1928	741	335,135			568	365,105	1,309	700,240	4,988	16,307,825	31	573	84,010
Lorain, Ohio	1927	97	60,905			34	36,180	131	97,085	599	1,300,534			
	1928	77	42,580			36	55,080	113	97,660	606	1,177,374	252		
Los Angeles, Calif.	1927							13,922	16,278,916	37,655	123,027,139			
	1928							12,749	10,398,822	33,195	101,678,768	5		
Louisville, Ky.	1927	385	739,755			535	959,215	920	1,698,970	3,278	23,340,610		9,813	2,997,530
	1928							932	2,657,955	3,215	18,120,075	27	10,813	3,120,275
Lowell, Mass.	1927	269	110,535			195	241,620	464	352,155	787	971,115			
	1928	255	97,465			141	213,480	396	310,945	633	941,750	270		
Lynchburg, Va.	1927	240	103,947			86	135,588	326	239,535	598	1,528,729		9	775
	1928	220	71,180			93	105,659	313	176,839	583	1,093,083	260	8	1,250
Lynn, Mass.	1927	408	431,065			222	390,571	630	821,636	1,265	3,877,775			
	1928	416	353,005			169	592,530	585	945,535	1,279	3,786,804	126		
McKeesport, Pa.	1927	1,236	322,140	3	11,270	216	174,429	1,455	507,839	1,905	2,356,119		87	12,682
	1928	879	253,000	1	5,000	69	81,909	949	339,909	1,325	2,184,985	175	544	178,683
Macon, Ga.	1927							1,508	341,304	1,943	2,886,116		40	9,755
	1928							1,338	352,449	1,817	2,349,689	172	101	22,159
Madison, Wis.	1927	541	252,870			79	131,408	620	384,278	1,507	4,461,813			
	1928	450	261,048			83	508,299	533	769,347	1,475	7,630,114	68		
Malden, Mass.	1927	238	180,807			57	425,700	295	606,507	866	3,800,093			
	1928	167	97,139			62	99,958	229	197,097	630	2,892,944	153		
Manchester, N. H.	1927	554	204,450	2	4,500	179	135,716	735	344,666	1,189	1,940,074			
	1928							598	231,359	970	1,058,719	263		
Mansfield, Ohio	1927	175	75,498			56	147,117	231	222,615	682	1,779,555			
	1928	118	43,477			58	97,342	176	140,819	544	1,808,874	206		
Marion, Ind.	1927							134	33,420	293	521,560			
	1928	78	55,000	2	1,500	8	7,000	88	63,500	360	1,307,160	238		
Marion, Ohio	1927	89	19,043			43	22,185	132	41,178	580	557,793			
	1928							64	33,940	701	1,140,285	256		
Medford, Mass.	1927	220	158,216			29	176,045	249	334,261	1,109	4,370,512			
	1928	193	112,071			44	78,125	237	190,196	1,131	4,514,833	111		
Memphis, Tenn.	1927							1,797	1,544,270	4,017	12,402,920		837	1,170,070
	1928							1,872	2,059,625	4,005	14,283,039	37	936	1,020,043
Meriden, Conn.	1927							253	143,464	628	1,316,177			
	1928							697	259,795	975	1,268,721	243		
Miami, Fla.	1927	1,183	571,108	23	24,698	734	686,123	1,940	1,281,929	3,545	9,540,937		638	380,515
	1928	460	314,806	14	4,495	441	364,274	915	683,575	1,568	1,946,063	193	524	69,276
Milwaukee, Wis.	1927							2,144	3,735,545	8,609	37,747,895		25,811	8,981,016
	1928							2,195	3,641,787	7,258	35,406,381	14	24,105	9,082,880
Minneapolis, Minn.	1927							2,281	2,940,560	6,791	22,429,620			
	1928							2,360	3,200,165	6,580	23,257,725	21		
Mobile, Ala.	1927	416	142,813			20	60,800	436	203,613	872	2,146,241			
	1928							491	187,508	1,647	3,345,818	142		
Moline, Ill.	1927	453	140,247			107	48,750	560	188,997	870	1,170,010		11	38,554
	1928	563	117,337	7	6,025	87	77,973	657	201,335	954	1,659,775	216		
Montclair, N. J.	1927							271	731,533	920	5,446,164			
	1928							268	524,233	804	4,643,268	107		
Montgomery, Ala.	1927							974	754,247	1,444	2,531,347			
	1928							1,744	307,820	2,916	3,288,918	144		
Mount Vernon, N. Y.	1927	152	514,760			110	644,210	262	1,158,970	962	16,775,452			
	1928	138	251,389			124	360,175	262	611,564	946	14,262,449	38		

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PART 3.—REPAIRS, ALTERATIONS, AND ADDITIONS TO OLD BUILDINGS, AND GRAND TOTAL OF ALL PERMITS—Continued

City and State	Year	Repairs, etc., on residential buildings				Repairs, etc., on nonresidential buildings		Total repairs, etc.		Grand total of all permits—new construction and repairs, etc.		Rank in cost of construction	Installation permits	
		Housekeeping dwellings		Nonhousekeeping dwellings										
		Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost		Number	Cost
Muncie, Ind	1927							1,233	$341,982	2,111	$3,038,813		158	$12,478
	1928	1,259	$348,025			61	$104,104	1,320	452,129	2,321	2,874,148	154	79	8,993
Muskegon, Mich	1927							647	199,731	1,032	1,078,668			
	1928							595	277,328	990	1,810.335	205		
Muskogee, Okla	1927	54	31,895			14	11,425	68	43,320	262	842,567			
	1928	30	31,255			15	4,000	45	35,255	259	565,585	293		
Nashville, Tenn	1927							1,245	617,663	2,097	7,078,073		226	38,259
	1928							1,280	670,694	2,227	5,564,643	92	235	167,770
Newark, N. J	1927	868	1,625,318	2	$7,200	451	2,773,960	1,321	4,406,478	3,998	51,451,630		1,515	1,181,568
	1928	769	1,290,247			424	3,603,141	1,193	4,893,388	2,972	34,285,153	17	1,210	1,998,551
Newark, Ohio	1927							64	31,491	287	653,822			
	1928							64	28,600	352	1,066,916	261		
New Bedford, Mass	1927	634	320,550			103	218,260	737	538,810	1,422	2,166,627			
	1928	271	154,870			136	131,752	407	286,622	681	1,095,375	258		
New Britain, Conn	1927	581	513,838			224	147,281	805	661,119	1,437	4,103,884			
	1928							642	642,509	1,227	3,532,117	134		
New Brunswick, N. J	1927	106	198,300			38	483,616	144	681,916	451	2,839,066		1	5,500
	1928	74	165,833	27	131,810	27	128,752	128	426,395	386	2,184,065	176		
Newburgh, N. Y	1927	109	66,265			45	242,356	154	308,621	364	1,517,651			
	1928	81	53,650			58	195,042	139	248,692	345	1,237,967	246		
New Castle, Pa	1927	152	69,390			48	240,320	200	309,710	794	3,037,495		9	1,330
	1928	118	57,910			51	49,590	169	107,500	593	1,466,240	228		
New Haven, Conn	1927	219	227,314			513	743,563	732	970,877	1,514	11,741,379		359	37,154
	1928	333	336,000			337	683,000	670	1,019,000	1,330	8,798,394	58	369	84,650
New London, Conn	1927	115	75,375	1	5,000	87	299,215	203	379,590	551	1,801,715		3	4,400
	1928	150	134,982			50	134,205	200	269,187	565	2,188,652	174	39	1,170
New Orleans, La	1927	380	772,300			435	1,289,880	815	2,062,180	2,433	15,896,775			
	1928	744	1,191,215			532	1,578,279	1,276	2,769,494	2,882	12,627,678	47		
Newport, Ky	1927							44	38,980	162	439,225			
	1928	72	36,565	2	7,250	25	123,325	99	167,140	194	426,950	305		
Newport, R. I	1927							142	112,390	346	906,330			
	1928	102	55,485			66	60,060	168	115,545	384	680,065	285		
Newport News, Va	1927							798	100,077	972	548,015			
	1928	771	101,687			417	117,507	1,188	219,194	1,439	819,305	278		

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New Rochelle, N. Y	1927							279	691,095	905	9,735,614			
	1928							250	847,046	845	11,233,318	51		
Newton, Mass	1927	354	489,945			113	407,545	467	897,490	1,628	10,138,606		4	1,850
	1928	327	454,847			118	252,826	445	707,673	1,676	10,802,078	52	10	5,565
New York City, N. Y:														
The Bronx	1927	627	1,491,805			6,127	7,925,775	6,754	9,417,580	11,864	172,588,081		1,488	550,250
	1928	466	1,310,380			6,060	5,608,924	6,526	6,919,304	10,959	189,824,853		3,053	1,091,960
Brooklyn	1927	4,830	5,523,040	67	188,400	1,723	7,145,585	6,620	12,857,025	22,431	220,968,960		3,383	1,747,703
	1928	4,879	5,958,775	55	2,165,350	1,672	7,397,930	6,606	15,522.055	18,358	198,284,905			
Manhattan	1927	1,365	7,172,791	273	3,955,425	1,480	20,091,832	3,118	31,220,048	3,832	290,320,563			
	1928	1,478	7,704,466	187	10,778,760	1,212	19,326,422	2,877	37,809,648	3,787	361,723,068	1		
Queens	1927	2,982	1,799,414			919	4,098,038	3,901	5,897,452	26,579	184,438,461		1,027	830,733
	1928	2,525	1,384,191			964	4,383,438	3,489	5,767,629	22,101	151,565,804			
Richmond	1927	555	503,000			363	554,718	918	1,057,718	3,671	12,017,390		28	9,150
	1928	508	391,965			409	298,323	917	690,288	3,766	15,273,225			
Niagara Falls, N. Y	1927	328	223,612			168	726,879	496	950,491	1,343	4,791,480			
	1928	412	228,079	21	88,595	214	282,651	647	599,325	1,577	4,869,478	101		
Norfolk, Va	1927	369	263,475			211	317,237	580	580,712	1,464	3,346,826		370	64,989
	1928	345	175,430			185	316,410	530	491,840	1,383	3,839,743	124	397	48,767
Norristown, Pa	1927	221	123,386	4	21,350	128	454,253	353	598,989	577	1,826,101		115	66,481
	1928	191	116,405			113	197,535	304	313,940	551	1,294,965	239	60	27,101
Norwalk, Conn	1927	295	237,949			95	153,270	390	391,219	914	3,592,009			
	1928	280	265,865			114	289,875	394	555,740	980	4,781,703	103		
Oakland, Calif	1927							3,071	2,239,179	7,027	20,518,417		746	276,252
	1928							2,177	1,713,163	5,092	19,537,165	24		
Oak Park, Ill	1927	173	144,865	1	4,000	28	119,980	202	268,845	1,020	9,080,676			
	1928	135	123,382			18	92,862	153	216,244	836	9,290,495	55		
Ogden, Utah	1927	75	216,750			7	233,000	82	449,750	316	1,498,260			
	1928	33	29,500	1	1,200	23	115,200	57	145,900	239	1,348,225	235	22	249
Oklahoma City, Okla	1927	371	250,634			91	397,396	462	648,030	3,168	12,682,293		43	11,777
	1928	381	218,052	2	6,000	151	1,030,316	534	1,254,368	3,965	13,521,998	41	177	45,435
Okmulgee, Okla	1927	20	18,475			13	14,350	33	32,825	85	262,150			
	1928	10	8,950			16	16,400	26	25,350	57	252,965	310		
Omaha, Nebr	1927	105	73,493			104	677,480	209	750,973	1,035	4,567,218			
	1928	157	119,102			121	509,235	278	628,337	1,169	9,050,410	56		
Orange, N. J	1927							402	763,197	691	5,581,523		21	4,360
	1928							333	398,409	542	3,106,499	146	24	47,705
Oshkosh, Wis	1927	95	43,536			17	19,196	112	62,732	494	1,494,076			
	1928	241	103,336			141	62,586	382	165,922	733	852,846	276		
Ottumwa, Iowa	1927	70	24,900			7	34,500	77	59,400	179	579,900			
	1928	83	48,375			7	16,950	90	65,325	190	393.775	306	121	27,045
Paducah, Ky	1927	40	16,000			10	8,000	50	24,000	219	356,000			
	1928	74	43,525			14	37,490	88	81,015	228	608,605	289		
Pasadena, Calif	1927							1,661	1,199,713	2,778	8.965,720			
	1928							1,420	893,300	2,452	5,949,553	86		
Passaic, N. J	1927	318	214,769	24	41,857	246	1,235,878	588	1,492,504	987	5,603,448		477	31,245
	1928	347	204,425			265	284,036	612	488,461	975	3,061,518	150	625	103,585
Paterson, N. J	1927							1,524	1,000,474	2,458	6.369,917		39	28,330
	1928							1,474	1,142,027	2,258	7,356,691	72	24	23,625
Pawtucket, R. I	1927	155	94,435	2	3,600	98	351,790	255	449,825	1,140	3,586,765			
	1928	129	96,375			61	296,055	190	392.430	991	2,822,589	159		
Peoria, Ill	1927	485	243,540			98	229,925	583	473,465	1,492	3,409,575			
	1928	420	271,115			104	268,850	524	539,965	1,418	3,951,260	119		

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City and State	Year	Repairs, etc., on residential buildings				Repairs, etc., on nonresidential buildings		Total repairs, etc.		Grand total of all permits — new construction and repairs, etc.		Rank in cost of construction	Installation permits	
		Housekeeping dwellings		Nonhousekeeping dwellings										
		Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost		Number	Cost
Perth Amboy, N. J.	1927	239	$343,811			2	$3,500	241	$347,311	502	$1,671,872			
	1928	190	439,237			6	18,100	196	457,337	394	1,367,359	233		
Petersburg, Va.	1927	50	60,000			18	55,089	68	115,089	157	279,466			
	1928	50	35,336			27	116,525	77	151,861	194	568,628	292		
Philadelphia, Pa.	1927	5,788	4,693,745			1,975	9,809,680	7,763	14,503,425	19,082	117,590,650		305	$135,115
	1928	4,940	4,904,210			1,691	7,298,500	6,631	12,202,710	16,423	112,225,865	4	224	78,935
Phoenix, Ariz.	1927							485	299,923	1,178	5,645,124		46	6,991
	1928	288	114,903			139	257,598	427	372,501	1,259	5,976,662	85	55	8,963
Pittsburgh, Pa.	1927	2,591	1,832,961	18	$3,051,400	903	2,970,234	3,512	7,854,595	7,869	37,111,332			
	1928	2,681	1,997,640	79	365,470	559	1,787,093	3,319	4,150,203	7,070	39,373,532	10		
Pittsfield, Mass.	1927	138	83,610			26	459,300	164	542,910	470	1,650,690		40	12,350
	1928	124	83,315			64	71,900	188	155,215	552	1,813,130	203	31	3,800
Plainfield, N. J.	1927	128	199,585	1	50,000	110	338,588	239	588,173	898	5,046,011		152	28,434
	1928	182	186,863	1	1,000	112	218,760	295	406,623	966	3,464,771	138	152	22,108
Pontiac, Mich.	1927	447	195,979			97	128,022	544	324,001	2,114	17,558,296			
	1928	521	226,345			77	251,635	598	477,980	2,851	13,115,226	45	59	10,342
Port Arthur, Tex.	1927							608	206,736	1,351	1,731,380		28	4,059
	1928							766	234,916	1,207	1,881,236	197	49	3,638
Port Huron, Mich.	1927	25	13,275			24	337,575	49	350,850	206	839,065			
	1928	15	10,250			8	21,475	23	31,725	140	461,175	301		
Portland, Me.	1927	558	259,996	92	73,297	242	278,478	892	611,771	1,368	2,326,783			
	1928	488	159,320	44	30,140	283	330,634	815	520,094	1,351	2,738,886	160		
Portland, Oreg.	1927	4,153	1,392,610			1,034	1,576,040	5,187	2,968,650	11,294	28,973,455			
	1928	3,891	1,271,905			1,044	1,596,625	4,935	2,868,530	9,567	21,275,970	23		
Portsmouth, Ohio	1927	151	50,592	1	12,000	52	84,480	204	147,072	564	1,585,007			
	1928	130	49,470			35	52,415	165	101,885	447	1,247,085	245		
Portsmouth, Va.	1927	192	118,762			25	33,816	217	152,578	403	463,385		26	8,720
	1928	232	133,941			56	19,645	288	153,586	472	688,531	283	34	11,500
Poughkeepsie, N. Y.	1927	111	159,110			23	77,530	134	236,640	302	1,147,667			
	1928	52	48,261			26	156,440	78	204,701	276	1,664,820	214		
Providence, R. I.	1927	3,149	1,181,830			387	2,681,085	3,536	3,862,915	5,442	23,132,819		1,800	186,095
	1928	2,524	1,163,700			573	1,667,325	3,097	2,831,025	4,979	16,003,519	33		

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Pueblo, Colo	1927							613	284,145	1,445	1,625,382			
	1928							730	295,829	1,458	1,466,812	227		
Quincy, Ill	1927	47	23,793	1	2,100	11	44,550	59	70,443	435	1,073,321		3	2,865
	1928	68	117,686	1	53,535	2	9,000	71	180,221	369	1,276,957	240		
Quincy, Mass	1927							828	426,910	2,201	5,231,872		2	1,535
	1928	874	281,934			62	82,506	936	364,440	2,335	6,870,012	75	11	49,285
Racine, Wis	1927	185	162,518			96	294,750	281	457,268	1,373	6,391,171			
	1928	155	156,206	1	2,500	46	124,645	202	283,351	1,078	4,417,489	113	677	75,300
Reading, Pa	1927	1,315	503,047	4	53,500	319	381,395	1,638	937,942	2,367	4,614,067		26	12,775
	1928	1,185	319,804	2	4,600	321	674,550	1,508	998,954	2,179	3,808,320	125	43	17,989
Revere, Mass	1927							227	218,425	507	1,602,120			
	1928							152	108,245	454	1,227,142	247		
Richmond, Ind	1927	192	117,855	1	5,000	49	80,520	242	203,375	632	1,826,139			
	1928	212	122,440			68	115,266	280	237,706	575	940,723	271		
Richmond, Va	1927	867	383,591	19	54,610	584	1,379,831	1,470	1,818,032	3,891	15,216,203			
	1928	553	294,415	7	5,374	396	965,806	956	1,265,595	2,317	8,844,881	57		
Roanoke, Va	1927							399	181,423	1,156	2,583,996		6	4,600
	1928	289	110,092			26	61,000	315	171,092	880	3,279,423	145	2	1,025
Rochester, N. Y	1927	914	831,502	1	31,000	845	1,391,984	1,760	2,254,486	5,665	22,589,418			
	1928	737	531,950			923	1,404,936	1,660	1,936,886	4,542	17,620,798	28		
Rockford, Ill	1927	299	211,556			264	432,250	563	643,806	2,116	6,553,423		58	3,265
	1928	391	296,322			262	1,158,595	653	1,454,917	1,875	5,736,642	89		
Rock Island, Ill	1927							545	399,535	932	1,999,890		12	2,175
	1928	833	1,006,484	19	61,000	28	12,245	880	1,079,729	1,183	1,583,244	224		
Sacramento, Calif	1927	645	299,329			331	652,090	976	951,419	2,267	8,814,211		202	46,581
	1928	227	622,398			537	227,510	764	849,908	1,859	5,524,332	93	227	73,800
Saginaw, Mich	1927	361	174,000			138	138,231	499	312,231	1,426	3,610,783		8	1,580
	1928	420	195,446			104	282,467	524	477,913	1,658	4,349,585	114		
St. Joseph, Mo	1927							341	144,772	659	768,898			
	1928	46	83,985			24	41,990	70	125,975	284	2,004,618	188		
St. Louis, Mo	1927	3,350	2,919,299	12	24,130	2,200	3,383,647	5,562	6,327,076	13,035	41,417,221		690	207,461
	1928	2,882	1,407,943	37	146,220	1,830	3,059,003	4,749	4,613,166	12,627	42,828,495	9		
St. Paul, Minn	1927	1,749	921,856	142	152,891	239	475,902	2,130	1,550,649	4,772	10,071,216		254	57,372
	1928	1,598	825,340			884	847,615	2,482	1,672,955	4,999	8,699,513	59	67	38,151
St. Petersburg, Fla	1927	502	227,500			154	328,000	656	555,500	1,650	2,907,500			
	1928	342	194,400			111	111,700	453	306,100	954	1,846,100	201		
Salem, Mass	1927	310	150,205			180	210,650	490	360,855	774	2,727,080			
	1928	477	251,650			123	144,910	600	396,560	830	1,719,685	213		
Salt Lake City, Utah	1927	178	131,818			114	459,002	292	590,820	1,000	4,855,845			
	1928	183	131,485			144	1,215,293	327	1,346,778	1,024	5,277,404	95		
San Antonio, Tex	1927							1,018	841,131	3,461	12,190,280			
	1928							1,423	1,567,609	4,284	18,300,359	26		
San Diego, Calif	1927							3,060	1,206,989	6,652	13,877,153		742	374,813
	1928							2,250	839,198	5,150	12,150,138	48	797	222,462
San Francisco, Calif	1927	1,802	1,850,000			1,200	2,850,000	3,002	4,700,000	6,932	46,448,676		2,248	584,172
	1928	2,720	1,458,776	24	103,153	847	2,120,229	3,591	3,682,158	6,648	37,504,438	11	1,408	261,925
San Jose, Calif	1927	252	155,445			166	278,835	418	434,280	1,065	3,554,430		166	40,500
	1928	260	108,925			135	199,365	395	308,290	948	2,541,300	166	119	20,450
Savannah, Ga	1927							157	158,920	611	2,180,050		10	1,750
	1928							117	127,065	525	2,137,134	179	11	1,540
Schenectady, N. Y	1927	269	397,950			173	220,925	442	618,875	1,192	4,318,270			
	1928	266	208,085	5	20,000	138	238,325	409	466,410	1,175	3,428,480	140		

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TABLE A.—*Number and estimated cost of buildings (new construction, and repairs, alterations, and additions to old buildings) covered by permits issued in 1927 and 1928, by intended use of buildings*—Continued

***PART 3.—REPAIRS, ALTERATIONS, AND ADDITIONS TO OLD BUILDINGS, AND GRAND TOTAL OF ALL PERMITS*—Continued**

City and State	Year	Repairs, etc., on residential buildings				Repairs, etc., on nonresidential buildings		Total repairs, etc.		Grand total of all permits — new construction and repairs, etc.		Rank in cost of construction	Installation permits	
		Housekeeping dwellings		Nonhousekeeping dwellings										
		Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost		Number	Cost
Scranton, Pa.	1927							416	$677,050	1,141	$5,707,115			
	1928							633	1,034,250	1,189	4,632,243	108		
Seattle, Wash.	1927							4,231	3,332,840	9,906	29,070,080			
	1928							4,538	4,266,960	9,512	34,806,975	16		
Sheboygan, Wis.	1927	525	$234,280			184	$234,038	709	468,318	1,261	2,171,940		474	$185,555
	1928	521	181,544	1	$500	163	330,510	685	512,554	1,166	2,108,719	181	492	204,730
Shreveport, La.	1927	1,457	329,511			275	396,361	1,732	725,872	2,426	3,946,370		75	31,210
	1928	1,447	378,890	8	6,335	537	421,859	1,992	807,084	2,921	4,846,425	102	160	34,555
Sioux City, Iowa	1927	102	65,275			51	119,900	153	185,175	741	1,867,575			
	1928	105	48,955			58	155,425	163	204,380	799	2,170,440	177		
Sioux Falls, S. Dak.	1927	29	116,000			4	20,000	33	136,000	228	2,042,505			
	1928	20	20,810			20	140,375	40	161,185	299	2,004,725	187	1	4,400
Somerville, Mass.	1927							430	420,427	822	3,385,850			
	1928	184	52,867			49	167,385	233	220,252	407	1,424,197	230		
South Bend, Ind.	1927	300	92,772			46	132,510	346	225,282	2,406	4,888,660			
	1928	550	200,695			57	130,075	607	330,770	2,524	6,363,185	79		
Spokane, Wash.	1927	503	174,653	1	250	186	390,315	690	565,218	2,142	3,656,500			
	1928	601	257,450	2	1,000	220	599,265	823	857,715	2,187	5,736,778	88		
Springfield, Ill.	1927	348	170,420			73	209,800	421	380,220	1,134	3,770,303		25	78,450
	1928	378	183,658			96	236,370	474	420,028	1,195	3,739,153	127	26	44,195
Springfield, Mass.	1927							395	1,707,055	1,954	8,905,819			
	1928	157	120,802	23	133,760	161	765,913	341	1,020,475	1,539	5,976,799	84		
Springfield, Mo.	1928	131	90,595	1	4,000	61	155,025	193	249,620	628	1,615,655	220		
Springfield, Ohio	1927	266	85,107			75	75,000	341	160,107	945	1,693,927		166	56,796
	1928							272	149,203	1,017	1,556,767	225		
Stamford, Conn.	1927	161	301,600			105	316,045	266	617,645	883	6,042,716		85	37,016
	1928	165	200,615			99	985,053	264	1,185,668	834	5,195,278	97	124	109,710
Steubenville, Ohio	1927	92	47,725			13	7,000	105	54,725	349	1,856,435			
	1928	85	28,265			12	13,550	97	41,815	423	1,193,410	249		
Stockton, Calif.	1927	179	86,540	5	13,200	140	175,194	324	274,934	1,166	2,803,347		106	20,846
	1928	171	94,003	4	5,050	123	264,671	298	363,724	926	1,774,866	208	113	23,972
Superior, Wis.	1927	173	67,708	16	6,925	18	94,850	207	169,483	490	1,277,019		92	35,773
	1928	232	98,657			48	87,790	280	186,447	614	1,852,152	199		

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Syracuse, N. Y.	1927	699	569,775	20	128,823	358	1,373,471	1,077	2,072,069	3,961	21,990,371		2	950
	1928	465	439,140	3	83,000	261	836,686	729	1,358,826	3,103	13,220,429	43		
Tacoma, Wash.	1927							1,228	575,815	2,453	4,764,728			
	1928							1,198	633,945	2,341	4,660,415	106		
Tampa, Fla.	1927	2,112	458,610			799	362,406	2,911	821,016	4,755	6,145,201		132	16,152
	1928	1,698	316,302			649	258,722	2,347	575,024	3,637	3,617,054	132	133	24,055
Taunton, Mass.	1927	126	51,273	1	35,000	95	181,528	222	267,801	487	1,055,999			
	1928	150	48,732	2	912	105	64,606	257	114,250	484	882,497	274		
Terre Haute, Ind.	1927							921	308,899	1,586	1,212,771		102	65,527
	1928	1,032	338,134			156	30,158	1,188	368,292	1,696	973,487	269	22	6,790
Toledo, Ohio	1927	1,321	905,613			293	1,398,882	1,614	2,304,495	6,192	15,513,710			
	1928							1,477	2,882,899	5,334	17,346,195	29		
Topeka, Kans.	1927	243	88,827			99	216,829	342	305,656	1,231	2,222,196			
	1928							294	158,564	1,117	1,991,514	191		
Trenton, N. J.	1927	394	392,992			106	403,911	500	796,903	1,353	4,539,632			
	1928	311	127,730			141	663,324	452	791,054	1,062	4,105,921	118	2	8,200
Troy, N. Y.	1927	399	188,840			244	309,198	643	498,038	935	3,206,057			
	1928	293	139,267	101	63,578	88	59,219	482	262,064	774	1,323,664	237		
Tucson, Ariz.	1927	75	100,482	5	4,934	45	166,259	125	271,675	838	2,322,550			
	1928	220	117,798			55	51,198	275	168,996	828	2,895,391	152	35	13,819
Tulsa, Okla.	1927	564	314,891			225	159,742	789	474,633	3,466	14,791,854		5	47,000
	1928	569	322,584			165	391,260	734	713,844	3,829	13,411,051	42		
Union City, N. J.	1927	702	1,551,686	6	29,100	50	112,740	758	1,693,526	1,075	3,409,526		126	18,234
	1928	515	229,856			41	141,815	556	371,671	674	1,120,756	257	128	17,501
Utica, N. Y.	1927	49	80,910			63	400,200	112	481,110	672	3,381,105			
	1928	135	141,470	8	20,315	58	279,720	201	441,505	680	3,916,970	120		
Vallejo, Calif.	1927	249	45,352			90	23,867	339	69,219	630	492,898			
	1928	206	43,778			89	25,581	295	69,359	448	441,847	304		
Waco, Tex.	1927	93	86,950			53	165,235	146	252,185	373	1,573,641			
	1928	115	94,452			52	199,867	167	294,319	410	2,291,339	173		
Waltham, Mass.	1927	109	88,655			35	82,475	144	171,130	524	2,217,925			
	1928							178	191,085	679	2,477,055	167		
Warren, Ohio	1927							148	92,185	997	1,425,474			
	1928	147	50,485			99	93,195	246	143,680	686	1,811,620	204	156	22,150
Washington, D. C.	1927							2,982	4,527,646	6,954	39,263,477		1,019	847,760
	1928							3,617	3,690,553	6,916	53,974,979	8		
Waterbury, Conn.	1927							221	228,350	1,287	5,015,638			
	1928	189	185,550			48	358,300	237	543,850	907	3,488,300	136		
Waterloo, Iowa	1927	154	51,625			88	168,705	242	220,330	770	1,151,981			
	1928	155	72,340	9	7,450	35	181,820	199	261,610	898	2,722,194	161		
Watertown, Mass.	1927							49	50,100	754	4,281,230			
	1928							113	94,670	625	2,824,095	158		
Watertown, N. Y.	1927							499	405,734	758	756,204			
	1928	525	110,569			10	110,850	535	221,419	793	1,152,449	254		
West New York, N. J.	1927	62	75,685			32	115,558	94	191,243	222	1,685,293		4	625
	1928	121	147,615	15	6,575	41	201,320	177	355,510	253	1,628,385	218	121	23,163
Wheeling, W. Va.	1927	485	339,334	6	13,800	156	171,646	647	524,780	1,081	3,014,131		8	6,200
	1928	412	275,843			157	359,839	569	635,682	843	1,967,488	192	4	47,300
White Plains, N. Y.	1927	83	193,350			60	471,126	143	664,476	752	10,125,792			
	1928	91	226,162			80	312,980	171	539,142	783	12,632,206	46		
Wichita, Kans.	1927	669	243,644			224	247,777	893	491,421	2,322	5,848,942		386	300,000
	1928	632	290,007			235	360,236	867	650,243	2,390	7,974,221	65		

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TABLE A.—*Number and estimated cost of buildings (new construction, and repairs, alterations, and addition to old buildings) covered by permits issued in 1927 and 1928, by intended use of buildings*—Continued

***PART 3.—REPAIRS, ALTERATIONS, AND ADDITIONS TO OLD BUILDINGS, AND GRAND TOTAL OF ALL PERMITS*—Continued**

City and State	Year	Repairs, etc., on residential buildings				Repairs, etc., on nonresidential buildings		Total repairs, etc.		Grand total of all permits — new construction and repairs, etc.		Rank in cost of construction	Installation permits	
		Housekeeping dwellings		Nonhousekeeping dwellings										
		Number	Cost	Number	Cost	Number	Cost	Number	Cost	Number	Cost		Number	Cost
Wichita Falls, Tex	1927	203	$117,529			67	$119,527	270	$237,056	975	$4,050,687			
	1928	264	221,670			72	374,342	336	596,012	613	1,911,412	195	1	$200
Wilkes Barre, Pa	1927							900	706,123	1,376	4,934,339		13	37,875
	1928							948	662,881	1,337	3,896,345	121	20	104,590
Wilkinsburg, Pa	1927							37	114,400	337	1,932,390			
	1928							58	105,005	276	1,915,561	194		
Williamsport, Pa	1927	292	107,744	44	$4,905	133	308,881	469	421,530	836	2,732,695		101	13,277
	1928							546	347,175	941	2,080,940	183	183	14,680
Wilmington, Del	1927							689	988,774	1,924	6,805,900		186	151,230
	1928							799	1,129,452	1,969	5,577,109	91	146	96,190
Wilmington, N. C	1927	65	49,250			20	80,000	85	129,250	197	552,125			
	1928	97	65,000			15	91,000	112	156,000	239	748,500	281		
Winston-Salem, N. C	1927	853	280,909			126	246,036	979	526,945	2,444	6,539,187			
	1928	1,021	346,347			137	182,959	1,158	529,306	2,550	8,531,028	61		
Woonsocket, R. I	1927	12	28,170			149	317,755	161	345,925	463	1,360,179			
	1928	95	60,726			76	393,347	171	454,073	366	918,543	272	9	4,866
Worcester, Mass	1927	471	260,358			553	1,772,432	1,024	2,032,790	2,381	8,814,669			
	1928	498	728,817			466	759,267	964	1,488,084	1,999	7,260,320	73		
Yonkers, N. Y	1927	216	382,387			166	806,972	382	1,189,359	2,005	32,585,888			
	1928	217	271,125			177	974,400	394	1,245,525	1,934	35,618,824	12		
York, Pa	1927	375	336,447	5	3,130	31	115,785	411	455,362	718	1,588,854		1	1,700
	1928	485	150,682	2	360,000	83	206,435	570	717,117	954	2,065,049	184		
Youngstown, Ohio	1927	203	104,150			43	121,550	246	225,700	2,291	9,007,160			
	1928							303	529,415	2,191	8,637,675	60		
Zanesville, Ohio	1927	66	27,088			5	4,050	71	31,138	328	1,021,100			
	1928	92	31,655	1	12,340	5	28,793	98	72,788	344	548,064	297		
Total: 302 cities	1927	[2] 122,687	[2] 85,333,662	[2] 1,134	[2] 9,237,804	[2] 57,108	[2] 156,006,017	[2] 288,824	[2] 353,398,271	729,685	3,593,839,405		77,818	37,772,931
310 cities	1928	[2] 122,244	[2] 79,522,037	[2] 1,396	[2] 16,430,601	[2] 55,849	[2] 138,423,293	[2] 279,020	[2] 324,644,421	664,449	3,423,584,461		70,850	38,351,921

[2] See notes to details.

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LIST OF BULLETINS OF THE BUREAU OF LABOR STATISTICS

The following is a list of all bulletins of the Bureau of Labor Statistics published since July, 1912, except that in the case of bulletins giving the results of periodic surveys of the bureau only the latest bulletin on any one subject is here listed.

A complete list of the reports and bulletins issued prior to July, 1912, as well as the bulletins published since that date, will be furnished on application. Bulletins marked thus (*) are out of print.

Conciliation and Arbitration (including strikes and lockouts).

*No. 124. Conciliation and arbitration in the building trades of Greater New York. [1913.]
*No. 133. Report of the industrial council of the British Board of Trade on its inquiry into industrial agreements. [1913.]
No. 139. Michigan copper district strike. [1914.]
No. 144. Industrial court of the cloak, suit, and skirt industry of New York City. [1914.]
No. 145. Conciliation, arbitration, and sanitation in the dress and waist industry of New York City. [1914.]
*No. 191. Collective bargaining in the anthracite coal industry. [1916.]
*No. 198. Collective agreements in the men's clothing industry. [1916.]
No. 233. Operation of the industrial disputes investigation act of Canada. [1918.]
No. 255. Joint industrial councils in Great Britain. [1919.]
No. 283. History of the Shipbuilding Labor Adjustment Board, 1917 to 1919.
No. 287. National War Labor Board: History of its formation, activities, etc. [1921.]
No. 303. Use of Federal power in settlement of railway labor disputes. [1922.]
No. 341. Trade agreement in the silk-ribbon industry of New York City. [1923.]
No. 402. Collective bargaining by actors. [1926.]
No. 468. Trade agreements, 1927.
No. 481. Joint industrial control in the book and job printing industry. [1928.]

Cooperation.

No. 313. Consumers' cooperative societies in the United States in 1920.
No. 314. Cooperative credit societies in America and in foreign countries. [1922.]
No. 437. Cooperative movement in the United States in 1925 (other than agricultural).

Employment and Unemployment.

*No. 109. Statistics of unemployment and the work of employment offices in the United States. [1913.]
No. 172. Unemployment in New York City, N. Y. [1915.]
*No. 183. Regularity of employment in the women's ready-to-wear garment industries. [1915.]
*No. 195. Unemployment in the United States. [1916.]
No. 196. Proceedings of the Employment Managers' Conference held at Minneapolis, Minn., January 19 and 20, 1916.
*No. 202. Proceedings of the conference of Employment Managers' Association of Boston, Mass., held May 10, 1916.
No. 206. The British system of labor exchanges. [1916.]
No. 227. Proceedings of the Employment Managers' Conference, Philadelphia, Pa., April 2 and 3, 1917.
No. 235. Employment system of the Lake Carriers' Association. [1918.]
*No. 241. Public employment offices in the United States. [1918.]
No. 247. Proceedings of Employment Managers' Conference, Rochester, N. Y., May 9–11, 1918.
No. 310. Industrial unemployment: A statistical study of its extent and causes. [1922.]
No. 409. Unemployment in Columbus, Ohio, 1921 to 1925.

Foreign Labor Laws.

*No. 142. Administration of labor laws and factory inspection in certain European countries. [1914.]
No. 494. Labor legislation of Uruguay. [1929.]

Housing.

*No. 158. Government aid to home owning and housing of working people in foreign countries. [1914.]
No. 263. Housing by employers in the United States. [1920.]
No. 295. Building operations in representative cities in 1920.

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Industrial Accidents and Hygiene.

*No. 104. Lead poisoning in potteries, tile works, and porcelain enameled sanitary ware factories. [1912.]
No. 120. Hygiene of the painters' trade. [1913.]
*No. 127. Dangers to workers from dusts and fumes, and methods of protection. [1913.]
*No. 141. Lead poisoning in the smelting and refining of lead. [1914.]
*No. 165. Lead poisoning in the manufacture of storage batteries. [1914.]
*No. 179. Industrial poisons used in the rubber industry. [1915.]
No. 188. Report of British departmental committee on the danger in the use of lead in the painting of buildings. [1916.]
*No. 201. Report of committee on statistics and compensation insurance cost of the International Association of Industrial Accident Boards and Commissions. [1916.]
*No. 207. Causes of death, by occupation. [1917.]
*No. 219. Industrial poisons used or produced in the manufacture of explosives. [1917.]
No. 221. Hours, fatigue, and health in British munition factories. [1917.]
No. 230. Industrial efficiency and fatigue in British munition factories. [1917.]
*No. 231. Mortality from respiratory diseases in dusty trades (inorganic dusts). [1918.]
*No. 234. Safety movement in the iron and steel industry, 1907 to 1917.
No. 236. Effects of the air hammer on the hands of stonecutters. [1918.]
No. 249. Industrial health and efficiency. Final report of British Health of Munition Workers' Committee. [1919.]
*No. 251. Preventable death in the cotton-manufacturing industry. [1919.]
No. 256. Accidents and accident prevention in machine building. [1919.]
No. 267. Anthrax as an occupational disease. [1920.]
No. 276. Standardization of industrial accident statistics. [1920.]
No. 280. Industrial poisoning in making coal-tar dyes and dye intermediates. [1921.]
No. 291. Carbon-monoxide poisoning. [1921.]
No. 293. The problem of dust phthisis in the granite-stone industry. [1922.]
No. 298. Causes and prevention of accidents in the iron and steel industry, 1910–1919.
No. 306. Occupation hazards and diagnostic signs: A guide to impairments to be looked for in hazardous occupations. [1922.]
No. 392. Survey of hygienic conditions in the printing trades. [1925.]
No. 405. Phosphorus necrosis in the manufacture of fireworks and in the preparation of phosphorus. [1926.]
No. 427. Health survey of the printing trades, 1922 to 1925.
No. 428. Proceedings of the Industrial Accident Prevention Conference, held at Washington, D. C., July 14–16, 1926.
No. 460. A new test for industrial lead poisoning. [1928.]
No. 466. Settlement for accidents to American seamen. [1928.]
No. 488. Deaths from lead poisoning, 1925–1927.
No. 490. Statistics of industrial accidents in the United States to the end of 1927.

Industrial Relations and Labor Conditions.

No. 237. Industrial unrest in Great Britain. [1917.]
No. 340. Chinese migrations, with special reference to labor conditions. [1923.]
No. 349. Industrial relations in the west coast lumber industry. [1923.]
No. 361. Labor relations in the Fairmont (W. Va.) bituminous-coal field. [1924.]
No. 380. Postwar labor conditions in Germany. [1925.]
No. 383. Works council movement in Germany. [1925.]
No. 384. Labor conditions in the shoe industry in Massachusetts, 1920–1924.
No. 399. Labor relations in the lace and lace-curtain industries in the United States. [1925.]
No. 483. Conditions in the shoe industry in Haverhill, Mass., 1928.

Labor laws of the United States (including decisions of courts relating to labor).

No. 211. Labor laws and their administration in the Pacific States. [1917.]
No. 229. Wage-payment legislation in the United States. [1917.]
No. 285. Minimum-wage laws of the United States: Construction and operation. [1921.]
No. 321. Labor laws that have been declared unconstitutional. [1922.]
No. 322. Kansas Court of Industrial Relations. [1923.]
No. 343. Laws providing for bureaus of labor statistics, etc. [1923.]
No. 370. Labor laws of the United States, with decisions of courts relating thereto. [1925.]
No. 408. Laws relating to payment of wages. [1926.]
No. 444. Decisions of courts and opinions affecting labor, 1926.
No. 467. Minimum wage legislation in various countries. [1928.]
No. 486. Labor legislation of 1928.

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Proceedings of Annual Conventions of the Association of Governmental Labor Officials of the United States and Canada. (Name changed in 1928 to Association of Governmental Officials in Industry of the United States and Canada.)

*No. 266. Seventh, Seattle, Wash., July 12-15, 1920.
No. 307. Eighth, New Orleans, La., May 2-6, 1921.
No. 323. Ninth, Harrisburg, Pa., May 22-26, 1922.
No. 352. Tenth, Richmond, Va., May 1-4, 1923.
*No. 389. Eleventh, Chicago, Ill., May 19-23, 1924.
*No. 411. Twelfth, Salt Lake City, Utah, August 13-15, 1925.
No. 429. Thirteenth, Columbus, Ohio, June 7-10, 1926.
No. 455. Fourteenth, Paterson, N. J., May 31 to June 3, 1927.
No. 480. Fifteenth, New Orleans, La., May 15-24, 1928.

Proceedings of Annual Meetings of the International Association of Industrial Accident Boards and Commissions.

No. 210. Third, Columbus, Ohio, April 25-28, 1916.
No. 238. Fourth, Boston, Mass., August 21-25, 1917.
No. 264. Fifth, Madison, Wis., September 24-27, 1918.
*No. 273. Sixth, Toronto, Canada, September 23-26, 1919.
No. 281. Seventh, San Francisco, Calif., September 20-24, 1920.
No. 304. Eighth, Chicago, Ill., September 19-23, 1921.
No. 333. Ninth, Baltimore, Md., October 9-13, 1922.
No. 359. Tenth, St. Paul, Minn., September 24-26, 1923.
No. 385. Eleventh, Halifax, Nova Scotia, August 26-28, 1924.
No. 395. Index to proceedings, 1914-1924.
No. 406. Twelfth, Salt Lake City, Utah, August 17-20, 1925.
No. 432. Thirteenth, Hartford, Conn., September 14-17, 1926.
No. 456. Fourteenth, Atlanta, Ga., September 27-29, 1927.
No. 485. Fifteenth, Paterson, N. J., September 11-14, 1928.

Proceedings of Annual Meetings of the International Association of Public Employment Services.

No. 192. First, Chicago, December 19 and 20, 1913; second, Indianapolis, September 24 and 25, 1914; third, Detroit, July 1 and 2, 1915.
No. 220. Fourth, Buffalo, N. Y., July 20 and 21, 1916.
No. 311. Ninth, Buffalo, N. Y., September 7-9, 1921.
No. 337. Tenth, Washington, D. C., September 11-13, 1922.
No. 355. Eleventh, Toronto, Canada, September 4-7, 1923.
No. 400. Twelfth, Chicago, Ill., May 19-23, 1924.
No. 414. Thirteenth, Rochester, N. Y., September 15-17, 1925.
No. 478. Fifteenth, Detroit, Mich., October 25-28, 1927.

Productivity of Labor.

No. 356. Productivity costs in the common-brick industry. [1924.]
No. 360. Time and labor costs in manufacturing 100 pairs of shoes, 1923.
No. 407. Labor cost of production and wages and hours of labor in the paper box-board industry. [1926.]
No. 412. Wages, hours, and productivity in the pottery industry, 1925.
No. 441. Productivity of labor in the glass industry. [1927.]
No. 474. Productivity of labor in merchant blast furnaces. [1928.]
No. 475. Productivity of labor in newspaper printing. [1929.]

Retail Prices and Cost of Living.

*No. 121. Sugar prices, from refiner to consumer. [1913.]
*No. 130. Wheat and flour prices, from farmer to consumer. [1913.]
No. 164. Butter prices, from producer to consumer. [1914.]
No. 170. Foreign food prices as affected by the war. [1915.]
No. 357. Cost of living in the United States. [1924.]
No. 369. The use of cost-of-living figures in wage adjustments. [1925.]
No. 495. Retail prices, 1890 to 1928.

Safety Codes.

*No. 331. Code of lighting: Factories, mills, and other work places.
No. 336. Safety code for the protection of industrial workers in foundries.
No. 350. Specifications of laboratory tests for approval of electric headlighting devices for motor vehicles.
No. 351. Safety code for the construction, care, and use of ladders.
No. 375. Safety code for laundry machinery and operations.
No. 378. Safety code for woodworking plants.
No. 382. Code for lighting school buildings.
No. 410. Safety code for paper and pulp mills.
No. 430. Safety code for power presses and foot and hand presses.

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Safety Codes—Continued.

No. 433. Safety codes for the prevention of dust explosions.
No. 436. Safety code for the use, care, and protection of abrasive wheels.
No. 447. Safety code for rubber mills and calenders.
No. 451. Safety code for forging and hot-metal stamping.
No. 463. Safety code for mechanical power-transmission apparatus.—First revision.

Vocational Workers' Education.

*No. 159. Short-unit courses for wage earners, and a factory school experiment. [1915.]
*No. 162. Vocational education survey of Richmond, Va. [1915.]
No. 199. Vocational education survey of Minneapolis, Minn. [1917.]
No. 271. Adult working-class education in Great Britain and the United States. [1920.
No. 459. Apprenticeship in building construction. [1928.]

Wages and Hours of Labor.

*No. 146. Wages and regularity of employment and standardization of piece rates in the dress and waist industry of New York City. [1914.]
*No. 147 Wages and regularity of employment in the cloak, suit, and skirt industry. [1914.]
No. 161. Wages and hours of labor in the clothing and cigar industries, 1911 to 1913.
No. 163. Wages and hours of labor in the building and repairing of steam railroad cars, 1907 to 1913.
*No. 190. Wages and hours of labor in the cotton, woolen, and silk industries, 1907 to 1914
No. 204. Street-railway employment in the United States. [1917.]
No. 225. Wages and hours of labor in the lumber, millwork, and furniture industries, 1915.
No. 265. Industrial survey in selected industries in the United States, 1919.
No. 297. Wages and hours of labor in the petroleum industry, 1920.
No. 356. Productivity costs in the common-brick industry. [1924.]
No. 358. Wages and hours of labor in the automobile-tire industry, 1923.
No. 360. Time and labor costs in manufacturing 100 pairs of shoes, 1923.
No. 365. Wages and hours of labor in the paper and pulp industry, 1923.
No. 394. Wages and hours of labor in metalliferous mines, 1924.
No. 407. Labor cost of production and wages and hours of labor in the paper box-board industry. [1925.]
No. 412. Wages, hours, and productivity in the pottery industry, 1925.
No. 416. Hours and earnings in anthracite and bituminous coal mining, 1922 and 1924.
No. 435. Wages and hours of labor in the men's clothing industry, 1911 to 1926.
No. 438. Wages and hours of labor in the motor-vehicle industry, 1925.
No. 442. Wages and hours of labor in the iron and steel industry, 1907 to 1926.
No. 452. Wages and hours of labor in the hosiery and underwear industries, 1907 to 1926
No. 454. Hours and earnings in bituminous-coal mining, 1922, 1924, and 1926.
No. 471. Wages and hours of labor in foundries and machine shops, 1927.
No. 472. Wages and hours of labor in the slaughtering and meat packing industry, 1927.
No. 476. Union scales of wages and hours of labor, 1927-1928. [Supplement to Bul. No. 457.]
No. 482. Union scales of wages and hours of labor, May 15, 1928.
No. 484. Wages and hours of labor of common street laborers, 1928.
No. 487. Wages and hours of labor in woolen and worsted goods manufacturing, 1910 to 1928.
No. 492. Wages and hours of labor in cotton-goods manufacturing, 1910 to 1928.
No. 497. Wages and hours of labor in the lumber industry in the United States, 1928.
No. 498. Wages and hours of labor in the boot and shoe industry, 1910 to 1928.
No. 499. History of wages in the United States from colonial times to 1928.

Welfare Work.

*No. 123. Employers' welfare work. [1913.]
No. 222. Welfare work in British munitions factories. [1917.]
*No. 250. Welfare work for employees in industrial establishments in the United States. [1919.]
No. 458. Health and recreation activities in industrial establishments, 1926.

Wholesale Prices.

No. 284. Index numbers of wholesale prices in the United States and foreign countries. [1921.
No. 453. Revised index numbers of wholesale prices, 1923 to July, 1927.
No. 493. Wholesale prices, 1913 to 1928.

Women and Children in Industry.

No. 116. Hours, earnings, and duration of employment of wage-earning women in selected industries in the District of Columbia. [1913.]
*No. 117. Prohibition of night work of young persons. [1913.]
No. 118. Ten-hour maximum working-day for women and young persons. [1913.]
No. 119. Working hours of women in the pea canneries of Wisconsin. [1913.]
*No. 122. Employment of women in power laundries in Milwaukee. [1913.]
No. 160. Hours, earnings, and conditions of labor of women in Indiana mercantile establishments and garment factories. [1914.]

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Women and Children in Industry—Continued.

*No. 167. Minimum-wage legislation in the United States and foreign countries. [1915.]
*No. 175. Summary of the report on conditions of woman and child wage earners in the United States. [1915.]
*No. 176. Effect of minimum-wage determinations in Oregon. [1915.]
*No. 180. The boot and shoe industry in Massachusetts as a vocation for women. [1915.]
*No. 182. Unemployment among women in department and other retail stores of Boston, Mass. [1916.]
No. 193. Dressmaking as a trade for women in Massachusetts. [1916.]
No. 215. Industrial experience of trade-school girls in Massachusetts. [1917.]
*No. 217. Effect of workmen's compensation laws in diminishing the necessity of industrial employment of women and children. [1918.]
No. 223. Employment of women and juveniles in Great Britain during the war. [1917.]
No. 253. Women in the lead industries. [1919.]

Workmen's Insurance and Compensation (including laws relating thereto).

*No. 101. Care of tuberculosis wage earners in Germany. [1912.]
*No. 102. British national insurance act, 1911.
No. 103. Sickness and accident insurance law in Switzerland. [1912.]
No. 107. Law relating to insurance of salaried employees in Germany. [1913.]
*No. 155. Compensation for accidents to employees of the United States. [1914.]
No. 212. Proceedings of the conference on social insurance called by the International Association of Industrial Accident Boards and Commissions, Washington, D. C., December 5-9, 1916.
*No. 243. Workmen's compensation legislation in the United States and foreign countries, 1917 and 1918.
No. 301. Comparison of workmen's compensation insurance and administration. [1922.]
No. 312. National health insurance in Great Britain, 1911 to 1921.
No. 379. Comparison of workmen's compensation laws of the United States as of January 1, 1925.
No. 477. Public-service retirement systems, United States and Europe. [1928.]
No. 496. Workmen's compensation legislation of the United States and Canada as of January, 1929 With text of legislation enacted in 1927 and 1928.

Miscellaneous Series.

*No. 174. Subject index of the publications of the United States Bureau of Labor Statistics up to May 1, 1915.
No. 208. Profit sharing in the United States. [1916.]
No. 242. Food situation in central Europe, 1917.
No. 254. International labor legislation and the society of nations. [1919.]
No. 268. Historical survey of international action affecting labor. [1920.]
No. 282. Mutual relief associations among Government employees in Washington, D. C. [1921.]
No. 299. Personnel research agencies: A guide to organized research in employment, management, industrial relations, training, and working conditions. [1921.]
No. 319. The Bureau of Labor Statistics: Its history, activities, and organization. [1922.]
No. 326. Methods of procuring and computing statistical information of the Bureau of Labor Statistics. [1923.]
No. 342. International Seamen's Union of America: A study of its history and problems. [1923.]
No. 346. Humanity in government. [1923.]
No. 372. Convict labor in 1923.
No. 386. Cost of American almshouses. [1925.]
No. 398. Growth of legal-aid work in the United States. [1926.]
No. 401. Family allowances in foreign countries. [1926.]
No. 420. Handbook of American trade-unions. [1926.]
No. 439. Handbook of labor statistics, 1924 to 1926.
No. 461. Labor organizations in Chile. [1928.]
No. 462. Park recreation areas in the United States. [1928.]
No. 465. Beneficial activities of American trade-unions. [1928.]
No. 479. Activities and functions of a State department of labor. [1928.]
No. 483. Conditions in the shoe industry in Haverhill Mass., 1928.
No. 489. Care of aged persons in the United States. [1929.]
No. 491. Handbook of labor statistics, 1929 edition.

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