

DISTRICT OF COLUMBIA

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TABLE 1.—VALUE OF CONSTRUCTION BUSINESS DURING 1929 AND PRINCIPAL ITEMS OF EXPENDITURE

[Values expressed in thousands]

AREA, CLASSIFICATION OF ESTABLISHMENTS, AND SIZE OF BUSINESS GROUPS	Number of establishments	VALUE OF CONSTRUCTION BUSINESS				PRINCIPAL EXPENDITURES			AREA, CLASSIFICATION OF ESTABLISHMENTS, AND SIZE OF BUSINESS GROUPS	Number of establishments	VALUE OF CONSTRUCTION BUSINESS				PRINCIPAL EXPENDITURES				
		Total	Under general contract or directly for owner	Under sub-contract	Sub-contract work let	Wages paid	Cost of materials	Total			Under general contract or directly for owner	Under sub-contract	Sub-contract work let	Wages paid	Cost of materials				
DISTRICT OF COLUMBIA	253	\$66,201	\$49,781	\$16,420	\$26,355	\$13,486	\$15,501												
<i>Classification of establishments</i>																			
Operative builders	40	14,567	14,567		7,214	1,813	2,802												
General contractors	30	32,725	32,265	459	18,610	4,862	4,001												
Building	40	27,674	27,580	87	18,444	3,127	2,096												
Building not specialized	40	24,464	24,377	87	16,075	2,060	2,205												
Commercial building only	7	4,870	4,870		485	100	155												
Residential building only	10	2,330	2,330		1,284	298	337												
Highway and grading	5	2,169	2,074	95	104	678	779												
Street paving	6	2,883	2,000	277	62	1,057	1,126												
Subcontractors	133	18,000	2,040	15,060	531	6,811	8,038												
Concrete	7	2,383	496	1,887	152	910	935												
Electrical	14	1,725	81	1,644	2	538	873												
Elevator construction	4	325	18	307	44	75	141												
Heating and plumbing	43	5,581	1,412	4,169	242	1,610	2,058												
Heating and piping	9	1,123	365	758	84	202	530												
Plumbing	27	3,094	759	3,145	143	1,142	2,098												
Plumbing and heating combined	7	554	288	266	15	176	271												
Masonry	12	2,477	148	2,329	24	928	1,032												
Painting and decorating	15	1,308	515	793	20	668	281												
Roofing and sheet-metal work	14	971	159	812	15	282	360												
Roofing	4	268	57	211	6	68	97												
Sheet-metal work	10	703	102	601	9	213	263												
Stonework	5	947		947		504	304												
Subcontractors—Continued.																			
Marble, tiling, and plastering	12	\$2,176	\$26	\$2,140	\$10	\$804	\$918												
Excavating and grading	3	441	108	334	16	128	79												
Other classes	4	593	15	578		269	108												
<i>Size of business groups</i>																			
General contractors	120	47,292	46,832	450	25,824	6,675	7,463												
\$25,000 to \$49,999	19	724	705	19	325	123	141												
\$50,000 to \$99,999	25	1,786	1,772	14	659	305	390												
\$100,000 to \$199,999	26	3,485	3,426	59	1,621	550	671												
\$200,000 to \$499,999	29	6,988	6,877	111	5,938	1,851	1,443												
\$500,000 to \$999,999	11	7,942	7,725	217	2,544	1,671	2,102												
\$1,000,000 and over	10	23,367	23,328	39	14,740	2,585	2,708												
Building contractors	109	42,240	42,153	87	25,658	4,040	5,558												
\$25,000 to \$49,999	18	694	685	9	325	114	141												
\$50,000 to \$99,999	24	1,709	1,700		650	377	383												
\$100,000 to \$199,999	25	3,320	3,320		1,018	488	604												
\$200,000 to \$499,999	20	8,008	8,059	39	5,938	954	1,070												
\$500,000 to \$999,999	6	4,146	4,146		2,381	422	644												
\$1,000,000 and over	10	23,367	23,328	39	14,740	2,585	2,708												
Subcontractors	133	18,009	2,040	15,960	531	6,811	8,038												
\$25,000 to \$49,999	28	1,044	424	620	12	357	408												
\$50,000 to \$99,999	54	3,759	809	2,950	94	1,379	1,492												
\$100,000 to \$199,999	24	3,264	685	2,579	67	1,187	1,228												
\$200,000 to \$499,999	21	6,389	580	5,809	90	2,404	2,769												
\$500,000 to \$999,999	5	3,423	140	3,274	133	1,126	1,681												
\$1,000,000 and over	1	1,028	292	736	126	868	460												

1 Includes ornamental iron.
 2 Includes carpentering and wood flooring; steel erection; flooring, n. e. s.; and sewer, gas, water, conduit.
 3 Includes operative builders.

TABLE 2.—CONSTRUCTION BUSINESS OF REPORTING ESTABLISHMENTS DURING 1929, BY CLASS OF OWNERSHIP AND BY TYPE OF WORK

CLASS OF OWNERSHIP AND TYPE OF CONSTRUCTION WORK	CONSTRUCTION BUSINESS REPORTED BY—						CLASS OF OWNERSHIP AND TYPE OF CONSTRUCTION WORK	CONSTRUCTION BUSINESS REPORTED BY—											
	All classes of establishments		General contractors		Subcontractors			All classes of establishments		General contractors		Subcontractors							
	Number reporting	Value	Number reporting	Value	Number reporting	Value		Number reporting	Value	Number reporting	Value	Number reporting	Value						
DISTRICT OF COLUMBIA																			
All construction business	253	\$66,200,832	120	\$47,291,521	133	\$18,909,311													
Private	243	44,410,565	112	30,115,775	131	14,294,790													
Quasi public or community	49	5,178,016	16	3,783,691	33	1,894,324													
Public	93	16,012,252	35	13,392,055	58	3,220,197													
Distribution not reported	1	15,000			1	15,000													
Distributed by class of public ownership																			
Federal	92	16,597,252	35	13,392,055	57	3,205,197													
State	62	8,728,564	21	6,787,022	41	1,941,542													
County or township	14	1,949,377	8	1,886,368	6	63,009													
Municipal	8	305,647	4	219,737	4	85,910													
Municipal	53	5,013,664	20	4,498,928	33	1,114,736													
All business under general contract or directly for owners	170	49,781,258	120	46,832,171	56	2,949,087													
Building	165	45,154,563	110	42,305,655	55	2,788,908													
Distribution not reported	5	40,000	1	40,000															
Distributed by class																			
Commercial	56	7,508,516	30	7,259,590	20	248,917													
Educational	35	4,290,676	22	3,908,282	13	382,394													
Hotel	2	2,000,278	2	2,000,278															
Hospital and institutional	14	477,040	6	2,440,031	8	37,287													
Manufacturing	3	60,980	3	60,980															
Military and naval	5	60,232	3	60,232	2	195,009													
Public: Courts, jails, etc.	16	6,767,186	10	6,622,409	6	38,648													
Religious and memorial	25	1,883,482	17	1,794,834	8	38,648													
Residential	121	20,356,633	80	18,725,484	41	1,631,149													
Social and recreational	9	1,197,532	5	1,193,222	4	4,310													
Air transport	2		2																
Rail and water transportation	3	52,642		314,814	3	251,194		</											

CONSTRUCTION—DISTRICT OF COLUMBIA

TABLE 3.—CONSTRUCTION BUSINESS DURING 1929, BY LOCATION

Classification of establishments	Establishments reporting	Total	In home city	In home State	Outside home State	Classification of establishments	Establishments reporting	Total	In home city	In home State	Outside home State
Operative builders.....	40	14, 566, 746	14, 311, 496	14, 311, 496	255, 250	Subcontractors—Continued.					
General contractors.....	79	32, 273, 776	25, 703, 473	25, 703, 473	6, 570, 302	Heating and piping.....	9	\$1, 123, 082	\$1, 041, 708	\$1, 041, 708	\$81, 374
Building.....	68	27, 222, 547	22, 786, 083	22, 786, 083	4, 436, 464	Plumbing.....	27	3, 003, 527	3, 178, 699	3, 178, 699	724, 828
Building not specialized.....	46	24, 464, 058	20, 234, 288	20, 234, 288	4, 229, 770	Plumbing and heating combined.....	7	554, 442	527, 879	527, 879	26, 563
Commercial building only.....	7	870, 125	886, 125	885, 125	185, 000	Masonry.....	12	2, 476, 897	2, 084, 361	2, 084, 361	362, 536
Residential building only.....	15	1, 888, 364	1, 866, 070	1, 866, 070	21, 694	Painting and decorating.....	15	1, 308, 374	1, 246, 174	1, 246, 174	62, 200
Highway and grading.....	5	2, 108, 705	862, 845	862, 845	1, 305, 800	Roofing and sheet-metal work.....	14	971, 319	936, 265	936, 265	35, 054
Street paving.....	6	2, 882, 523	2, 054, 545	2, 054, 545	827, 978	Roofing.....	4	268, 358	245, 476	245, 476	22, 882
Subcontractors.....	133	18, 909, 311	15, 904, 063	15, 904, 063	3, 005, 248	Sheet-metal work.....	10	702, 961	690, 789	690, 789	12, 172
Concreting.....	7	2, 363, 208	1, 852, 606	1, 852, 606	510, 602	Stonework.....	5	947, 169	803, 310	803, 310	143, 859
Electrical.....	14	1, 725, 098	1, 209, 659	1, 209, 659	515, 439	Marble, tiling, and plastering.....	12	2, 175, 750	1, 915, 042	1, 915, 042	260, 708
Elevator construction ¹	4	325, 738	251, 816	251, 816	73, 922	Excavating and grading.....	3	441, 428	382, 286	382, 286	59, 142
Heating and plumbing.....	43	5, 581, 051	4, 748, 286	4, 748, 286	832, 765	Other classes ²	4	593, 279	474, 258	474, 258	119, 021

¹ Includes ornamental iron.
² Includes carpentering and wood flooring; steel erection; flooring, n. e. s.; and sewer, gas, water, conduit.

TABLE 4.—CONSTRUCTION BUSINESS OUTSIDE HOME STATE, BY LOCATION

STATE	LOCATION REPORTED BY—			STATE	LOCATION REPORTED BY—		
	All classes of establishments	General contractors	Subcontractors		All classes of establishments	General contractors	Subcontractors
DISTRICT OF COLUMBIA				DISTRICT OF COLUMBIA—Continued.			
Total distributed by State ¹	\$9, 830, 800	\$6, 825, 552	\$3, 005, 248	Total distributed by State—Continued.			
Alabama.....	77, 049		77, 049	New York.....	\$133, 352	\$50, 311	\$83, 041
Connecticut.....	1, 737	1, 737		North Carolina.....	1, 280, 221	1, 137, 855	122, 366
Florida.....	1, 089		1, 089	Ohio.....	1, 492, 545	1, 130, 595	361, 950
Georgia.....	4, 069		4, 069	Pennsylvania.....	1, 891, 610	1, 120, 714	770, 896
Illinois.....	87, 991		87, 991	South Carolina.....	138, 912	134, 992	3, 920
Iowa.....	155, 000	155, 000		Tennessee.....	287		287
Kentucky.....	8, 698	8, 698		Vermont.....	16, 000	16, 000	
Maine.....	4, 380	4, 380		Virginia.....	2, 158, 908	1, 655, 385	503, 523
Maryland.....	2, 207, 921	1, 377, 702	830, 159	West Virginia.....	138, 121	9, 482	128, 639
Missouri.....	3, 134		3, 134	Other States, n. s.....	35, 312	20, 593	14, 719
New Jersey.....	14, 514	2, 048	12, 466				

¹ Number of establishments reporting: All classes, 82; general contractors, 34; subcontractors, 48.

TABLE 5.—NUMBER AND SALARIES OF PROPRIETORS, FIRM MEMBERS, AND SALARIED EMPLOYEES: 1929

CLASSIFICATION OF ESTABLISHMENTS	Establishments reporting	PROPRIETORS AND FIRM MEMBERS			SALARIED EMPLOYEES							Sex not reported		
		Receiving no salary	Receiving salaries		All salaried employees		Officers and clerical staff		Superintendents, foremen, etc.		Number reported, by sex			
			Number	Total annual salaries	Total number	Total annual salaries	Number	Total annual salaries	Number	Total annual salaries	Total		Male	Female
DISTRICT OF COLUMBIA	246	126	71	\$300, 963	1, 131	\$2, 841, 434	595	\$1, 593, 688	536	\$1, 257, 746	1, 008	884	122	125
Operative builders.....	36	31	7	31, 752	107	281, 444	65	165, 603	42	115, 746	96	72	24	11
General contractors.....	79	42	17	87, 116	563	1, 308, 331	237	608, 085	326	699, 646	515	474	41	48
Building.....	68	40	17	87, 116	434	963, 397	207	504, 893	227	463, 504	305	358	37	39
Building not specialized.....	45	23	14	70, 216	385	852, 628	180	452, 680	205	400, 048	353	327	26	32
Commercial building only.....	7	4	1	3, 900	10	31, 950	4	8, 350	8	23, 000	10	8	2	
Residential building only.....	16	13	2	13, 000	39	83, 810	23	43, 063	16	39, 858	32	23	9	7
Highway and grading.....	5	1			66	159, 165	11	34, 842	55	124, 323	66	64	2	
Street paving.....	6	1			63	180, 709	19	68, 950	44	111, 819	54	52	2	0
Subcontractors.....	131	53	47	182, 095	461	1, 251, 659	293	809, 305	168	442, 354	395	338	57	66
Concreting.....	7	2	1	6, 000	61	200, 940	24	101, 148	37	99, 792	61	54	7	
Electrical.....	14	6	8	24, 417	56	150, 288	37	86, 174	19	64, 114	24	13	6	32
Elevator construction ¹	4	1	1	3, 900	7	18, 618	4	5, 672	3	12, 946	7	5	2	
Heating and plumbing.....	41	22	15	65, 380	99	227, 321	79	167, 564	20	59, 767	88	60	22	11
Heating and piping.....	9	3	3	12, 740	30	70, 078	23	46, 582	7	23, 406	27	22	5	3
Plumbing.....	26	16	9	38, 498	56	125, 511	44	92, 370	12	33, 141	48	34	14	8
Plumbing and heating combined.....	6	3	3	14, 142	13	31, 732	12	28, 612	1	3, 120	13	10	3	
Masonry.....	12	7	2	7, 612	63	162, 616	23	81, 594	40	81, 622	62	60	2	1
Painting and decorating.....	15	8	9	29, 942	27	77, 256	22	66, 716	5	10, 540	15	13	5	0
Roofing and sheet-metal work.....	14	2	5	24, 802	40	109, 537	31	87, 880	9	21, 657	30	36	3	1
Roofing.....	4	2	2	11, 530	14	35, 299	8	20, 618	6	14, 681	14	13	1	
Sheet-metal work.....	10	2	3	13, 272	26	74, 238	23	67, 262	3	6, 976	25	23	2	1
Stonework.....	5	4			19	43, 697	10	30, 435	0	18, 262	15	15	1	3
Marble, tiling, and plastering.....	12	1	6	20, 042	54	145, 847	41	109, 790	13	36, 057	48	42	6	6
Excavating and grading.....	3				11	39, 479	8	28, 513	3	10, 966	11	10	1	
Other classes ²	4				24	71, 060	14	46, 819	10	24, 241	21	19	2	3

¹ Includes ornamental iron.
² Includes carpentering and wood flooring; steel erection; flooring n. e. s.; and sewer, gas, water, conduit.

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TABLE 6.—VALUE OF CONSTRUCTION EQUIPMENT, IN COMPARISON WITH CONSTRUCTION BUSINESS AND WAGES PAID DURING 1929

CLASSIFICATION OF ESTABLISHMENTS AND PERCENTAGE OF EQUIPMENT OWNED	Establishments reporting	EQUIPMENT			Wages paid	CLASSIFICATION OF ESTABLISHMENTS AND PERCENTAGE OF EQUIPMENT OWNED	Establishments reporting	EQUIPMENT			Wages paid
		Purchased during the year	Inventory value at end of year	Value of construction business reported				Purchased during the year	Inventory value at end of year	Value of construction business reported	
DISTRICT OF COLUMBIA	228	\$446,794	\$1,746,176	\$81,771,735	\$12,805,742	Subcontractors—Continued.	4	\$37,095	\$101,065	\$336,459	\$454,701
<i>Classification of establishments</i>						Stonework	11	23,955	95,700	2,038,750	837,561
Operative builders	35	11,107	42,063	13,510,787	1,079,756	Marble, tiling, and plastering	3	50,241	70,836	441,428	127,527
General contractors	76	201,176	1,039,446	30,091,071	4,631,930	Excavating and grading	8	23,903	39,971	528,270	229,266
Building	04	40,084	182,775	25,639,843	2,897,071	Other classes ¹	3				
Building not specialized	41	33,612	150,064	22,430,354	2,438,816	<i>Percentage of equipment owned</i>					
Commercial building only	7	2,775	12,907	870,125	159,938	General contractors ²	110	212,283	1,082,109	44,201,858	6,311,086
Residential building only	16	3,697	19,204	2,339,364	298,317	None	17			6,363,623	507,636
Highway and grading	5	62,193	368,335	2,168,705	677,702	1% to 25%	8	850	8,450	1,445,302	118,036
Street paving	0	98,899	488,330	2,882,523	1,057,157	26% to 50%	3	29,850	33,533	1,051,884	210,836
Subcontractors	116	234,511	664,007	17,569,877	6,294,056	51% to 75%	3	20,800	20,274	6,496,352	226,504
Concreting	7	27,533	107,602	2,363,208	915,799	76% to 99%	11	56,925	160,694	6,035,794	1,140,404
Elevator construction ¹	3	1,298	3,872	230,052	52,150	100%	57	101,156	830,141	18,686,741	3,789,663
Electrical	10	3,975	17,350	1,526,907	465,761	Not reported	17	2,702	17,017	4,122,162	362,497
Heating and plumbing	41	35,000	121,756	5,327,451	1,549,610	Subcontractors	116	234,511	664,007	17,569,877	6,294,056
Heating and piping	9	5,775	30,082	1,123,082	292,370	None	1			83,215	23,347
Plumbing	26	23,788	67,849	3,649,927	1,081,303	1% to 25%	1	2,418	1,982	194,931	101,333
Plumbing and heating combined	7	5,437	23,825	554,442	175,847	26% to 50%	2	10,240	9,694	188,776	53,919
Masonry	10	14,491	58,435	2,378,050	889,654	51% to 75%	1	2,200	1,700	147,000	50,000
Painting and decorating	12	4,647	20,670	1,080,751	534,261	76% to 99%	12	50,031	123,890	2,847,697	1,120,690
Roofing and sheet-metal work	12	2,773	10,089	814,452	237,467	100%	96	143,756	506,723	13,774,859	4,784,774
Roofing	4	206	3,112	268,358	68,063	Not reported	3	10,830	20,168	336,460	200,993
Sheet-metal work	8	2,567	16,877	546,094	160,404						

¹ Includes ornamental iron.

² Includes carpentering and wood flooring; flooring, n. e. s.; and sewer, gas, water, conduit.

³ Includes operative builders.

TABLE 7.—WAGE EARNERS, BY MONTHS, AND WAGES PAID: DURING 1929

CLASSIFICATION OF ESTABLISHMENTS AND LENGTH OF WORKING WEEK	Establishments reporting	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY												Wages paid during year
		January	February	March	April	May	June	July	August	September	October	November	December	
DISTRICT OF COLUMBIA	247	6,287	6,391	7,122	8,017	8,864	8,709	9,376	9,413	9,405	8,711	8,199	6,843	\$13,212,287
<i>Classification of establishments</i>														
Operative builders	39	944	1,022	1,198	1,435	1,450	1,400	1,520	1,482	1,824	995	828	746	1,813,160
General contractors	78	2,055	2,698	2,707	3,023	3,280	3,381	3,522	3,695	3,686	3,508	3,287	2,008	4,849,739
Building	67	2,062	2,157	2,120	2,057	2,057	2,203	2,274	2,262	2,850	2,272	2,020	1,722	3,114,880
Building not specialized	45	1,822	1,930	1,894	1,836	1,803	1,901	1,937	1,912	1,987	1,919	1,093	1,473	2,050,625
Commercial building only	7	92	87	80	77	80	80	91	94	90	107	114	104	150,988
Residential building only	15	148	140	140	144	167	222	246	250	273	246	208	145	298,317
Highway and grading	5	64	211	283	510	627	658	472	562	481	400	425	368	677,702
Street paving	6	320	328	394	450	602	620	776	871	855	830	842	518	1,057,157
Subcontractors	130	2,638	2,673	3,127	3,559	3,928	3,868	4,327	4,236	4,395	4,148	4,084	3,489	6,540,388
Concreting	7	381	425	521	607	711	565	530	581	650	684	585	547	915,799
Electrical	13	140	136	143	144	150	160	172	176	172	165	144	124	324,783
Elevator construction ¹	4	29	33	28	34	37	34	42	33	60	30	43	40	74,951
Heating and plumbing	42	720	674	743	842	826	927	1,032	938	924	840	791	724	1,601,375
Heating and piping	9	138	122	115	124	161	187	239	179	181	180	157	148	292,370
Plumbing	26	491	470	539	616	673	653	794	658	646	565	540	483	1,133,158
Plumbing and heating combined	7	91	82	89	102	92	87	99	101	97	101	94	83	175,847
Masonry	12	250	262	395	520	784	752	908	671	559	476	472	337	828,107
Painting and decorating	15	104	215	267	350	371	307	266	360	440	448	351	260	667,868
Roofing and sheet-metal work	14	105	176	168	194	219	211	242	247	245	236	256	235	281,502
Roofing	4	47	53	52	40	57	55	73	69	57	57	74	71	68,063
Sheet-metal work	10	118	123	136	154	162	156	169	178	188	179	182	164	213,439
Stonework	6	143	171	244	224	168	208	265	329	292	339	301	388	504,359
Marble, tiling, and plastering	12	319	282	282	292	371	403	582	602	602	569	650	657	893,851
Excavating and grading	3	101	95	136	198	114	130	168	166	116	104	81	62	127,527
Other classes ²	3	184	214	100	164	171	171	168	152	255	295	320	109	229,266
<i>Length of working week</i>														
General contractors ³	117	3,599	3,718	3,995	4,458	4,736	4,841	5,048	5,177	5,010	4,563	4,115	3,354	6,662,899
40-hour, 5-day week	11	401	543	537	487	437	488	495	471	429	487	441	492	700,192
45-hour, 5-day week	1	9	11	17	16	14	11	14	13	19	20	13	16	17,000
50-hour, 5-day week														
All other 5-day week	88	2,383	2,483	2,626	2,826	2,916	3,024	3,132	3,105	3,080	2,576	2,227	1,821	3,981,986
44-hour, 5½-day week	1	88	59	110	220	294	274	144	221	148	137	132	211	188,030
49½-hour, 5½-day week	3	136	122	122	148	137	180	142	136	165	154	155	155	227,427
All other 5½-day week	10	505	483	570	725	872	825	1,024	1,120	1,111	1,067	1,015	600	1,468,854
48-hour, 6-day week	1	9	1	4	28	57	79	83	101	99	118	128	52	66,865
54-hour, 6-day week	1	9	1	2	2	3	5	9	5	2	2	2	2	4,619
60-hour, 6-day week	1	7	8	7	6	6	5	5	5	7	2	2	5	8,016
All other 6-day week														
All other not designated														
Not reported														
Subcontractors	130	2,638	2,673	3,127	3,559	3,928	3,868	4,327	4,236	4,395	4,148	4,084	3,489	6,540,388
40-hour, 5-day week	54	1,027	946	1,013	1,180	1,283	1,360	1,449	1,532	1,710	1,507	1,412	1,246	2,654,184
45-hour, 5-day week														
50-hour, 5-day week														
All other 5-day week	65	1,299	1,420	1,766	2,032	2,326	2,167	2,490	2,322	2,361	2,336	2,402	1,999	3,548,003
44-hour, 5½-day week														
49½-hour, 5½-day week														
55-hour, 5½-day week	1	8	8	8	8	9	9	9	8	8	8	6	6	9,515
All other 5½-day week	8	255	250	289	253	245	258	293	287	232	231	209	189	271,827
48-hour, 6-day week	2	40	49	51	56	65	74	86	87	84	66	55	49	65,859
54-hour, 6-day week														
60-hour, 6-day week														
All other 6-day week														
All other not designated														
Not reported														

¹ Includes ornamental iron.

² Includes carpentering and wood flooring; flooring, n. e. s.; and sewer, gas, water, conduit.

³ Includes operative builders.

CONSTRUCTION—DISTRICT OF COLUMBIA

TABLE 8.—EXPENDITURES OF REPORTING ESTABLISHMENTS: 1929

CLASSIFICATION OF ESTABLISHMENTS	Es-tab-lish-ments re-ported	Value of con-struction busi-ness re-ported	PRINCIPAL ITEMS OF EXPENDITURE			OTHER ITEMS OF EXPENDITURE							
			Subcon-tract work let	Wages paid	Cost of materials	Salaries		Rent for—		Interest	Contract bond pre-miums	Compensation and li-ability in-surance pre-miums	All other over-head ex-penses
						Propri-eters and firm mem-bers	Em-ployees	Equip-ment	Offices, etc.				
DISTRICT OF COLUMBIA	243	\$65,371,780	\$28,022,000	\$13,332,151	\$15,234,212	\$287,981	\$2,817,792	\$259,574	\$251,537	\$795,578	\$210,959	\$403,156	\$1,873,166
Operative builders.....	38	14,258,575	6,652,000	1,809,901	2,820,180	31,752	281,444	2,478	31,041	453,724	4,875	61,280	227,167
General contractors.....	78	32,610,112	18,540,000	4,845,050	4,592,080	87,116	1,268,131	95,702	95,012	268,471	189,959	403,051	743,358
Building.....	07	27,658,384	13,374,000	3,110,191	2,686,833	87,116	968,197	25,387	32,087	228,511	144,085	81,954	280,685
Building not specialized.....	44	24,849,395	16,605,000	2,651,936	2,195,394	70,216	842,428	26,187	33,321	199,111	142,847	69,029	201,005
Commercial building only.....	7	870,125	485,000	150,938	154,611	3,900	31,950	200	1,780	440	677	5,052	24,908
Residential building only.....	16	2,339,364	1,284,000	298,317	336,828	13,000	83,819	—	10,986	28,960	1,441	6,703	60,772
Highway and grading.....	6	2,168,705	104,000	677,702	779,442	—	150,165	62,727	9,123	18,046	20,254	9,738	260,755
Street paving.....	6	2,882,523	62,000	1,057,157	1,125,805	—	180,769	7,688	4,702	21,914	24,352	42,329	186,915
Subcontractors.....	127	18,503,073	530,000	6,677,200	7,822,002	169,033	1,238,217	161,394	123,984	73,383	16,813	207,825	602,641
Concreting.....	7	2,363,208	152,000	915,799	934,563	6,000	200,940	21,070	8,981	4,035	3,835	39,214	75,690
Electrical.....	14	1,725,098	2,000	537,958	872,743	24,417	150,238	420	15,413	13,090	1,642	12,033	89,441
Elevator construction ¹	4	325,738	44,000	74,951	140,934	3,900	18,618	—	4,912	97	222	3,004	7,142
Heating and plumbing.....	40	5,375,908	242,000	1,555,891	2,829,735	62,520	219,019	1,570	28,825	17,743	0,163	26,945	216,233
Heating and piping.....	8	690,303	84,000	269,715	408,639	12,740	61,770	—	8,428	1,484	100	3,892	46,621
Plumbing.....	25	3,831,163	143,000	1,110,329	2,000,331	35,638	125,511	1,570	13,695	14,599	0,063	18,008	128,770
Plumbing and heating com-bined.....	7	554,442	15,000	175,847	270,765	14,142	31,732	—	6,742	1,000	—	3,985	40,886
Masonry.....	11	2,387,217	24,000	393,364	1,036,667	7,612	160,536	2,043	9,485	10,956	960	43,004	75,860
Painting and decorating.....	15	1,308,374	26,000	667,868	281,122	29,042	77,250	1,083	16,322	4,604	—	15,501	70,133
Roofing and sheet-metal work.....	12	859,904	14,000	236,866	317,827	14,650	106,477	50	10,590	7,329	585	16,130	65,161
Roofing.....	4	268,358	6,000	68,063	96,863	11,530	35,299	—	3,870	5,266	—	8,041	34,481
Sheet-metal work.....	8	591,546	8,000	168,803	220,964	3,120	71,178	50	6,720	2,063	585	8,089	30,680
Stonework.....	5	947,169	—	504,350	303,883	—	48,697	3,514	2,699	4,555	—	16,013	48,250
Marble, tiling, and plastering.....	12	2,175,750	10,000	393,851	917,579	20,042	145,847	912	23,295	7,255	—	16,070	103,044
Excavating and grading.....	3	441,428	16,000	827,527	79,291	—	39,479	94,232	632	1,852	599	7,700	61,452
Other classes ²	4	593,279	—	268,766	107,658	—	71,060	35,600	2,839	2,767	2,802	14,261	90,320

¹ Includes ornamental iron.
² Includes carpentering and wood flooring; steel erection; flooring, n. e. s.; and sewer, gas, water, conduit.

TABLE 9.—COST OF MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, BY KIND

KIND OF MATERIAL	COST OF MATERIALS REPORTED BY—					KIND OF MATERIAL	COST OF MATERIALS REPORTED BY—				
	All classes of establishments			General contractors ²	Subcon-tractors		All classes of establishments			General contractors ¹	Subcon-tractors
	Amount	Per cent dis-tribution	Per \$1,000 con-struction work done ¹				Amount	Per cent dis-tribution	Per \$1,000 con-struction work done ¹		
DISTRICT OF COLUMBIA						DISTRICT OF COLUMBIA—Con.					
All kinds of material.....	\$15,500,608	—	\$389.01	\$7,462,791	\$8,037,817	Distribution by kind—Continued.					
Distribution not reported.....	3,729,654	24.1	—	2,519,594	1,210,060	Waterproofing materials.....	\$16,167	0.1	\$0.53	\$6,179	\$9,988
Distributed by kind.....	11,770,954	100.0	—	4,943,197	6,827,757	Hardware, rough and finished.....	270,438	2.3	8.94	227,042	42,496
Sand, gravel, stone, slag, cinders, etc.....	1,241,485	10.5	41.03	936,414	305,071	Paints, varnishes, glass.....	351,909	3.0	11.63	82,371	239,538
Brick, (face, common, fire, paving, etc.).....	600,781	5.1	19.86	193,054	407,727	Roofing and sheet-metal.....	347,131	2.9	11.47	21,024	326,107
Tile (fireproofing).....	188,512	1.6	0.23	27,753	160,759	Finished flooring (other than ce-ment, wood, or tile).....	28,992	.2	.96	18,803	10,189
Tile, facing, terra cotta, floor, and wall.....	415,401	3.5	13.73	27,323	388,078	Screens, shades, awnings, etc.....	23,624	.2	.78	14,832	8,792
Concrete and cinder block.....	121,182	1.0	4.01	74,730	46,452	Heating and ventilating equip-ment.....	824,465	7.0	27.25	20,000	803,859
Cut stone, granite, and marble.....	601,790	5.1	19.89	205,648	396,142	Plumbing and gas-fitting equip-ment.....	1,895,734	11.9	46.13	32,463	1,363,321
Riprap, rubble, etc.....	56,119	.5	1.86	54,739	1,380	Electrical appliances and supplies.....	877,990	7.5	29.02	18,105	859,885
Cement.....	1,257,050	10.7	41.56	763,508	494,152	Elevators, dumb-waiters, and equipment.....	124,050	1.1	4.10	12,492	111,558
Lime.....	50,577	.4	1.67	5,403	45,114	Pipe: Drain tile, vitrified, concrete, segment tile, corrugated.....	14,828	.1	.49	8,919	5,909
Plaster, etc.....	120,145	1.0	3.97	24,114	96,031	Pipe: Cast-iron, sheet, and tube steel, etc.....	72,987	(*)	2.41	—	72,987
Structural steel.....	90,468	.8	2.99	87,108	3,360	Wire cable, guards, and fencing.....	1,405	(*)	.05	280	1,175
Reinforcing steel.....	424,002	3.6	14.03	189,908	234,094	Bituminous paving materials, tar, asphalt, and oil.....	133,024	1.1	4.40	132,972	52
Cast iron, miscellaneous, exclud-ing pipe.....	10,907	.1	.36	5,557	5,350	Ready mixed concrete.....	14,394	.1	.47	—	14,394
Metal doors, windows, and trim.....	40,379	.3	1.33	39,314	1,065	Freight, hauling, or trucking to job.....	13,112	.1	.43	—	13,112
Metal and wire lath and furring.....	15,915	.1	.53	4,052	11,863	Metal products, n. e. s. (including metal furniture).....	9,949	.1	.33	—	9,949
Ornamental metal work.....	7,237	.1	.24	5,652	1,585	Mineral products (nonmetallic), n. e. s.....	4,000	(*)	.13	1,000	3,000
Lumber, rough, and finished.....	1,145,339	9.7	37.35	954,190	191,149	Miscellaneous.....	119,191	1.0	3.94	83,357	35,834
Lath, shingles, and shakes (wood).....	42,201	.4	1.40	17,963	24,238						
Millwork.....	636,706	5.4	21.04	635,156	550						
Composition board.....	60,108	.5	1.99	9,256	50,852						

¹ The value of construction work done is obtained from figures presented in Table 1, by subtracting the value of subcontract work let from the total value of construction business.
² Includes operative builders.
³ The percentage of total cost shown for this item is high because establishments located within this area reported that the large part of their construction work (on which this material was used) was done on contracts outside this area.
⁴ Less than one-tenth of 1 per cent.

CONSTRUCTION—DISTRICT OF COLUMBIA

TABLE 10.—COMPARISON OF COST OF DESIGNATED MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, WITH COST OF MATERIALS AND VALUE OF CONSTRUCTION BUSINESS

[Based exclusively upon reports of establishments which gave the distributed cost of materials]

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹		
	Cost of all materials distributed by kind	Per cent of—		Total cost				Cost of all distributed materials	Cost of all materials distributed by kind	Per cent of—				Total cost	Cost of all distributed materials
		Amount	Total cost							Amount	Total cost				
DISTRICT OF COLUMBIA						DISTRICT OF COLUMBIA—Continued									
<i>Sand, gravel, stone, slag cinders, etc.²</i>						<i>Cut stone, granite and marble</i>									
All classes.....	\$11,770,954	\$1,241,485	100.0	10.5	\$51,780,579	60.2	All classes.....	\$11,770,954	\$601,790	100.0	5.1	\$51,780,579	60.2		
General contractors ³	4,943,197	930,414	75.4	18.9	35,784,441	45.4	General contractors ³	4,943,197	205,648	34.2	4.2	35,784,441	45.4		
Building.....	3,053,723	160,214	12.9	5.2	30,840,309	39.3	Building.....	3,053,723	30,967	5.1	1.0	30,840,309	39.3		
Building not specialized ⁴	2,744,346	156,640	12.6	5.7	28,738,410	38.8	Building not specialized ⁴	2,744,346	30,317	5.0	1.1	28,738,410	38.8		
Commercial building only.....	102,611	829	.1	.8	610,125	44.3	Commercial building only.....	102,611	850	.1	.6	610,125	44.3		
Residential building only.....	206,760	2,925	.2	1.4	1,491,774	45.1	Residential building only.....	206,760	1,000	.1	1.0	2,091,609	95.1		
Highway.....	763,669	375,762	30.3	49.2	2,091,609	95.1	Highway.....	763,669	12,585	2.1	1.0	2,091,609	95.1		
Street paving.....	1,125,805	400,498	32.3	35.6	2,882,523	97.8	Street paving.....	1,125,805	162,090	26.9	14.4	2,882,523	97.8		
Subcontractors.....	6,827,757	305,071	24.6	4.5	15,996,138	97.2	Subcontractors.....	6,827,757	396,142	65.8	5.8	15,996,138	97.2		
Concreting.....	873,908	192,441	15.8	22.0	2,182,417	93.0	Concreting.....	873,908	2,027	.4	2.0	2,182,417	93.0		
Elevator construction.....	130,753	248	(⁵)	.2	291,429	84.0	Elevator construction.....	130,753	83	(⁵)	.4	2,321,316	99.0		
Heating and plumbing.....	2,257,889	449	(⁵)	.2	4,056,227	95.7	Heating and plumbing.....	2,257,889	1,829	.1	.1	4,056,227	92.5		
Heating and piping.....	583,384	373	(⁵)	.1	1,068,271	92.5	Heating and piping.....	583,384	1,789	.1	.3	1,068,271	92.5		
Plumbing.....	1,038,878	76	(⁵)	.1	2,321,316	99.0	Plumbing.....	1,038,878	40	(⁵)	.1	2,321,316	99.0		
Masonry.....	997,832	76,189	(⁵)	7.6	2,321,316	99.0	Masonry.....	997,832	144,117	11.5	14.4	2,321,316	99.0		
Plastering and lathing.....	115,762	6,429	.5	5.6	422,483	98.3	Plastering and lathing.....	115,762	1,500	.1	1.3	422,483	98.3		
Roofing and sheet-metal work.....	360,328	1,131	.1	.3	971,319	98.5	Roofing and sheet-metal work.....	360,328	62	(⁵)	(⁵)	971,319	98.5		
Roofing.....	96,863	1,131	.1	1.2	268,358	97.8	Roofing.....	222,348	62	(⁵)	(⁵)	587,321	99.1		
Stonework.....	242,520	1,310	.1	.5	824,829	100.0	Stonework.....	242,520	9,116	.7	3.8	824,829	100.0		
Marble and tiling.....	584,245	10,444	.8	1.8	1,801,845	99.8	Marble and tiling.....	584,245	23,229	1.8	4.0	1,801,845	99.8		
Excavating.....	16,957	4,383	.4	25.8	96,096	96.5	Excavating.....	16,957	1,144	.1	6.7	96,096	96.5		
Sewer, gas, water, conduit.....	54,693	12,047	1.0	22.0	296,500	100.0	Sewer, gas, water, conduit.....	54,693	23,180	1.8	42.4	296,500	100.0		
<i>Brick (face, common, fire, paving, etc.)</i>						<i>Reinforcing steel</i>									
All classes.....	11,770,954	600,781	100.0	5.1	51,780,579	60.2	All classes.....	11,770,954	424,602	100.0	3.6	51,780,579	60.2		
General contractors ³	4,943,197	193,054	32.1	8.9	35,784,441	45.4	General contractors ³	4,943,197	189,908	44.7	3.8	35,784,441	45.4		
Building.....	3,053,723	189,001	31.5	6.2	30,840,309	39.3	Building.....	3,053,723	177,727	41.0	5.8	30,840,309	39.3		
Building not specialized ⁴	2,744,346	188,490	31.4	6.9	28,738,410	38.8	Building not specialized ⁴	2,744,346	177,167	41.7	6.5	28,738,410	38.8		
Commercial building only.....	102,611	355	.1	.3	610,125	44.3	Commercial building only.....	102,611	169	(⁵)	.2	610,125	44.3		
Residential building only.....	206,760	150	(⁵)	.1	1,491,774	45.1	Residential building only.....	206,760	400	.1	.2	1,491,774	45.1		
Highway.....	763,669	526	.1	.1	2,091,609	95.1	Highway.....	763,669	523	.1	.1	2,091,609	95.1		
Street paving.....	1,125,805	3,523	.6	.3	2,882,523	97.8	Street paving.....	1,125,805	11,638	2.7	1.0	2,882,523	97.8		
Subcontractors.....	6,827,757	407,727	67.9	6.0	15,996,138	97.2	Subcontractors.....	6,827,757	234,694	55.3	3.4	15,996,138	97.2		
Concreting.....	873,908	72	(⁵)	(⁵)	2,182,417	93.0	Concreting.....	873,908	107,042	24.5	19.2	2,182,417	93.0		
Elevator construction.....	130,753	589	(⁵)	.4	291,429	84.0	Elevator construction.....	130,753	3	.1	.4	2,321,316	99.0		
Heating and plumbing.....	2,257,889	1,754	.3	.1	4,056,227	95.7	Heating and plumbing.....	2,257,889	1,365	.3	.2	4,056,227	95.7		
Heating and piping.....	583,384	1,754	.3	.1	1,068,271	92.5	Heating and piping.....	583,384	1,365	.3	.2	1,068,271	92.5		
Plumbing.....	1,038,878	40	(⁵)	.1	2,321,316	99.0	Plumbing.....	1,038,878	1,365	.3	.2	2,321,316	99.0		
Masonry.....	997,832	394,359	65.0	39.5	2,321,316	99.0	Masonry.....	997,832	65,087	15.3	6.5	2,321,316	99.0		
Plastering and lathing.....	115,762	704	.1	.3	422,483	98.3	Plastering and lathing.....	115,762	600	.1	3.5	422,483	98.3		
Roofing and sheet-metal work.....	360,328	1,131	.1	.3	971,319	98.5	Roofing and sheet-metal work.....	360,328	62	(⁵)	(⁵)	971,319	98.5		
Roofing.....	96,863	1,131	.1	1.2	268,358	97.8	Roofing.....	222,348	62	(⁵)	(⁵)	587,321	99.1		
Stonework.....	242,520	1,310	.1	.5	824,829	100.0	Stonework.....	242,520	9,116	.7	3.8	824,829	100.0		
Marble and tiling.....	584,245	10,444	.8	1.8	1,801,845	99.8	Marble and tiling.....	584,245	23,229	1.8	4.0	1,801,845	99.8		
Excavating.....	16,957	4,383	.4	25.8	96,096	96.5	Excavating.....	16,957	1,144	.1	6.7	96,096	96.5		
Sewer, gas, water, conduit.....	54,693	12,047	1.0	22.0	296,500	100.0	Sewer, gas, water, conduit.....	54,693	23,180	1.8	42.4	296,500	100.0		
<i>Tile (fireproofing)</i>						<i>Lumber, rough and finished</i>									
All classes.....	11,770,954	188,512	100.0	1.6	51,780,579	60.2	All classes.....	11,770,954	1,145,339	100.0	9.7	51,780,579	60.2		
General contractors ³	4,943,197	27,753	14.7	.0	35,784,441	45.4	General contractors ³	4,943,197	654,190	83.3	10.3	35,784,441	45.4		
Building.....	3,053,723	27,753	14.7	.0	30,840,309	39.3	Building.....	3,053,723	920,019	80.0	30.3	30,840,309	39.3		
Building not specialized ⁴	2,744,346	26,522	14.1	1.0	28,738,410	38.8	Building not specialized ⁴	2,744,346	855,187	74.7	31.2	28,738,410	38.8		
Commercial building only.....	102,611	1,031	.5	1.0	610,125	44.3	Commercial building only.....	102,611	18,905	1.7	18.5	610,125	44.3		
Residential building only.....	206,760	200	.1	.1	1,491,774	45.1	Residential building only.....	206,760	51,827	4.5	25.1	1,491,774	45.1		
Highway.....	763,669	200	.1	.1	2,091,609	95.1	Highway.....	763,669	10,475	.9	1.4	2,091,609	95.1		
Street paving.....	1,125,805	3,523	.6	.3	2,882,523	97.8	Street paving.....	1,125,805	17,699	1.5	1.6	2,882,523	97.8		
Subcontractors.....	6,827,757	160,759	85.8	2.4	15,996,138	97.2	Subcontractors.....	6,827,757	234,694	55.3	3.4	15,996,138	97.2		
Concreting.....	873,908	27,161	14.4	3.1	2,182,417	93.0	Concreting.....	873,908	107,042	24.5	19.2	2,182,417	93.0		
Elevator construction.....	130,753	131,862	69.9	13.2	2,321,316	99.0	Elevator construction.....	130,753	3	.1	.4	2,321,316	99.0		
Heating and plumbing.....	2,257,889	1,754	.3	.1	4,056,227	95.7	Heating and plumbing.....	2,257,889	1,365	.3	.2	4,056,227	95.7		
Heating and piping.....	583,384	1,754	.3	.1	1,068,271	92.5	Heating and piping.....	583,384	1,365	.3	.2	1,068,271	92.5		
Plumbing.....	1,038,878	40	(⁵)	.1	2,321,316	99.0	Plumbing.....	1,038,878	1,365	.3	.2	2,321,316	99.0		
Masonry.....	997,832	394,359	65.0	39.5	2,321,316	99.0	Masonry.....	997,832	65,087	15.3	6.5	2,321,316	99.0		
Plastering and lathing.....	115,762	704	.1	.3	422,483	98.3	Plastering and lathing.....	115,762	600	.1	3.5	422,483	98.3		
Roofing and sheet-metal work.....	360,328	1,131	.1	.3	971,319	98.5	Roofing and sheet-metal work.....	360,328	62	(⁵)	(⁵)	971,319	98.5		
Roofing.....	96,863	1,131	.1	1.2	268,358	97.8	Roofing.....	222,348	62	(⁵)	(⁵)	587,321	99.1		
Stonework.....	242,520	1,310	.1	.5	824,829	100.0	Stonework.....	242,520	9,116	.7	3.8	824,829	100.0		
Marble and tiling.....	584,245	10,444	.8	1.8	1,801,845	99.8	Marble and tiling.....	584,245	23,229	1.8	4.0	1,801,845	99.8		
Excavating.....	16,957	4,383	.4	25.8	96,096	96.5	Excavating.....	16,957	1,144	.1	6.7	96,096	96.5		
Sewer, gas, water, conduit.....	54,693	12,047	1.0	22.0	296,500	100.0	Sewer, gas, water, conduit.....	54,693	23,180	1.8	42.4	296,500	100.0		

See footnotes at end of table.

CONSTRUCTION—DISTRICT OF COLUMBIA

TABLE 10.—COMPARISON OF COST OF DESIGNATED MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, WITH COST OF MATERIALS AND VALUE OF CONSTRUCTION BUSINESS—Continued

(Based exclusively upon reports of establishments which gave the distributed cost of materials)

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹				
	Cost of all materials distributed by kind	Amount	Per cent of—					Amount	Total cost	Cost of all distributed materials	Amount			Per cent of—		Total cost	Cost of all distributed materials
			Total cost	Cost of all distributed materials										Total cost	Cost of all distributed materials		
DISTRICT OF COLUMBIA—Continued						DISTRICT OF COLUMBIA—Continued											
<i>Lumber, rough and finished—Contd.</i>						<i>Roofing and sheet metal</i>											
All classes.....	\$11,770,954	636,708	100.0	5.4	51,780,579	60.2	All classes.....	\$11,770,954	\$347,131	100.0	2.9	\$51,780,579	60.2				
Subcontractors.....	\$6,827,757	\$191,149	16.7	2.8	\$15,996,138	97.2	General contractors ²	4,943,197	21,024	6.1	.4	35,784,441	45.4				
Carpentering and wood-flooring.....	38,038	36,148	3.2	93.0	194,931	100.0	Building.....	3,053,723	21,024	6.1	.7	30,840,309	39.3				
Concreting.....	873,908	111,591	9.7	12.8	2,182,417	93.6	Building not specialized ³	2,744,346	19,184	5.6	.7	28,738,410	38.8				
Heating and plumbing.....	2,257,889	1,064	.1	(*)	4,056,227	95.7	Commercial building only.....	102,611	650	.2	.6	610,125	44.3				
Heating and piping.....	583,384	1,064	.1	.2	1,068,271	92.5	Residential building only.....	206,766	1,190	.3	.6	1,491,774	45.1				
Masonry.....	997,832	20,938	2.4	2.7	3,231,316	99.0	Subcontractors.....	6,827,757	326,107	93.9	4.8	15,996,138	97.2				
Roofing and sheet-metal work.....	360,328	1,073	.1	.3	971,319	98.5	Heating and plumbing.....	2,257,889	12,516	3.0	.6	4,056,227	95.7				
Roofing.....	96,863	748	.1	.8	268,358	97.8	Plumbing.....	1,638,878	2,448	.7	.1	2,876,372	96.3				
Sheet-metal work.....	222,348	325	(*)	.1	587,321	99.1	Plumbing and heating combined.....	35,627	10,008	2.9	28.3	112,584	97.3				
Stonework.....	242,520	6,326	.6	2.6	824,829	100.0	Roofing and sheet-metal work.....	360,328	312,883	90.1	86.8	971,319	98.5				
Excavating.....	16,957	3,600	.3	21.2	96,096	96.5	Roofing.....	96,863	87,100	25.1	90.0	268,358	97.8				
Sewer, gas, water, conduit.....	54,693	4,409	.4	8.1	296,500	100.0	Sheet-metal work.....	222,348	190,867	55.0	85.8	587,321	99.1				
<i>Millwork</i>						<i>Heating and ventilating equipment</i>											
All classes.....	11,770,954	636,708	100.0	5.4	51,780,579	60.2	All classes.....	11,770,954	824,465	100.0	7.0	51,780,579	60.2				
General contractors ²	4,943,197	636,156	99.9	12.9	35,784,441	45.4	General contractors ²	4,943,197	20,606	2.5	.7	35,784,441	45.4				
Building.....	3,053,723	636,156	99.9	20.8	30,840,309	39.3	Building.....	3,053,723	20,606	2.5	.7	30,840,309	39.3				
Building not specialized ³	2,744,346	525,139	82.5	19.1	28,738,410	38.8	Building not specialized ³	2,744,346	13,747	1.7	.5	28,738,410	38.8				
Commercial building only.....	102,611	27,990	4.4	27.3	610,125	44.3	Commercial building only.....	102,611	2,860	.3	2.8	610,125	44.3				
Residential building only.....	206,766	88,027	13.0	40.2	1,491,774	45.1	Residential building only.....	206,766	4,000	.6	1.9	1,491,774	45.1				
Subcontractors.....	6,827,757	550	.1	(*)	15,996,138	97.2	Subcontractors.....	6,827,757	803,860	97.5	11.8	15,996,138	97.2				
Concreting.....	873,908	400	.1	(*)	2,182,417	93.6	Heating and plumbing.....	2,257,889	785,495	95.3	34.8	4,056,227	95.7				
Sewer, gas, water, conduit.....	54,693	150	(*)	.3	296,500	100.0	Heating and piping.....	583,384	404,563	49.1	69.3	1,068,271	92.5				
<i>Hardware, rough and finished</i>						<i>Plumbing and gas fitting equipment²</i>											
All classes.....	11,770,954	270,438	100.0	2.3	51,780,579	60.2	All classes.....	11,770,954	1,305,784	100.0	11.9	51,780,579	60.2				
General contractors ²	4,943,197	227,942	84.3	4.6	35,784,441	45.4	General contractors ²	4,943,197	32,403	2.3	.7	35,784,441	45.4				
Building.....	3,053,723	201,531	74.5	6.6	30,840,309	39.3	Building.....	3,053,723	32,403	2.3	1.1	30,840,309	39.3				
Building not specialized ³	2,744,346	175,336	64.8	6.4	28,738,410	38.8	Building not specialized ³	2,744,346	25,877	1.9	.9	28,738,410	38.8				
Commercial building only.....	102,611	8,842	3.3	8.6	610,125	44.3	Residential building only.....	206,766	6,586	.5	3.2	1,491,774	45.1				
Residential buildings only.....	206,766	17,553	8.4	8.4	1,491,774	45.1	Subcontractors.....	6,827,757	1,363,321	97.7	20.0	15,996,138	97.2				
Highway.....	763,069	24,773	9.2	3.2	2,061,609	95.1	Heating and plumbing.....	2,257,889	1,360,297	97.5	60.2	4,056,227	95.7				
Street paving.....	1,125,805	1,638	.6	.1	2,882,823	97.8	Heating and piping.....	583,384	137,856	9.9	23.6	1,068,271	92.5				
Subcontractors.....	6,827,757	42,496	15.7	.6	15,996,138	97.2	Plumbing.....	1,638,878	1,207,253	86.5	73.7	2,876,372	96.3				
Carpentering and wood-flooring.....	38,038	2,490	.9	6.4	194,931	100.0	Plumbing and heating combined.....	35,627	8,053	1.0	22.6	112,584	97.3				
Concreting.....	873,908	24,145	8.9	2.8	2,182,417	93.6	Roofing and sheet-metal work.....	360,328	18,364	2.2	5.1	971,319	98.5				
Elevator construction.....	130,753	1,812	.7	1.4	291,429	84.9	Sheet-metal work.....	222,348	18,364	2.2	8.3	587,321	99.1				
Heating and plumbing.....	2,257,889	468	.2	(*)	4,056,227	95.7	Marble and tiling.....	584,245	1,624	.1	.3	1,301,845	99.8				
Plumbing and heating combined.....	35,627	468	.2	1.3	112,584	97.3	Sewer, gas, water, conduit.....	54,693	1,000	.1	1.8	296,500	100.0				
Masonry.....	997,832	4,282	1.6	.4	2,321,316	99.0	<i>Electrical appliances and supplies</i>										
Roofing and sheet-metal work.....	360,328	855	.3	.2	971,319	98.5	All classes.....	11,770,954	877,990	100.0	7.5	51,780,579	60.2				
Sheet-metal work.....	222,348	855	.3	.4	587,321	99.1	General contractors ²	4,943,197	18,105	2.1	.4	35,784,441	45.4				
Stonework.....	242,520	8,337	3.1	3.4	824,829	100.0	Building.....	3,053,723	18,105	2.1	.6	30,840,309	39.3				
Marble and tiling.....	584,245	107	(*)	(*)	1,301,845	99.8	Building not specialized ³	2,744,346	8,295	.9	.3	28,738,410	38.8				
<i>Paints, varnishes, glass</i>						<i>Painting and decorating</i>											
All classes.....	11,770,954	351,909	100.0	3.0	51,780,579	60.2	All classes.....	11,770,954	1,550	.2	.1	4,056,227	95.7				
General contractors ²	4,943,197	82,371	23.4	1.7	35,784,441	45.4	General contractors ²	4,943,197	1,550	.2	.1	4,056,227	95.7				
Building.....	3,053,723	82,371	23.4	2.7	30,840,309	39.3	Building.....	3,053,723	1,550	.2	.1	4,056,227	95.7				
Building not specialized ³	2,744,346	68,654	19.5	2.5	28,738,410	38.8	Building not specialized ³	2,744,346	825	.3	.3	2,876,372	96.3				
Commercial building only.....	102,611	877	.1	.4	610,125	44.3	Residential building only.....	206,766	9,810	1.1	4.7	1,491,774	45.1				
Residential building only.....	206,766	13,440	3.8	6.5	1,491,774	45.1	Subcontractors.....	6,827,757	859,885	97.9	12.6	15,996,138	97.2				
Subcontractors.....	6,827,757	269,538	70.6	3.9	15,996,138	97.2	Electrical.....	858,783	858,783	97.6	90.7	1,691,524	99.0				
Concreting.....	873,908	950	.3	.1	2,182,417	93.6	Elevator construction.....	130,753	400	(*)	.3	291,429	84.9				
Heating and plumbing.....	2,257,889	300	.1	(*)	4,056,227	95.7	Heating and plumbing.....	2,257,889	1,550	.2	.1	4,056,227	95.7				
Plumbing and heating combined.....	35,627	300	.1	.8	112,584	97.3	Plumbing and heating combined.....	35,627	1,550	.2	4.4	112,584	97.3				
Painting and decorating.....	281,122	266,798	75.8	94.9	1,308,374	98.0	Roofing and sheet-metal work.....	360,328	400	(*)	.1	971,319	98.5				
Roofing and sheet-metal work.....	360,328	975	.3	.3	971,319	98.5	Sheet-metal work.....	222,348	400	(*)	.2	587,321	99.1				
Sheet-metal work.....	222,348	975	.3	.4	587,321	99.1	Marble and tiling.....	584,245	1,624	.1	.3	1,301,845	99.8				
Stonework.....	242,520	1.0	(*)	(*)	824,829	100.0	Sewer, gas, water, conduit.....	54,693	1,000	.1	1.8	296,500	100.0				
Sewer, gas, water, conduit.....	54,693	150	(*)	.3	296,500	100.0	<i>Painting and decorating</i>										
Flooring, n. e. s.....	14,827	255	.1	1.8	36,848	100.0	All classes.....	11,770,954	1,550	.2	.1	4,056,227	95.7				

¹ Based upon the difference between the total value of all construction business reported and the value of subcontract work let.
² See footnote 3 of Table 9 on p. 320.
³ Includes operative builders.
⁴ Includes cost of materials reported by establishments which did not include designated material in their distributed lists.
⁵ Includes construction work reported by establishments which did not include the designated material in their distributed lists.
⁶ Less than one-tenth of 1 per cent.

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TABLE 11.—COST OF MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929

CLASSIFICATION OF ESTABLISHMENTS	Total cost of all materials ¹	COST OF ALL MATERIALS DISTRIBUTED BY KIND		Sand, gravel, crushed stone, slag, cinders, etc.	Brick (face, common, fire, paving, etc.)	Tile (fire-proofing)	Tile, facing, terra cotta, floor, and wall	Concrete and cinder block	Cut stone, granite, and marble	Riprap, rubble, etc.	Cement	Lime	Plaster etc.
		Amount	Per cent of total										
DISTRICT OF COLUMBIA	\$15,500,608	\$11,770,954	75.9	\$1,241,486	\$800,781	\$188,512	\$415,401	\$121,182	\$801,790	\$58,119	\$1,257,660	\$50,577	\$120,145
Operative builders.....	2,861,541	1,649,382	57.6	47,507	77,961	6,471	6,410	6,361	16,439	3,360	62,257	2,470	16,899
General contractors.....	4,601,250	3,293,815	71.6	888,817	115,093	21,282	20,907	68,399	189,209	51,379	701,251	2,993	7,215
Building.....	2,696,003	1,404,341	52.1	112,617	111,040	21,282	20,907	13,759	14,528	-----	120,429	2,373	7,215
Building not specialized.....	2,204,594	1,094,964	49.7	108,863	110,535	20,061	20,907	12,659	13,878	-----	117,847	1,978	5,560
Commercial building only.....	154,611	102,611	66.4	829	355	1,031	-----	850	650	-----	1,476	45	840
Residential building only.....	336,828	206,706	61.4	2,925	160	200	-----	250	-----	-----	1,106	350	826
Highway.....	770,442	763,660	98.0	375,702	525	-----	-----	10,200	12,685	-----	247,204	-----	-----
Street paving.....	1,125,805	1,125,805	100.0	400,498	3,528	-----	-----	44,410	162,096	51,379	333,618	620	-----
Subcontractors.....	3,837,817	6,827,757	84.9	305,071	407,727	100,769	388,078	40,452	306,142	1,380	494,152	45,114	90,081
Carpentering and wood flooring.....	38,638	38,638	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Concreting.....	934,503	873,903	93.5	192,441	72	27,161	9,640	-----	-----	-----	280,383	380	-----
Electrical.....	872,743	858,783	98.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Elevator construction.....	130,753	130,753	100.0	248	-----	-----	12,083	-----	2,027	-----	586	79	62
Heating and plumbing.....	2,568,203	2,257,889	78.3	449	1,754	-----	-----	-----	-----	-----	1,829	-----	-----
Heating and piping.....	980,033	583,384	59.0	373	1,754	-----	-----	-----	-----	-----	1,789	-----	-----
Plumbing.....	2,098,405	1,638,878	78.1	76	-----	-----	-----	-----	-----	-----	40	-----	-----
Plumbing and heating combined.....	270,765	35,627	13.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Masonry.....	1,081,513	997,832	92.3	76,189	394,359	131,802	20,171	40,452	53	-----	144,117	20,833	5,096
Painting and decorating.....	281,122	281,122	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Plastering and lathing.....	115,762	115,762	100.0	6,429	-----	-----	-----	-----	-----	-----	1,500	20,000	88,000
Roofing and sheet-metal work.....	300,328	300,328	100.0	1,131	-----	-----	1,736	-----	-----	-----	62	-----	-----
Roofing.....	96,863	96,863	100.0	1,131	-----	-----	1,736	-----	-----	-----	62	-----	-----
Sheet-metal work.....	222,348	222,348	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Roofing and sheet metal combined.....	41,117	41,117	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Stonework.....	303,883	242,520	79.8	1,310	704	-----	-----	-----	197,952	1,380	9,116	1,446	162
Marble and tiling.....	801,817	584,245	72.9	10,444	-----	-----	337,184	-----	105,510	-----	23,229	2,222	132
Excavating.....	70,291	16,967	24.1	4,383	-----	-----	-----	-----	-----	-----	1,144	-----	-----
Sewer, gas, water, conduit.....	54,693	54,693	100.0	12,047	10,838	-----	-----	-----	-----	-----	28,186	-----	-----
Flooring, n. e. s.....	14,827	14,827	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	7,276

CLASSIFICATION OF ESTABLISHMENTS	Structural steel	Reinforcing steel	Cast iron, miscellaneous, excluding pipe	Metal doors, windows, and trim	Metal and wire lath and furring	Ornamental metal work	Lumber, rough and finished	Laths, shingles, and shakes	Mill-work	Composition board	Water-proofing materials	Hardware, rough and finished	Paints, varnishes, and glass	Roofing and sheet metal	Finished floors, n. e. s.
DISTRICT OF COLUMBIA	\$90,468	\$424,602	\$10,907	\$40,379	\$15,915	\$7,237	\$1,145,339	\$42,201	\$636,706	\$80,108	\$16,167	\$270,438	\$361,909	\$347,131	\$38,992
Operative builders.....	20,105	104,734	3,810	13,406	2,810	4,482	570,437	13,572	375,733	5,475	4,050	105,498	52,578	12,240	11,208
General contractors.....	67,003	85,174	1,738	25,908	1,242	1,170	383,753	4,391	260,423	3,781	2,129	122,444	29,793	8,778	7,595
Building.....	64,663	72,993	1,738	25,908	1,242	1,170	355,682	4,391	260,423	3,781	1,387	96,033	29,793	8,778	7,595
Building not specialized.....	35,707	72,433	1,648	18,788	737	800	284,750	1,056	149,400	3,436	587	69,838	15,970	6,938	3,857
Commercial building only.....	25,896	160	-----	5,817	-----	-----	18,995	1,800	27,990	-----	-----	8,842	377	650	-----
Residential building only.....	2,960	400	90	1,303	505	370	51,837	1,535	83,027	345	800	17,353	13,440	1,190	3,738
Highway.....	2,440	523	-----	-----	-----	-----	10,475	-----	-----	-----	-----	24,773	-----	-----	-----
Street paving.....	-----	11,658	-----	-----	-----	-----	17,696	-----	-----	-----	742	1,638	-----	-----	-----
Subcontractors.....	3,360	234,604	5,350	1,065	11,863	1,585	191,149	24,238	550	50,852	9,988	42,406	200,538	320,107	10,189
Carpentering and wood flooring.....	-----	-----	-----	-----	-----	-----	30,148	-----	-----	-----	-----	2,490	-----	-----	-----
Concreting.....	550	167,642	-----	800	5,816	-----	111,691	24,238	400	517	2,005	24,145	950	871	-----
Electrical.....	-----	-----	-----	-----	104	-----	-----	-----	-----	-----	760	1,812	-----	444	-----
Elevator construction.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Heating and plumbing.....	900	1,365	-----	-----	-----	-----	1,064	-----	-----	-----	-----	468	300	12,516	-----
Heating and piping.....	900	1,365	-----	-----	-----	-----	1,064	-----	-----	-----	-----	-----	-----	-----	-----
Plumbing.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2,448	-----
Plumbing and heating combined.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	468	300	10,938	-----
Masonry.....	-----	65,087	-----	-----	-----	-----	26,938	-----	-----	42,877	2,320	4,282	-----	-----	-----
Painting and decorating.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	5,075	-----	-----	200,798	-----	-----
Plastering and lathing.....	500	-----	-----	2,000	-----	-----	-----	-----	-----	2,333	-----	-----	-----	-----	-----
Roofing and sheet-metal work.....	500	-----	5,278	-----	-----	-----	1,073	-----	50	-----	4,809	855	975	312,883	2,078
Roofing.....	-----	-----	-----	-----	-----	-----	748	-----	-----	-----	3,928	-----	-----	87,190	2,078
Sheet-metal work.....	500	-----	5,278	-----	-----	-----	325	-----	50	-----	941	855	975	190,857	-----
Roofing and sheet metal combined.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	34,836	-----
Stonework.....	-----	-----	72	-----	-----	-----	6,326	-----	-----	-----	35	8,337	110	108	-----
Marble and tiling.....	-----	-----	-----	3,443	1,585	-----	-----	-----	-----	-----	-----	107	-----	-----	-----
Excavating.....	910	600	-----	-----	-----	-----	3,600	-----	-----	-----	-----	-----	-----	-----	-----
Sewer, gas, water, conduit.....	-----	-----	205	500	-----	-----	4,409	-----	160	-----	-----	-----	150	600	-----
Flooring, n. e. s.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	255	-----	6,796

¹ Certain establishments did not give a distribution of the cost of their materials by separate items. The total cost of materials reported by such establishments is, however, included in totals in this column which carry a footnote to that effect.
² See footnote 3 of Table 9, on p. 326.
³ Includes ornamental iron, \$10,181.

CONSTRUCTION—DISTRICT OF COLUMBIA

TABLE 11.—COST OF MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929—Continued

CLASSIFICATION OF ESTABLISHMENTS	Screens, shades, awnings, etc.	Heating and ventilating equipment	Plumbing and gas fitting equipment	Electrical appliances and supplies	Elevators, dumb-waiters, etc.	Pipe: drain tile, vitrified concrete, etc.	Pipe: cast iron, sheet and tube steel, etc.	Bituminous paving materials	Ready mixed concrete	Freight, hauling, or trucking to job	Metal products, n. e. s.	Mineral products (non-metallic) n. e. s.	Miscellaneous ¹
DISTRICT OF COLUMBIA.....	\$23,624	\$324,465	\$1,395,784	\$877,990	\$124,050	\$14,828	\$72,987	\$133,024	\$14,394	\$13,112	\$9,949	\$4,000	\$120,596
Operative builders.....	11,177	10,422	25,789	6,370	12,242	2,155	—	272	—	—	—	—	34,571
General contractors.....	3,655	10,184	6,674	11,735	250	6,764	—	132,700	—	—	—	1,000	49,016
Building.....	3,655	10,184	6,674	11,735	250	365	—	—	—	—	—	1,000	10,951
Building not specialized.....	2,499	3,325	88	1,925	—	200	—	—	—	—	—	1,000	7,702
Commercial building only.....	—	2,859	—	—	—	—	—	—	—	—	—	—	3,149
Residential building only.....	1,156	4,000	6,586	9,810	250	165	—	—	—	—	—	—	100
Highway.....	—	—	—	—	—	6,399	—	69,815	—	—	—	—	3,023
Street paving.....	—	—	—	—	—	—	—	62,885	—	—	—	—	35,037
Subcontractors.....	8,792	803,859	1,368,321	850,885	111,568	5,909	72,987	52	14,394	13,112	9,949	3,000	37,099
Concreting.....	—	—	—	—	—	150	—	14,394	—	—	—	—	702
Electrical.....	—	—	—	856,583	—	—	1,200	—	—	—	—	—	1,000
Elevator construction.....	—	—	—	400	111,568	—	—	—	—	—	—	—	—
Heating and plumbing.....	—	785,495	1,360,297	1,550	—	4,199	69,973	—	—	—	8,178	—	7,552
Heating and piping.....	—	404,553	137,856	—	—	—	18,000	—	—	—	8,178	—	7,552
Plumbing.....	—	372,880	1,207,263	—	—	4,199	51,973	—	—	—	—	—	—
Plumbing and heating combined.....	—	8,053	15,188	1,550	—	—	—	—	—	—	—	—	—
Masonry.....	—	—	—	—	—	—	—	—	—	5,104	—	—	3,693
Painting and decorating.....	8,792	—	—	—	—	—	—	—	—	—	—	—	—
Roofing and sheet-metal work.....	—	18,364	400	—	—	—	1,491	52	—	—	—	—	8,531
Roofing.....	—	—	—	—	—	—	—	52	—	—	—	—	—
Sheet-metal work.....	—	18,364	400	—	—	—	1,491	—	—	—	—	—	2,250
Roofing and sheet metal combined.....	—	—	—	—	—	—	—	—	—	—	—	—	6,281
Stonework.....	—	—	—	852	—	—	323	—	—	8,008	—	—	6,279
Marble and tiling.....	—	—	1,624	—	—	—	—	—	—	—	1,771	3,000	3,994
Excavating.....	—	—	—	—	—	1,560	—	—	—	—	—	—	4,760
Sewer, gas, water, conduit.....	—	—	1,000	500	—	—	—	—	—	—	—	—	1,048

¹ Includes the reported cost of wire cable, guards, and fencing; and miscellaneous, n. e. s. For total cost of these items, see Table 9.

TABLE 12.—NUMBER OF, AND VOLUME OF BUSINESS REPORTED BY ESTABLISHMENTS DOING A CONSTRUCTION BUSINESS OF LESS THAN \$25,000 IN 1929, PERCENTAGE OF TOTAL NUMBER OF KNOWN ESTABLISHMENTS AND AVERAGE VOLUME PER ESTABLISHMENT

TYPES OF WORK	District of Columbia (1930 population, 486,860)							
	Known contracting establishments				Number of reporting establishments	Volume of business reported		
	Total number	Inactive in 1929	Active in 1929			Per cent of active	Amount	Average per establishment
			Number	Per cent				
Total establishments canvassed (less than \$25,000).....	548	13	535	—	—	—	—	—
Total establishments, type of work unknown.....	4	1	3	—	—	—	—	—
Total general and subcontractors classified.....	544	12	532	100.0	—	—	—	—
Total general contractors classified.....	97	8	80	16.7	17	19.1	\$188,491	\$11,088
Building.....	95	8	87	16.4	17	19.5	188,491	11,088
Highway.....	2	—	2	.4	—	—	—	—
Total subcontractors classified.....	447	4	443	83.3	137	30.9	1,183,561	8,699
Carpentering.....	28	1	27	5.1	6	22.2	31,003	5,167
Concreting.....	6	—	6	1.1	1	16.7	10,000	10,000
Electrical.....	62	—	62	11.7	17	27.4	190,297	11,194
Heating, piping, ventilating.....	5	—	5	.9	3	60.0	24,235	8,078
Masonry.....	7	—	7	1.3	1	14.3	17,243	17,243
Painting and decorating.....	164	1	163	30.6	52	31.9	398,370	7,622
Plumbing and heating.....	131	2	129	24.2	44	34.1	356,187	8,095
Roofing and sheet metal.....	34	—	34	6.4	9	26.5	97,535	10,837
Stonework.....	3	—	3	.6	1	33.3	10,140	10,140
Marble and tiling.....	5	—	5	.9	2	40.0	25,651	12,826
Excavating.....	2	—	2	.4	1	50.0	24,900	24,900

TABLE 13.—ESTABLISHMENTS (WHOSE BUSINESS WAS LESS THAN \$25,000 IN 1929) WHICH REPORTED THEIR VOLUME OF CONSTRUCTION WORK, CLASSIFIED BY RANGE OF VOLUME OF BUSINESS

CLASSIFICATION	Total	Less than \$2,500	\$2,500 to \$4,999	\$5,000 to \$7,499	\$7,500 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$17,499	\$17,500 to \$19,999	\$20,000 to \$22,499	\$22,500 to \$24,999
DISTRICT OF COLUMBIA											
Total general and subcontractors.....	154	25	32	24	13	19	10	9	9	5	8
General contractors.....	17	3	2	1	1	2	3	1	1	2	1
Subcontractors.....	137	22	30	23	12	17	7	8	8	3	7

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CONSTRUCTION—FLORIDA

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TABLE 1.—VALUE OF CONSTRUCTION BUSINESS DURING 1929, AND PRINCIPAL ITEMS OF EXPENDITURE

[Value expressed in thousands]

AREA, CLASSIFICATION OF ESTABLISHMENTS, AND SIZE OF BUSINESS GROUPS	Number of establishments	VALUE OF CONSTRUCTION BUSINESS			PRINCIPAL EXPENDITURES			AREA, CLASSIFICATION OF ESTABLISHMENTS, AND SIZE OF BUSINESS GROUPS	Number of establishments	VALUE OF CONSTRUCTION BUSINESS			PRINCIPAL EXPENDITURES		
		Total	Under general contract or directly for owner	Under sub-contract	Sub-contract work let	Wages paid	Cost of materials			Total	Under general contract or directly for owner	Under sub-contract	Sub-contract work let	Wages paid	Cost of materials
FLORIDA	288	\$40,587	\$34,366	\$6,220	\$9,872	\$8,983	\$12,485	JACKSONVILLE	38	\$7,975	\$6,827	\$1,148	\$2,648	\$1,419	\$2,489
<i>Counties and principal cities</i>								<i>Classification of establishments</i>							
Counties:								General contractors	23	6,804	6,740	64	2,647	1,110	1,950
Broward	4	278	250	28	10	68	116	Building	15	1,458	1,458	—	514	266	457
Dade	99	13,444	10,765	2,679	3,024	3,422	3,585	Building not specialized	12	1,317	1,317	—	502	225	397
Duval	39	8,010	6,826	1,184	2,648	1,423	2,605	Residential building only	3	141	141	—	12	40	60
Escambia	8	679	569	110	60	119	282	Highway and street paving	6	4,033	4,029	64	1,884	693	1,395
Hillsborough	24	3,802	3,314	488	952	677	1,256	Other classes ¹	3	653	653	—	249	152	107
Lee	3	128	46	82	3	30	59	Subcontractors	15	1,171	86	1,085	1	309	530
Marion	4	929	929	—	263	129	330	Heating and plumbing	4	147	—	147	—	37	70
Orange	9	2,250	2,198	61	418	361	776	Marble and tiling ¹⁰	3	269	8	261	—	50	159
Palm Beach	40	5,204	4,172	1,032	1,363	1,368	1,430	Dredging, river, harbor, etc. ¹¹	3	500	—	500	—	166	211
Pinellas	16	1,596	1,483	113	498	268	570	Other classes ¹²	5	190	78	118	1	87	90
Polk	11	748	522	226	84	156	330								
St. Johns	4	700	670	30	60	219	248	<i>Size of business groups</i>							
Sarasota	4	260	220	40	73	64	99	General contractors	23	6,804	6,740	64	2,647	1,110	1,950
Volusia	6	420	303	117	58	106	180	\$25,000 to \$49,999	6	227	227	—	50	40	78
Other counties ¹	17	2,129	2,099	30	358	534	662	\$50,000 to \$99,999	5	360	360	—	73	85	110
								\$100,000 to \$199,999	6	769	769	—	241	160	268
<i>Principal cities²</i>								\$200,000 to \$499,999	3	840	776	64	162	189	372
Jacksonville	38	7,975	6,827	1,148	2,648	1,419	2,489	\$500,000 to \$999,999	2	1,321	1,321	—	341	184	498
Miami	74	9,778	7,459	2,319	2,078	2,440	2,605	\$1,000,000 and over	1	3,285	3,285	—	1,780	602	634
Tampa	23	3,773	3,285	488	950	670	1,233	Building contractors	15	1,458	1,458	—	514	266	457
<i>Classification of establishments</i>								\$25,000 to \$49,999	5	201	201	—	50	29	73
Operative builders	0	1,540	1,540	—	453	455	371	\$50,000 to \$99,999	4	288	288	—	73	62	89
General contractors	170	32,656	32,025	631	9,373	6,575	9,302	\$100,000 to \$199,999	5	647	647	—	241	129	220
Building	126	17,100	16,761	340	6,177	3,472	4,772	\$200,000 to \$499,999	1	321	321	—	150	46	75
Building not specialized	64	13,479	13,130	349	4,835	2,766	3,660	Subcontractors	15	1,171	86	1,085	1	309	530
Commercial building only	3	1,877	1,877	—	680	320	556	\$25,000 to \$49,999	7	231	25	206	1	53	113
Residential building only	24	1,744	1,744	—	559	387	556	\$50,000 to \$99,999	5	283	61	222	—	114	109
Highway	21	7,133	7,069	64	987	1,344	2,548	\$100,000 to \$199,999	2	303	303	—	72	141	113
Bridge and culvert	7	1,302	1,260	102	308	345	404	\$200,000 to \$499,999	1	355	355	—	69	169	109
Street paving	11	4,438	4,423	15	1,833	758	1,033	MIAMI	74	9,778	7,459	2,319	2,078	2,440	2,605
Dredging, river, harbor, etc.	3	1,983	1,928	55	68	428	387	<i>Classification of establishments</i>							
Foundation ³	3	224	208	16	—	114	25	General contractors ¹	36	7,424	7,020	404	2,041	1,709	1,559
Other classes ⁴	3	355	355	—	—	114	133	Building	26	5,057	4,749	309	1,931	1,161	1,207
Subcontractors	103	6,391	6,002	389	40	1,053	2,702	Building not specialized ⁵	18	4,590	4,232	358	1,801	1,088	1,037
Concreting and masonry	6	264	264	—	97	100	100	Commercial building only	4	243	243	—	53	54	87
Electrical	14	732	75	657	—	226	346	Residential building only	4	224	224	—	77	39	83
Heating and plumbing	32	1,987	465	1,531	3	502	957	Highway ¹³	5	1,158	1,031	77	90	268	293
Plumbing	25	1,482	420	1,053	3	388	715	Dredging, river, harbor, etc. ¹¹	5	1,200	1,101	18	20	280	59
Plumbing and heating combined	7	514	36	478	—	114	243	Subcontractors	38	2,354	430	1,915	37	731	1,046
Painting and decorating	4	277	34	243	—	184	34	Concreting and masonry	4	171	171	—	66	64	64
Plastering and lathing	7	452	10	430	27	218	147	Electrical	5	320	41	279	—	98	156
Roofing and sheet-metal work	14	693	111	581	—	204	321	Plumbing	8	719	238	431	1	133	344
Roofing	9	450	44	415	—	131	211	Plastering and lathing	5	311	16	295	27	145	93
Roofing and sheet metal combined	5	234	67	166	—	73	111	Roofing and sheet-metal work	8	305	44	351	—	113	184
Steel erection	3	97	25	72	—	27	39	Marble and tiling	4	197	197	—	8	45	99
Marble and tiling	10	684	14	670	11	172	315	Other classes ¹²	4	240	49	191	1	81	107
Grading ⁶	3	159	—	159	—	73	—	<i>Size of business groups</i>							
Dredging, river, harbor, etc.	3	556	46	510	—	145	219	General contractors ¹	36	7,424	7,020	404	2,041	1,709	1,559
Metal work, n. e. s. ⁷	3	167	—	167	2	43	90	\$25,000 to \$49,999	8	280	278	2	49	77	98
Other classes ⁷	4	314	15	299	3	62	182	\$50,000 to \$99,999	9	664	648	16	166	152	204
								\$100,000 to \$199,999	7	826	826	—	283	194	200
<i>Size of business groups</i>								\$200,000 to \$499,999	9	2,841	2,764	77	1,090	517	610
General contractors ⁸	185	34,196	33,555	631	9,826	7,030	9,073	\$500,000 to \$999,999	3	2,814	2,505	309	453	769	439
\$25,000 to \$49,999	41	1,488	1,476	17	255	385	536	Building contractors ⁸	26	5,057	4,749	309	1,931	1,161	1,207
\$50,000 to \$99,999	54	3,716	3,647	69	943	800	1,113	\$25,000 to \$49,999	6	222	222	—	49	56	78
\$100,000 to \$199,999	41	5,534	5,521	13	1,581	1,235	1,682	\$50,000 to \$99,999	7	528	528	—	164	111	173
\$200,000 to \$499,999	35	10,166	9,942	223	2,844	1,964	3,049	\$100,000 to \$199,999	5	616	616	—	250	132	145
\$500,000 to \$999,999	12	8,814	8,505	309	1,879	1,891	2,359	\$200,000 to \$499,999	6	1,839	1,839	—	1,006	294	373
\$1,000,000 and over	2	4,474	4,474	—	2,324	666	934	\$500,000 to \$999,999	2	1,853	1,544	309	453	508	439
Building contractors ⁸	132	18,640	18,291	349	6,680	3,927	5,143	Subcontractors	38	2,354	430	1,915	37	731	1,046
\$25,000 to \$49,999	34	1,274	1,274	—	255	300	494	\$25,000 to \$49,999	21	726	189	537	6	234	295
\$50,000 to \$99,999	43	2,900	2,890	40	908	647	877	\$50,000 to \$99,999	14	1,062	126	936	4	331	498
\$100,000 to \$199,999	30	4,001	4,001	—	1,460	845	1,120	\$100,000 to \$199,999	2	204	204	—	27	77	69
\$200,000 to \$499,999	19	5,577	5,577	—	2,521	959	1,391	\$200,000 to \$499,999	1	361	123	238	—	80	185
\$500,000 to \$999,999	5	3,698	3,389	309	933	1,013	961	MIAMI							
\$1,000,000 and over	1	1,190	1,190	—	544	164	300	<i>Classification of establishments</i>							
Subcontractors	103	6,391	6,002	389	40	1,053	2,702	General contractors ¹	36	7,424	7,020	404	2,041	1,709	1,559
\$25,000 to \$49,999	62	1,817	1,817	—	9	541	774	Building	26	5,057	4,749	309	1,931	1,161	1,207
\$50,000 to \$99,999	40	2,674	2,674	—	7	902	1,150	Building not specialized ⁵	18	4,590	4,232	358	1,801	1,088	1,037
\$100,000 to \$199,999	0	1,183	—	1,183	—	30	351	Commercial building only	4	243	243	—	53	54	87
\$200,000 to \$499,999	2	716	123	593	—	158	352	Residential building only	4	224	224	—	77	39	83
\$500,000 to \$999,999								Highway ¹³	5	1,158	1,031	77	90	268	293
\$1,000,000 and over								Dredging, river, harbor, etc. ¹¹	5	1,200	1,101	18	20	280	59

See footnotes at end of table.

CONSTRUCTION—FLORIDA

TABLE 1.—VALUE OF CONSTRUCTION BUSINESS DURING 1929, AND PRINCIPAL ITEMS OF EXPENDITURE—Continued

[Value expressed in thousands]

AREA, CLASSIFICATION OF ESTABLISHMENTS, AND SIZE OF BUSINESS GROUPS	Number of establishments	VALUE OF CONSTRUCTION BUSINESS			PRINCIPAL EXPENDITURES			AREA, CLASSIFICATION OF ESTABLISHMENTS, AND SIZE OF BUSINESS GROUPS	Number of establishments	VALUE OF CONSTRUCTION BUSINESS			PRINCIPAL EXPENDITURES		
		Total	Under general contract or directly for owner	Under sub-contract	Sub-contract work let	Wages paid	Cost of materials			Total	Under general contract or directly for owner	Under sub-contract	Sub-contract work let	Wages paid	Cost of materials
TAMPA	23	\$3,773	\$3,285	\$488	\$950	\$670	\$1,233	TAMPA—Continued.							
<i>Classification of establishments</i>								<i>Size of business groups—Continued.</i>							
General contractors ¹	15	3,251	3,230	13	947	532	972	General contractors—Contd.	1	\$500	\$500		\$158	\$35	\$128
Building ²	10	2,571	2,571		940	395	742	\$500,000 to \$999,999	1	1,190	1,190		544	164	300
Other classes ¹⁰	5	680	607	13	7	136	229	\$1,000,000 and over	10	2,571	2,571		940	395	742
Subcontractors	8	522	46	475	3	138	261	Building contractors ³	1	48	48		20	12	11
Plumbing	3	155	16	139		46	78	\$25,000 to \$49,999	1	186	186		83	28	50
Other classes ¹⁷	5	366	30	336	3	94	183	\$50,000 to \$99,999	3	365	365		99	95	116
<i>Size of business groups</i>								\$100,000 to \$199,999	1	282	282		30	62	129
General contractors ⁸	15	3,251	3,230	13	947	532	972	\$200,000 to \$499,999	1	500	500		168	35	128
\$25,000 to \$49,999	1	48	48		20	12	11	\$500,000 to \$999,999	1	1,190	1,190		544	164	300
\$50,000 to \$99,999	6	430	417	13	90	114	139	Subcontractors	8	522	46	\$475	3	138	261
\$100,000 to \$199,999	3	365	365		99	95	116	\$25,000 to \$49,999	2	66	18	50		12	32
\$200,000 to \$499,999	3	718	718		36	112	278	\$50,000 to \$99,999	5	282	30	252		90	149
								\$100,000 to \$199,999	1	173		173		37	86

¹ Includes Alachua, Brevard, Franklin, Gadsden, Indian River, Lake, Leon, Manatee, Martin, Osceola, Putnam, Santa Rosa, and Seminole, for which data can not be shown separately without revealing individual operations. From areas other than those listed, no reports were received for establishments which handled as much as \$25,000 business during 1929.

² Figures included in respective county totals.

³ Includes grading; and levee.

⁴ Includes sewer, gas, water, conduit; and dam and reservoir.

⁵ Includes excavating; and rental of equipment, trucking, etc.

⁶ Includes ornamental iron.

⁷ Includes carpentering and woodflooring; bridge and culvert; and flooring, n. e. s.

⁸ Includes operative builders.

⁹ Includes bridge and culvert; sewer, gas, water, conduit; and dredging, river, harbor, etc.

¹⁰ Includes concreting; and flooring, n. e. s.

¹¹ Includes excavating.

¹² Includes electrical; steel erection; roofing and sheet metal combined; bridge and culvert; and metal work, n. e. s.

¹³ Includes bridge and culvert; and street paving.

¹⁴ Includes foundation, principally for docks and piers.

¹⁵ Includes carpentering and woodflooring; painting and decorating; ornamental iron; and metal work, n. e. s.

¹⁶ Includes highway; bridge and culvert; street paving; and levee.

¹⁷ Includes electrical; steel erection; and marble and tiling.

TABLE 2.—CONSTRUCTION BUSINESS OF REPORTING ESTABLISHMENTS DURING 1929, BY CLASS OF OWNERSHIP AND BY TYPE OF WORK

CLASS OF OWNERSHIP AND TYPE OF CONSTRUCTION WORK	CONSTRUCTION BUSINESS REPORTED BY—						CLASS OF OWNERSHIP AND TYPE OF CONSTRUCTION WORK	CONSTRUCTION BUSINESS REPORTED BY—					
	All classes of establishments		General contractors ¹		Subcontractors			All classes of establishments		General contractors ¹		Subcontractors	
	Number reporting	Value	Number reporting	Value	Number reporting	Value		Number reporting	Value	Number reporting	Value	Number reporting	Value
FLORIDA							FLORIDA—Continued						
All construction business	258	\$40,586,742	185	\$34,195,062	103	\$6,391,680	All business under general contractor or directly for owners—Con.						
Distribution not reported	21	1,430,735	6	698,821	16	831,914	Distributed by class—Continued.						
Distributed by class of ownership	267	39,156,007	179	33,696,841	88	5,559,166	Highway and street	38	\$10,356,679	38	\$10,356,679		
Private	232	24,388,893	147	10,608,145	86	4,780,723	Public works and utilities	36	4,355,139	36	4,355,139		
Quasi public or community	32	911,901	22	731,910	10	179,985	Distribution not reported	1	26,056	1	26,056		
Public	104	13,855,238	79	13,256,780	28	598,458	Distributed by class	35	4,329,083	35	4,329,083		
Distribution not reported	10	1,626,222	8	1,485,198	2	41,024	Bridge, tunnel, etc.	15		15			
Distributed by class of public ownership	94	12,329,016	68	11,771,582	26	557,434	Central station, light and power plant	2	1,589,127	2	1,589,127		
Federal	14	674,234	9	461,530	5	212,698	Dock, pier, retaining wall, etc.	18	872,703	18	872,703		
State	31	6,109,749	25	6,019,507	6	150,242	Flood control, irrigation, and land drainage	3	396,668	3	396,668		
County or township	44	2,531,544	33	2,476,082	11	54,562	Park, grounds, etc.	3	25,986	3	25,986		
Municipal	53	2,958,480	35	2,313,587	18	189,932	River and harbor improvement	5	1,120,210	5	1,120,210		
All business under general contract or directly for owners	801	34,366,499	259	33,564,797	42	801,702	Sewage disposal and drainage	6		6			
Distribution not reported	4	488,202	1	288,883	3	199,319	Water supply	2	324,329	2	324,329		
Distributed by class	207	33,878,297	258	33,275,914	39	602,383	Air transport work	4	89,228	4	89,228		
Building	160	19,001,490	138	18,399,107	22	602,383	Railroad and car line	1		1			
Distribution not reported	15	1,379,453	9	1,183,212	6	106,241	Miscellaneous, n. e. s.	4	75,761	4	75,761		
Distributed by class	145	17,622,037	129	17,215,895	16	406,142	All business under subcontract	172	6,220,243	18	630,805	154	\$5,589,378
Commercial	75	5,559,739	71	5,542,775	4	16,964	Distribution not reported	3	142,337	8	142,337		
Educational	19	682,059	18	(?)	1	(?)	Distributed by class	169	6,077,906	18	630,805	151	5,447,041
Hotel	24	1,960,530	18	1,865,474	6	106,056	Carpentering and wood flooring	3		2			
Hospital and institutional	3	77,796	3	77,796			Flooring, n. e. s.	2	247,049	1			
Manufacturing	11	172,872	8	144,393	3	28,479	Painting and decorating	3	126,933	1	187,899	2	710,705
Military and naval	2	118,925	1	(?)	1	(?)	Plastering and lathing	8	530,682	1			
Public: Courts, jails, etc.	7		6	(?)	1	(?)	Concreting	10	249,893	4	250,221	6	158,403
Religious and memorial	10	234,414	10	234,414	12	182,484	Stone work	3	167,731	1			
Residential	112	7,862,812	100	7,680,328	1	(?)	Electrical	14	657,135	14	657,135		
Social and recreational	20	465,216	19	(?)									
Rail and water transportation	2		2	(?)									
Miscellaneous	30	507,075	29	(?)	1	(?)							

See footnotes at end of table.

CONSTRUCTION—FLORIDA

TABLE 3.—CONSTRUCTION BUSINESS DURING 1929, BY LOCATION

CLASSIFICATION OF ESTABLISHMENTS	Estab-lish-ments reporting	Total	In home city	In home State	Outside home State	CLASSIFICATION OF ESTABLISHMENTS	Estab-lish-ments reporting	Total	In home city	In home State	Outside home State
Operative builders	5	1,508,077	1,374,361	1,508,077	-----	Subcontractors	14	\$1,024,045	\$700,489	\$903,380	\$25,865
General contractors	173	31,020,078	14,446,041	25,228,733	6,391,345	Heating and plumbing	4	147,015	147,015	147,015	-----
Building	123	16,078,941	12,500,791	15,561,384	1,117,557	Dredging, river, harbor, etc. 6	3	559,504	316,622	559,504	-----
Building not specialized	91	13,057,310	9,894,808	12,607,860	449,950	Metal work, n. e. s. 7	4	141,484	108,956	141,484	-----
Commercial building only	8	1,870,702	1,099,268	1,200,095	667,607	Other classes 8	4	176,042	127,896	150,377	25,865
Residential building only	24	1,744,429	1,508,715	1,744,429	-----	MIAMI	73	9,676,427	5,773,257	9,092,314	584,113
Highway	20	6,969,843	231,242	4,925,022	2,044,321	General contractors 9	35	7,322,275	3,968,636	6,856,633	465,642
Bridge and culvert	7	1,861,804	123,440	704,338	657,466	Building	20	5,057,080	3,526,443	4,937,080	120,000
Street paving	11	4,436,131	957,774	2,073,180	2,386,601	Building not specialized 6	18	4,590,353	3,061,141	4,470,356	120,000
Dredging, river, harbor, etc.	6	1,692,915	500,082	1,483,315	109,000	Commercial building only	4	243,085	243,085	243,085	-----
Foundation 1	3	224,199	104,621	126,190	98,000	Residential building only	4	223,639	222,217	223,639	-----
Other classes 2	3	355,845	84,101	355,345	-----	Highway 10	5	1,157,786	318,672	921,144	236,642
Subcontractors	101	6,129,580	4,347,421	5,959,766	169,814	Dredging, river, harbor, etc. 11	4	1,107,400	123,521	998,400	109,000
Concreting and masonry	6	263,816	263,816	263,816	-----	Subcontractors	38	2,354,152	1,804,621	2,235,681	118,471
Electrical	14	731,920	518,795	708,242	23,678	Concreting and masonry	4	170,733	170,733	170,733	-----
Heating and plumbing	32	1,996,717	1,604,144	1,878,246	118,471	Electrical	5	520,261	220,907	320,261	-----
Plumbing	25	1,482,424	1,038,657	1,363,953	118,471	Plumbing	8	719,375	439,435	600,904	118,471
Plumbing and heating combined	7	514,293	465,487	514,293	-----	Plastering and lathing	5	311,413	305,413	311,413	-----
Painting and decorating	4	277,176	255,176	277,176	-----	Roofing and sheet-metal work	8	395,157	393,077	395,157	-----
Plastering and lathing	4	452,413	371,413	452,413	-----	Marble and tiling	4	196,913	180,293	196,913	-----
Roofing and sheet-metal work	17	693,124	618,284	693,124	-----	Other classes 12	4	240,300	154,763	240,300	-----
Roofing	9	459,440	380,042	459,440	-----	TAMPA	20	3,284,178	1,810,571	2,450,300	633,786
Roofing and sheet metal combined	5	233,684	233,242	233,684	-----	General contractors 9	12	2,762,601	1,550,201	1,942,493	820,108
Steel erection	3	96,625	58,225	96,625	-----	Building 9	8	2,306,659	1,407,025	1,689,052	617,607
Marble and tiling	9	569,533	272,439	549,971	19,362	Other classes 13	4	456,942	149,176	253,441	202,501
Grading 3	3	153,749	50,000	153,749	2,000	Subcontractors	8	521,575	254,370	507,897	13,678
Dredging, river, harbor, etc.	3	555,579	266,622	555,579	-----	Plumbing	3	156,298	118,857	155,298	-----
Metal work, n. e. s.	3	167,354	71,289	167,354	-----	Other classes 1	5	366,277	135,513	352,599	13,678
Other classes 4	3	166,774	102,218	160,471	0,303						
JACKSONVILLE	87	7,828,011	2,503,778	4,618,441	3,208,670						
General contractors	28	6,803,966	1,603,287	3,621,061	3,182,005						
Building	15	1,463,121	1,158,487	1,333,171	124,650						
Building not specialized	12	1,316,761	1,017,087	1,191,801	124,650						
Residential building only	3	141,370	141,370	141,370	-----						
Highway and street paving	5	4,692,966	370,616	2,108,987	2,584,000						
Other classes 5	3	652,879	74,314	178,933	473,946						

1 Includes grading; and levee.
 2 Includes sewer, gas, water, conduit; and dam and reservoir.
 3 Includes excavating; and rental of equipment, trucking, etc.
 4 Includes carpentering and wood flooring; and bridge, and culvert.
 5 Includes bridge and culvert; sewer, gas, water, conduit; and dredging, river, harbor, etc.
 6 Includes excavating.
 7 Includes steel erection; and roofing and sheet metal combined.
 8 Includes concreting; electrical; marble and tiling; and bridge and culvert.
 9 Includes operative builders.
 10 Includes bridge and culvert; and street paving.
 11 Includes foundation, principally for docks and piers.
 12 Includes carpentering and wood flooring; painting and decorating; ornamental iron; and metal work, n. e. s.
 13 Includes highway; bridge and culvert; street paving; and levee.
 14 Includes electrical; steel erection; and marble and tiling.

TABLE 4.—CONSTRUCTION BUSINESS OUTSIDE HOME STATE, BY LOCATION

STATE OR COUNTRY	LOCATION REPORTED BY—			STATE OR COUNTRY	LOCATION REPORTED BY—		
	All classes of establishments	General contractors	Subcontractors		All classes of establishments	General contractors	Subcontractors
FLORIDA				MIAMI			
Total distributed by State or country 1	\$6,561,159	\$6,391,345	\$169,814	Total distributed by State or country 2	\$584,113	\$465,642	\$118,471
Alabama	2,147,117	2,131,430	15,678	Illinois	236,642	236,642	-----
Arkansas	50,000	50,000	-----	Louisiana	65,000	65,000	-----
Georgia	540,875	526,557	15,318	New York	118,471	-----	118,471
Illinois	236,642	236,642	-----	Virginia	44,000	44,000	-----
Louisiana	232,851	232,851	-----	Cuba, Bermuda, and West Indies	120,000	120,000	-----
Mississippi	149,549	139,549	10,000	TAMPA			
New York	118,471	-----	118,471	Total distributed by State 4	833,786	820,108	13,678
North Carolina	132,773	132,773	-----	Alabama	458,746	445,068	13,678
South Carolina	1,427,397	1,417,050	10,347	Louisiana	98,000	98,000	-----
Tennessee	1,361,484	1,361,484	-----	Mississippi	12,549	12,549	-----
Virginia	44,000	44,000	-----	North Carolina	87,773	87,773	-----
Cuba, Bermuda, and West Indies	120,000	120,000	-----	South Carolina	84,766	84,766	-----
JACKSONVILLE				Tennessee	91,952	91,952	-----
Total distributed by State 1	3,208,670	3,182,905	25,665				
Alabama	1,080,000	1,080,000	-----				
Arkansas	50,000	50,000	-----				
Georgia	123,268	107,950	15,318				
Louisiana	63,540	63,540	-----				
Mississippi	17,000	17,000	-----				
North Carolina	45,000	45,000	-----				
South Carolina	828,762	819,415	10,347				
Tennessee	1,000,000	1,000,000	-----				

Number of establishments reporting:
 1 All classes, 31; general contractors, 25; subcontractors, 6.
 2 All classes, 4.
 3 All classes, 9.
 4 All classes, 5.

TABLE 5.—NUMBER AND SALARIES OF PROPRIETORS, FIRM MEMBERS, AND SALARIED EMPLOYEES: 1929

CLASSIFICATION OF ESTABLISHMENTS	Estab-lish-ments report-ing	PROPRIETORS AND FIRM MEMBERS			SALARIED EMPLOYEES						Number reported, by sex			Sex not re-ported
		Re-ceiving no sal-ary	Receiving sala-ries		All salaried em-ployees		Officers and clerical staff		Superintendents, foremen, etc.		Total	Male	Fe-male	
			Num-ber	Total annual salaries	Total num-ber	Total annual salaries	Num-ber	Total annual salaries	Num-ber	Total annual salaries				
FLORIDA	272	121	62	\$226, 206	962	\$2, 326, 547	520	\$1, 522, 275	442	\$804, 272	793	704	89	169
Operative builders.....	5	3			25	58, 210	14	33, 210	11	25, 000	25	21	4	
General contractors.....	173	79	37	141, 420	737	1, 798, 906	362	1, 144, 566	375	654, 340	507	542	55	140
Building.....	121	60	29	77, 079	369	862, 161	212	555, 467	157	276, 094	315	270	36	54
Building not specialized.....	90	46	25	65, 419	267	601, 065	157	412, 710	110	188, 955	223	194	29	44
Commercial building only.....	7	1	2	7, 340	48	143, 349	26	108, 539	22	34, 810	42	40	2	6
Residential building only.....	24	13	2	4, 320	54	117, 147	29	61, 218	25	62, 929	50	45	5	4
Highway.....	20	8			161	438, 319	67	281, 958	94	156, 361	139	129	10	22
Bridge and culvert.....	7		6	59, 141	55	90, 461	16	52, 862	39	46, 559	53	52	1	2
Street paving.....	11	4	2	5, 200	81	205, 639	35	112, 014	46	93, 625	29	25	4	52
Dredging, river, harbor, etc.....	8	4			51	149, 953	24	94, 174	27	55, 779	41	38	3	10
Foundation ¹	3	3			7	12, 696	2	1, 590	5	11, 106	7	6	1	
Other classes ²	3				13	30, 677	6	16, 561	7	14, 176	13	13		
Subcontractors.....	94	39	25	84, 870	200	469, 431	144	344, 499	56	124, 932	171	141	30	29
Concreting and masonry.....	6	4	2	13, 852	10	14, 755	2	3, 300	8	11, 455	10	10		
Electrical.....	11	7	3	10, 637	21	46, 873	16	31, 914	5	14, 959	13	13	5	3
Heating and plumbing.....	30	11	5	14, 349	63	154, 502	47	103, 703	16	45, 734	60	48	12	3
Plumbing.....	23	10	4	11, 229	48	101, 371	36	60, 186	12	32, 185	45	35	10	3
Plumbing and heating combined.....	7	1	1	3, 120	15	53, 131	11	39, 582	4	13, 549	15	13	2	
Painting and decorating.....	4	1	3	5, 034	11	17, 500	3	1, 854	8	15, 646	8	6	1	3
Plastering and lathing.....	6	3	2	11, 000	6	21, 248	6	21, 248			6	6		
Roofing and sheet-metal work.....	12	5	5	15, 965	24	60, 876	20	40, 628	4	10, 248	21	16	5	3
Roofing.....	8	3	3	12, 901	17	32, 493	15	27, 368	2	5, 106	15	10	5	2
Roofing and sheet metal combined.....	4	2	2	3, 064	7	18, 403	5	13, 260	2	5, 148	6	6		1
Steel erection.....	3	3			4	5, 960	3	1, 600	1	1, 600	2	1	1	2
Marble and tiling.....	10	2	1	2, 400	28	77, 141	26	73, 631	2	3, 510	19	17	2	0
Grading ³	3		1	2, 080	9	17, 620	5	10, 960	4	6, 660	9	7	2	
Metal work, n. e. s.....	3		2	5, 903	8	15, 860	3	5, 850	5	10, 010	8	7	1	
Other classes ⁴	6	3	1	3, 600	16	47, 056	13	41, 986	3	5, 100	10	9	1	6
JACKSONVILLE	35	10	12	72, 526	180	386, 877	87	212, 613	113	174, 264	111	102	9	69
General contractors.....	23	7	10	65, 396	158	324, 141	50	162, 587	108	161, 554	95	89	6	63
Building.....	15	5	5	11, 780	43	74, 688	20	44, 633	23	30, 055	30	26	4	13
Building not specialized.....	12	4	5	11, 780	37	60, 368	16	32, 833	21	27, 535	24	21	3	13
Commercial building only.....	3	1			6	14, 320	4	11, 800	2	2, 520	6	5	1	
Residential building only.....	3	1			6	21, 003	23	108, 478	51	161, 585	24	23	1	50
Highway and street paving.....	5	1	2	5, 200	74	210, 063	23	108, 478	34	101, 585	41	40	1	
Other classes ⁵	3	1	3	48, 416	41	39, 390	7	9, 476	8	29, 414	41	40	1	
Subcontractors.....	12	3	2	7, 130	22	62, 736	17	50, 026	5	12, 710	16	13	3	6
Plumbing.....	3	1	2	7, 130										
Marble and tiling.....	3				6	19, 026	4	14, 336	2	4, 690	3	3		3
Dredging, river, harbor, etc.....	3				12	34, 290	10	29, 300	2	4, 900	12	9	3	
Other classes ⁶	3				4	6, 420	3	6, 300	1	3, 120	1	1		3
MIAMI	71	33	15	55, 028	254	604, 993	160	431, 850	94	173, 148	219	190	29	35
General contractors ¹⁰	35	10			172	435, 697	98	303, 754	74	131, 943	146	131	15	26
Building.....	25	13			90	207, 441	57	150, 465	33	50, 976	87	78	9	3
Building not specialized ¹⁰	18	8			74	176, 874	48	131, 562	26	45, 312	71	63	8	3
Commercial building only.....	3	1			5	14, 743	5	14, 743			5	4	1	
Residential building only.....	4	4			11	15, 824	4	4, 160	7	11, 664	11	11		
Highway ¹¹	5				48	140, 860	27	96, 599	21	41, 261	35	32	3	13
Dredging, river, harbor, etc. ¹²	5	6			34	87, 396	14	53, 690	20	33, 706	24	21	3	10
Subcontractors.....	36	14	15	55, 026	82	169, 296	62	128, 096	20	41, 200	73	59	14	9
Concreting and masonry.....	4	3	2	13, 852	8	9, 905	2	3, 300	6	6, 665	8	8		
Electrical.....	4	2	3	10, 687	5	9, 140	3	3, 500	2	5, 640	5	3	2	
Plumbing.....	8	3	1	2, 119	27	54, 038	22	30, 053	5	14, 985	25	19	6	2
Plastering and lathing.....	5	3	1	5, 000	5	19, 248	5	19, 248			5	5		
Roofing and sheet-metal work.....	7	1	3	8, 965	17	35, 034	15	20, 574	2	5, 460	14	11	3	3
Marble and tiling.....	4	2			9	24, 171	9	24, 171			9	7	2	
Other classes ¹³	4		5	14, 403	11	17, 700	6	9, 250	5	8, 450	7	6	1	4
TAMPA	20	7	5	15, 980	96	313, 509	64	255, 144	32	58, 365	86	88	5	10
General contractors.....	14	6	4	13, 550	80	271, 846	49	215, 281	31	66, 565	72	70	2	8
Building.....	9	4	4	13, 550	59	199, 796	40	160, 271	19	39, 525	54	52	2	5
Other classes ¹⁴	5	2			21	72, 050	9	55, 010	12	17, 040	18	18		3
Subcontractors ¹⁵	6	1	1	2, 400	16	41, 663	15	39, 863	1	1, 800	14	13	1	2

¹ Includes levee; and grading.
² Includes sewer, gas, water, conduit; and dam and reservoir.
³ Includes excavating; and rental of equipment, trucking, etc.
⁴ Includes carpentering and wood flooring; bridge and culvert; dredging, river, harbor, etc.; and flooring, n. e. s.
⁵ Includes bridge and culvert; sewer, gas, water, conduit; and dredging, river, harbor, etc.
⁶ Includes heating and piping.
⁷ Includes concreting; and flooring, n. e. s.
⁸ Includes excavating.
⁹ Includes steel erection; bridge and culvert; and metal work, n. e. s.
¹⁰ Includes operative builders.
¹¹ Includes bridge and culvert; and street paving.
¹² Includes foundation, principally for docks and piers.
¹³ Includes carpentering and wood flooring; painting and decorating; ornamental iron; and metal work, n. e. s.
¹⁴ Includes highway; bridge and culvert; street paving; and levee.
¹⁵ Includes electrical; plumbing; steel erection; and marble and tiling.

TABLE 6.—VALUE OF CONSTRUCTION EQUIPMENT, IN COMPARISON WITH CONSTRUCTION BUSINESS AND WAGES PAID DURING 1929

CLASSIFICATION OF ESTABLISHMENTS AND PERCENTAGE OF EQUIPMENT OWNED	Establishments reporting	EQUIPMENT		Value of construction business reported	Wages paid	CLASSIFICATION OF ESTABLISHMENTS AND PERCENTAGE OF EQUIPMENT OWNED	Establishments reporting	EQUIPMENT		Value of construction business reported	Wages paid
		Purchased during the year	Inventory value at end of year					Purchased during the year	Inventory value at end of year		
FLORIDA	247	\$688,089	\$5,166,962	\$37,475,136	\$8,240,909	JACKSONVILLE—Contd.					
<i>Classification of establishments</i>						<i>Percentage of equipment owned</i> ¹⁰					
Operative builders.....	5	6,500	6,785	1,483,111	455,024	General contractors.....	16	\$42,823	\$818,486	\$6,283,569	\$981,306
General contractors.....	155	612,216	4,633,786	30,309,236	6,005,616	51% to 75%.....	1		562	164,989	23,820
Building.....	105	73,555	553,551	15,188,345	2,994,940	76% to 99%.....	14	42,823	816,486	5,797,778	911,154
Building not specialized.....	79	50,932	445,913	11,804,046	2,377,124	100%.....	1		1,438	320,802	46,332
Commercial building only.....	6	10,354	71,219	1,790,617	289,689	Subcontractors.....	11	18,514	109,835	1,042,948	285,648
Residential building only.....	20	12,269	41,419	1,563,682	328,127	51% to 75%.....	1		400	48,528	5,910
Highway.....	21	204,320	1,352,303	7,193,343	1,343,502	76% to 99%.....	1	12,500	18,097	154,950	55,323
Bridge and culvert.....	7	33,776	232,407	1,361,804	345,432	100%.....	0	5,924	181,281	839,464	224,415
Street paving.....	10	18,305	871,190	4,318,131	726,590	MIAMI	67	163,922	1,724,010	9,340,549	2,333,600
Dredging, river, harbor, etc.....	7	221,612	1,337,097	1,094,155	377,746	<i>Classification of establishments</i>					
Other classes ¹	5	60,558	282,268	553,488	217,346	General contractors ¹	32	130,887	1,038,266	7,091,686	1,623,367
Subcontractors.....	87	69,373	526,391	5,082,759	1,780,269	Building.....	22	9,296	216,024	4,724,651	1,075,197
Concreting and masonry.....	6	7,002	27,031	263,816	96,587	Building not specialized ²	19	7,418	212,024	4,531,855	1,044,904
Electrical.....	12	6,340	29,766	602,242	106,795	Residential building only.....	3	1,880	4,600	192,790	30,293
Heating and plumbing.....	23	9,573	55,740	1,097,698	415,728	Highway ³	5	20,770	349,157	1,157,786	298,483
Plumbing.....	17	3,973	37,453	1,188,636	308,644	Dredging, river, harbor, etc. ⁴	5	109,821	1,072,485	1,200,249	279,687
Plumbing and heating combined.....	6	5,000	18,287	473,962	107,084	Subcontractors.....	35	24,035	85,744	2,248,863	710,233
Painting and decorating.....	4	2,288	7,340	277,176	184,332	Concreting and masonry.....	4	5,602	16,331	170,733	60,465
Plastering and lathing.....	7	2,654	7,760	452,413	218,088	Electrical.....	4	2,456	6,566	280,261	93,192
Roofing and sheet-metal work.....	13	3,800	39,505	663,394	192,442	Plumbing.....	8	3,193	16,871	719,375	182,909
Roofing.....	9	3,602	32,205	459,440	130,650	Plastering and lathing.....	5	1,054	5,150	311,413	145,088
Roofing and sheet metal combined.....	4	198	7,390	203,924	61,786	Roofing and sheet-metal work.....	8	2,702	29,386	395,157	113,164
Marble and tiling.....	3	3,806	39,724	529,333	141,398	Marble and tiling.....	3	1,201	2,507	156,913	40,934
Grading ⁵	3	9,263	36,743	158,749	72,679	Other classes ¹³	3	7,827	8,933	215,011	68,481
Dredging, river, harbor, etc.....	3	12,590	248,934	555,579	145,257	<i>Percentage of equipment owned</i> ¹⁰					
Metal work, n. e. s. ⁶	4	7,077	10,993	198,690	50,106	General contractors ¹	32	130,887	1,038,266	7,091,686	1,623,367
Other classes ⁷	4	4,400	22,785	313,799	61,957	None.....	1			107,433	18,902
<i>Percentage of equipment owned</i>						1% to 25%.....	2	15	2,349	170,733	60,606
General contractors ¹	160	618,716	4,040,571	31,792,377	6,460,640	26% to 50%.....	1	1,480	1,900	67,796	7,087
None.....	3			200,922	31,883	51% to 75%.....	8	18,936	351,143	2,062,932	521,411
1% to 25%.....	3	516	2,840	185,006	43,580	76% to 99%.....	19	118,056	1,282,224	4,391,203	904,413
26% to 50%.....	4	2,034	9,804	331,494	67,654	100%.....	19	800	650	381,719	62,074
51% to 75%.....	6	16,723	20,080	885,749	106,892	Subcontractors.....	35	24,035	85,744	2,248,863	710,233
76% to 99%.....	28	80,223	873,159	6,474,178	1,068,123	1% to 25%.....	1	709	600	28,771	10,993
100%.....	113	517,521	3,722,391	22,935,496	4,431,758	26% to 50%.....	2	2,000	11,600	140,422	54,138
Not reported.....	3	800	3,288	778,932	120,750	51% to 75%.....	2	3,202	5,281	58,590	38,714
Subcontractors.....	87	69,373	526,391	5,082,759	1,780,269	76% to 99%.....	28	17,014	62,813	1,046,769	584,310
None.....	1			28,771	10,993	100%.....	2	1,110	5,700	74,302	22,078
1% to 25%.....	1	709	500	83,000	21,082	TAMPA	19	36,181	402,620	3,513,928	606,314
26% to 50%.....	1	3,819	8,400	23,000	69,048	<i>Classification of establishments</i>					
51% to 75%.....	4	3,000	14,960	240,450	99,048	General contractors.....	13	34,971	360,880	3,141,405	514,988
76% to 99%.....	8	20,682	140,440	373,667	158,043	Building.....	8	10,298	98,040	2,461,463	378,836
100%.....	70	40,053	358,391	4,829,892	1,484,714	Other classes ¹⁴	5	24,673	262,840	679,942	136,152
Not reported.....	3	1,110	6,700	126,079	35,789	Subcontractors ¹⁵	6	1,210	41,040	372,523	91,326
JACKSONVILLE	27	61,837	1,018,324	7,326,517	1,266,954	<i>Percentage of equipment owned</i> ¹⁰					
<i>Classification of establishments</i>						General contractors.....	13	34,971	360,880	3,141,405	514,988
General contractors.....	16	42,823	818,486	6,283,569	981,306	51% to 75%.....	2	13,373	13,968	553,070	47,572
Building.....	10	9,786	51,860	1,083,780	179,031	76% to 99%.....	3	0,000	205,306	1,438,490	256,914
Highway.....	3	11,736	142,891	1,287,006	159,372	100%.....	7	15,598	185,406	1,072,822	199,058
Other classes ⁸	3	21,801	623,729	3,911,823	642,903	Not reported.....	1		1,200	76,414	11,444
Subcontractors.....	11	18,514	199,838	1,042,948	285,648	Subcontractors.....	6	1,210	41,040	372,523	91,326
Marble and tiling ⁹	3	305	9,872	268,994	49,986	76% to 99%.....	1		2,120	27,588	5,204
Dredging, river, harbor, etc. ⁸	3	17,144	170,794	550,604	165,652	100%.....	5	1,210	39,511	344,935	86,122
Other classes ⁹	5	975	19,172	214,450	70,010						

1 Includes grading; sewer, gas, water, conduit; dam and reservoir; levee; and foundation.
2 Includes excavating; and rental of equipment, trucking, etc.
3 Includes steel erection.
4 Includes carpentering and wood flooring; bridge and culvert; and flooring, n. e. s.
5 Includes operative builders.
6 Includes street paving; bridge and culvert; and dredging, river, harbor, etc.
7 Includes concreting; and flooring, n. e. s.
8 Includes excavating.
9 Includes electrical; heating and piping; roofing and sheet metal combined; bridge and culvert; and metal work, n. e. s.
10 For complete classification see tabulation for the State above.
11 Includes bridge and culvert; and street paving.
12 Includes foundation, principally for docks and piers.
13 Includes carpentering and wood flooring; painting and decorating; and metal work, n. e. s.
14 Includes highway and street paving; bridge and culvert; and levee.
15 Includes electrical; plumbing; steel erection; and marble and tiling.

CONSTRUCTION—FLORIDA

TABLE 7.—WAGE EARNERS, BY MONTHS, AND WAGES PAID DURING 1929

CLASSIFICATION OF ESTABLISHMENTS AND LENGTH OF WORKING WEEK	Estab-lish-ments reporting	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY												Wages paid during year
		January	February	March	April	May	June	July	August	September	October	November	December	
FLORIDA	250	6,092	5,394	5,142	5,682	6,877	7,590	8,284	8,741	7,488	7,452	7,577	6,500	\$8,265,901
<i>Classification of establishments</i>														
Operative builders	4	53	26	61	70	180	327	412	435	429	461	552	547	455,024
General contractors	153	4,974	4,547	4,311	4,728	5,720	6,300	6,890	7,192	5,092	5,401	5,404	4,804	6,001,470
Building	106	1,427	1,189	1,114	1,679	2,026	2,342	3,020	3,216	3,159	3,032	2,430	2,430	3,038,052
Building not specialized	77	1,107	878	834	1,136	1,552	1,913	2,214	2,227	2,312	2,448	2,430	2,043	2,387,801
Commercial building only	7	127	161	126	195	184	127	213	417	542	327	237	127	288,007
Residential building only	21	193	150	154	248	290	302	315	376	362	389	359	266	362,184
Highway	19	1,777	1,829	1,649	1,656	1,976	2,128	2,374	2,511	1,400	1,100	1,021	745	1,270,841
Bridge and culvert	7	359	206	201	241	278	300	229	206	266	320	320	172	345,482
Street paving	9	1,020	989	1,024	970	992	1,013	827	818	201	353	335	862	712,590
Dredging, river, harbor, etc.	7	306	267	220	284	319	350	331	390	362	446	430	384	400,396
Foundation ¹	3	66	50	70	69	80	84	113	84	100	100	140	123	114,222
Other classes ²	3	19	17	24	29	54	85	93	113	103	97	120	92	118,937
Subcontractors	93	1,065	821	770	884	977	963	982	1,114	1,347	1,530	1,621	1,049	1,800,407
Concreting and masonry	5	34	40	26	67	52	71	71	64	121	129	154	140	80,873
Electrical	12	83	72	71	68	66	75	73	85	102	119	135	140	190,645
Heating and plumbing	30	262	239	228	250	230	233	230	240	289	339	339	336	487,082
Plumbing	23	201	173	169	178	171	168	173	175	215	261	266	261	373,218
Plumbing and heating combined	7	61	66	59	72	59	65	57	64	74	78	73	74	114,404
Painting and decorating	3	189	49	17	17	11	20	16	26	80	135	183	150	160,663
Plastering and lathing	7	42	41	23	40	75	113	161	177	218	252	304	204	218,088
Roofing and sheet-metal work	12	134	134	112	132	101	146	134	164	142	185	163	161	192,038
Roofing	7	83	92	72	90	113	90	92	115	85	121	109	135	119,113
Roofing and sheet-metal combined	5	51	42	40	42	48	56	42	49	57	64	54	26	72,925
Steel erection	3	21	10	13	25	26	27	13	15	28	19	30	35	27,162
Marble and tiling	9	75	42	39	34	53	69	64	86	117	122	141	102	151,810
Grading ³	3	57	75	73	71	90	67	65	62	32	51	53	50	72,879
Dredging, river, harbor, etc.	3	111	58	111	111	122	84	87	131	204	196	128	107	145,257
Metal work, n. e. s. ⁴	3	20	15	17	28	20	23	23	23	22	19	26	32	43,353
Other classes ⁵	3	37	40	40	41	48	48	42	42	47	19	20	20	37,467
<i>Length of working week</i>														
General contractors ⁶	157	5,027	4,573	4,372	4,798	5,900	6,627	7,302	7,627	6,121	5,922	5,050	4,851	6,456,494
40-hour, 5-day week	15	350	195	90	239	311	271	339	386	424	537	610	500	479,124
45-hour, 5-day week	1	8	10	18	18	8	11	7	11	11	10	0	12	8,532
50-hour, 5-day week	1	71	77	24	76	90	87	126	103	93	108	82	96	64,893
All other 5-day week	138	4,598	4,291	4,230	4,243	5,281	6,056	6,836	7,198	5,677	5,275	4,428	4,339	5,875,165
44-hour, 5½-day week	51	546	441	543	743	944	1,290	1,373	1,394	1,581	1,621	1,649	1,274	1,514,123
49½-hour, 5½-day week	18	253	177	124	155	322	383	453	434	316	376	461	404	371,582
55-hour, 5½-day week	5	83	97	136	183	203	233	239	260	255	212	223	174	210,117
All other 5½-day week	10	86	112	187	209	282	400	576	650	666	645	619	409	710,046
48-hour, 6-day week	4	137	145	101	105	68	66	69	62	54	57	63	103	90,015
54-hour, 6-day week	22	410	432	366	478	512	494	551	738	887	722	752	526	689,780
60-hour, 6-day week	20	2,640	2,526	2,457	2,178	2,636	2,800	2,814	2,815	1,130	913	835	602	1,676,627
All other 6-day week	4	268	197	160	224	275	322	440	430	377	420	389	346	353,184
All other not designated	5	161	159	163	183	230	257	306	323	318	281	240	199	274,636
Not reported	1	5	5	3	7	18	7	9	9	9	14	12	26	7,936
Subcontractors	93	1,065	821	770	884	977	963	982	1,114	1,347	1,530	1,621	1,049	1,800,407
40-hour, 5-day week	30	414	226	182	203	243	287	352	377	443	604	710	760	765,735
45-hour, 5-day week	1	8	10	18	18	8	11	7	11	11	10	0	12	8,532
50-hour, 5-day week	1	71	77	24	76	90	87	126	103	93	108	82	96	64,893
All other 5-day week	61	546	441	543	743	944	1,290	1,373	1,394	1,581	1,621	1,649	1,274	1,514,123
44-hour, 5½-day week	18	253	177	124	155	322	383	453	434	316	376	461	404	371,582
49½-hour, 5½-day week	5	83	97	136	183	203	233	239	260	255	212	223	174	210,117
All other 5½-day week	10	86	112	187	209	282	400	576	650	666	645	619	409	710,046
48-hour, 6-day week	4	137	145	101	105	68	66	69	62	54	57	63	103	90,015
54-hour, 6-day week	22	410	432	366	478	512	494	551	738	887	722	752	526	689,780
60-hour, 6-day week	20	2,640	2,526	2,457	2,178	2,636	2,800	2,814	2,815	1,130	913	835	602	1,676,627
All other 6-day week	4	268	197	160	224	275	322	440	430	377	420	389	346	353,184
All other not designated	5	161	159	163	183	230	257	306	323	318	281	240	199	274,636
Not reported	1	5	5	3	7	18	7	9	9	9	14	12	26	7,936
JACKSONVILLE	30	1,624	1,446	1,456	1,339	1,474	1,453	1,406	1,166	759	746	713	578	1,253,891
<i>Classification of establishments</i>														
General contractors	17	1,427	1,285	1,249	1,148	1,231	1,261	1,211	948	437	460	494	383	958,790
Building	10	199	129	120	111	143	160	185	172	180	169	184	130	145,702
Building not specialized	7	170	99	84	77	112	162	167	149	163	146	164	111	105,483
Residential building only	3	29	30	36	34	31	28	28	23	23	23	20	19	40,219
Highway and street paving	4	1,019	1,034	1,012	900	940	918	837	750	217	246	264	212	601,672
Other classes ⁷	3	209	122	117	137	148	153	189	26	34	45	46	41	151,616
Subcontractors	13	197	161	206	191	243	192	195	218	322	286	219	195	295,101
Marble and tiling ⁸	3	25	35	33	22	32	36	30	24	62	45	43	42	49,986
Dredging, river, harbor, etc. ⁹	3	115	79	131	108	139	87	115	148	203	197	138	111	165,652
Metal work, n. e. s. ¹⁰	3	26	19	17	27	33	29	14	21	33	21	14	17	32,756
Other classes ¹¹	4	31	28	25	34	39	40	36	25	25	23	24	25	46,707
<i>Length of working week¹²</i>														
General contractors	17	1,427	1,285	1,249	1,148	1,231	1,261	1,211	948	437	460	494	383	958,790
44-hour, 5½-day week	4	67	33	62	45	57	105	112	99	107	85	60	38	63,680
49½-hour, 5½-day week	4	109	59	21	28	33	35	34	41	51	64	92	72	40,435
55-hour, 5½-day week	2	25	40	40	40	40	44	44	44	65	75	70	27	45,813
All other 5½-day week	1	15	15	18	18	18	18	18	18	18	18	18	18	28,296
48-hour, 6-day week	2	22	45	63	46	51	52	40	30	20	22	30	16	36,897
60-hour, 6-day week	4	1,189	1,053	1,055	971	1,032	1,007	963	710	167	196	224	212	743,660
Subcontractors	13	197	161	206	191	243	192	195	218	322	286	219	195	295,101
44-hour, 5½-day week	6	45	35	34	34	50	44	39	39	53	46	43	47	83,373
55-hour, 5½														

TABLE 7.—WAGE EARNERS, BY MONTHS, AND WAGES PAID DURING 1929—Continued

CLASSIFICATION OF ESTABLISHMENTS AND LENGTH OF WORKING WEEK	Estab-lish-ments reporting	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY												Wages paid during year
		Janu-ary	Febru-ary	March	April	May	June	July	August	Sep-tember	Oct-ober	Nov-ember	Dec-ember	
MIAMI	68	876	858	849	1,180	1,433	1,749	1,875	1,954	2,123	2,190	2,412	2,167	\$2,365,641
<i>Classification of establishments</i>														
General contractors ⁶	34	630	628	651	834	1,102	1,307	1,532	1,542	1,586	1,668	1,728	1,416	1,670,288
Building.....	25	238	262	340	525	712	968	1,037	1,069	1,080	1,053	1,165	897	1,149,408
Building not specialized ⁶	18	230	255	271	412	598	882	979	967	981	1,080	1,041	805	1,007,546
Commercial building only.....	4	4	4	30	66	54	25	46	56	70	57	90	61	54,261
Residential building only.....	3	4	3	30	47	60	61	62	46	29	16	34	31	27,601
Highway ¹³	5	178	180	163	177	167	164	155	177	237	216	266	211	208,483
Dredging, river, harbor, etc. ¹⁴	4	223	186	130	182	233	265	290	296	269	299	297	308	252,337
Subcontractors.....	34	240	230	198	296	331	352	343	412	537	622	684	751	685,353
Concreting and masonry.....	3	10	12	26	38	21	22	21	32	68	85	100	98	56,751
Electrical.....	5	33	28	26	27	33	40	50	62	76	89	89	89	86,192
Plumbing.....	8	68	70	68	81	80	89	95	89	107	115	138	137	182,000
Plastering and lathing.....	5	32	31	23	40	63	83	75	103	146	157	173	170	145,988
Roofing and sheet-metal work.....	6	62	63	48	66	82	60	65	83	74	116	101	126	101,621
Marble and tiling.....	4	12	12	11	9	24	32	26	34	56	46	39	72	44,614
Other classes ¹⁵	3	23	16	22	35	34	24	21	21	24	27	44	59	56,178
<i>Length of working week ¹²</i>														
General contractors ⁶	34	630	628	651	834	1,102	1,307	1,532	1,542	1,586	1,668	1,728	1,416	1,670,288
40-hour, 5-day week.....	1	1	1	1	1	1	1	1	13	19	2	15	46	10,157
44-hour, 5½-day week.....	17	146	175	203	342	470	668	733	664	718	698	773	582	706,777
49½-hour, 5½-day week.....	3	43	22	24	42	65	109	88	82	44	70	110	185	86,046
All other 5½-day week.....	5	53	69	128	147	181	109	272	318	303	289	266	93	357,988
54-hour, 6-day week.....	6	117	119	113	125	112	118	138	154	106	205	288	240	216,256
60-hour, 6-day week.....	1	90	91	81	78	68	72	68	68	56	24	20	10	92,572
All other 6-day week.....	1	189	152	102	150	203	231	243	243	250	280	247	261	200,702
Subcontractors.....	34	240	230	198	296	331	352	343	412	537	622	684	751	685,353
40-hour, 5-day week.....	16	102	94	95	121	153	171	180	201	269	291	329	374	370,302
44-hour, 5½-day week.....	14	108	110	78	140	144	145	130	180	226	274	295	302	230,645
49½-hour, 5½-day week.....	1	7	7	8	19	18	18	15	12	14	12	16	22	25,248
54-hour, 6-day week.....	2	19	15	13	12	12	14	14	15	24	41	40	49	50,805
60-hour, 6-day week.....	1	4	4	4	4	4	4	4	4	4	4	4	4	8,265
TAMPA	20	462	388	311	362	446	521	620	821	846	617	415	291	624,283
<i>Classification of establishments</i>														
General contractors ⁶	14	376	334	259	318	401	483	585	770	793	559	349	251	531,538
Building ⁶	9	287	253	165	226	280	314	385	548	632	402	185	138	305,386
Other classes ¹⁶	5	89	81	94	92	121	169	200	222	161	157	164	113	136,152
Subcontractors.....	6	76	52	52	44	44	38	35	51	52	58	66	40	92,745
Plumbing.....	3	29	23	24	25	24	21	20	18	31	31	24	16	44,754
Other classes ¹⁷	3	47	29	28	19	20	17	15	33	21	27	42	24	47,991
<i>Length of working week ¹²</i>														
General contractors ⁶	14	376	334	259	318	401	483	585	770	793	559	349	251	531,538
44-hour, 5½-day week.....	3	92	53	45	43	25	38	38	36	79	76	50	27	57,751
49½-hour, 5½-day week.....	3	42	23	25	24	95	126	127	90	40	37	13	51	83,993
55-hour, 5½-day week.....	1	30	20	10	40	50	60	60	70	50	30	20	20	48,000
54-hour, 6-day week.....	1	83	117	52	99	95	70	120	302	413	204	77	20	164,055
60-hour, 6-day week.....	3	55	62	60	56	74	105	46	81	83	84	99	47	92,729
All other 6-day week.....	2	34	19	34	36	47	64	154	141	78	73	65	66	73,423
All other not designated.....	1	40	40	35	20	15	20	40	50	50	55	25	20	61,587
Subcontractors.....	6	76	52	52	44	44	38	35	51	52	58	66	40	92,745
All other 5-day week.....	1	34	16	15	12	12	10	11	29	15	18	35	17	36,937
44-hour, 5½-day week.....	4	38	32	33	28	28	24	24	22	37	36	27	19	49,958
54-hour, 6-day week.....	1	4	4	4	4	4	4	4	4	4	4	4	4	5,850

¹ Includes grading; and levee.
² Includes sewer, gas, water, conduit; and dam and reservoir.
³ Includes excavating; and rental of equipment, trucking, etc.
⁴ Includes ornamental iron.
⁵ Includes bridge and culvert; and flooring, n. e. s.
⁶ Includes operative builders.
⁷ Includes bridge and culvert; sewer, gas, water, conduit; and dredging, river, harbor, etc.
⁸ Includes concreting; and flooring, n. e. s.
⁹ Includes excavating.
¹⁰ Includes roofing and sheet metal combined; and steel erection.
¹¹ Includes electrical; heating and piping; plumbing; and bridge and culvert.
¹² For complete classification see tabulation for the State above.
¹³ Includes bridge and culvert; and street paving.
¹⁴ Includes foundation, principally for docks and piers.
¹⁵ Includes painting and decorating; ornamental iron; and metal work, n. e. s.
¹⁶ Includes highway; bridge and culvert; street paving; and levee.
¹⁷ Includes electrical; steel erection; and marble and tiling.

CONSTRUCTION—FLORIDA

TABLE 8.—EXPENDITURES OF REPORTING ESTABLISHMENTS: 1929

CLASSIFICATION OF ESTABLISHMENTS	Es-tab-lish-ments re-ported	Value of con-struction busi-ness re-ported	PRINCIPAL ITEMS OF EXPEN-DITURE			OTHER ITEMS OF EXPENDITURE							
			Sub-con-tract work let	Wages paid	Cost of materials	Salaries		Rent for		Inter-est	Con-tract bond pre-miums	Com-pen-sation and li-ability in-sur-ance pre-miums	All other over-head ex-penses
						Propri-eters and firm mem-bers	Em-ploy-ees	Equip-ment	Offices, etc.				
FLORIDA	232	\$35,874,067	\$9,118,000	\$7,884,762	\$10,464,304	\$212,290	\$2,105,489	\$126,596	\$141,480	\$170,004	\$183,362	\$161,088	\$2,817,515
Operative builders.....	5	1,452,672	433,000	437,173	345,219	-----	55,210	1,500	1,600	15,663	-----	2,744	20,812
General contractors.....	142	28,782,413	8,645,000	5,728,804	7,822,082	127,420	1,634,737	92,041	72,065	136,013	170,366	134,301	2,330,981
Building.....	102	16,116,573	5,491,000	3,033,713	4,160,268	68,279	769,132	27,592	39,702	50,132	34,323	64,519	422,698
Building not specialized.....	70	11,970,598	4,420,000	2,420,130	3,184,399	56,619	535,611	24,900	28,452	40,740	30,748	50,462	314,948
Commercial building only.....	6	1,749,617	642,000	295,689	510,819	7,340	129,704	2,200	5,898	7,131	3,312	9,039	70,832
Residential building only.....	17	1,390,358	420,000	317,894	462,053	4,320	93,817	492	5,472	2,261	263	5,018	27,913
Highway.....	16	6,288,563	955,000	1,167,193	2,104,863	-----	461,576	16,477	11,990	34,497	59,182	28,398	793,365
Bridge and culvert.....	0	1,236,397	308,000	337,160	332,208	50,141	79,561	11,508	3,115	5,217	8,466	15,366	76,761
Street paving.....	8	3,985,483	1,823,000	686,190	821,144	-----	194,610	6,460	11,296	14,174	61,939	14,362	234,220
Dredging, river, harbor, etc.....	7	1,881,198	68,000	400,396	372,738	-----	127,163	11,368	5,512	20,293	10,739	10,853	737,334
Foundation.....	3	224,199	-----	114,222	24,861	-----	12,696	18,650	900	11,700	1,717	893	25,608
Subcontractors.....	85	5,488,982	40,000	1,718,715	2,297,003	84,870	415,542	33,055	67,159	18,328	6,996	24,553	450,722
Concreting and masonry.....	6	263,816	-----	96,587	109,390	13,852	14,765	4,258	1,200	2,886	782	1,664	15,093
Electrical.....	10	617,442	-----	195,241	290,093	10,687	41,063	-----	8,743	732	5	2,207	43,922
Heating and plumbing.....	25	1,728,151	3,000	424,978	816,469	14,349	151,731	515	27,529	6,291	1,760	5,083	156,480
Plumbing.....	19	1,249,180	3,000	317,894	501,098	11,229	92,008	35	18,944	6,592	1,022	3,817	118,163
Plumbing and heating combined.....	6	478,962	-----	107,084	225,371	3,120	68,823	480	8,588	609	738	1,260	38,317
Painting and decorating.....	4	277,176	-----	184,332	34,356	5,034	17,500	-----	1,559	571	-----	178	8,529
Plastering and lathing.....	7	452,413	27,000	218,088	147,182	11,000	21,248	-----	800	519	31	1,819	11,105
Roofing and sheet-metal work.....	12	594,193	-----	175,325	251,462	15,965	32,408	-----	12,958	1,561	150	4,854	37,620
Roofing.....	7	330,509	-----	102,400	140,844	12,901	14,000	-----	6,401	385	100	3,906	19,345
Roofing and sheet-metal combined.....	5	233,684	-----	72,925	110,618	3,064	18,408	-----	6,557	1,176	50	948	18,275
Marble and tiling.....	9	510,722	8,000	134,873	229,505	2,400	64,541	-----	10,393	917	25	734	43,594
Grading.....	3	158,740	-----	72,579	-----	2,080	17,620	24,743	917	1,218	27	1,106	32,014
Metal work, n. e. s. ¹	5	144,517	2,000	39,419	65,016	5,903	9,080	570	920	355	-----	450	9,732
Other classes ²	4	771,803	-----	177,293	353,530	3,600	45,586	2,969	2,200	2,597	4,216	6,392	98,633
JACKSONVILLE	30	7,131,650	2,811,000	1,232,580	2,059,434	67,328	361,074	3,314	18,667	31,012	78,888	36,775	321,039
General contractors.....	18	6,038,901	2,610,000	949,437	1,568,233	60,199	292,646	225	14,317	25,046	74,396	20,341	193,196
Building.....	14	1,358,121	480,000	240,503	416,517	11,780	74,688	226	6,167	9,787	6,616	7,066	25,106
Building not specialized.....	11	1,216,751	477,000	200,284	356,678	11,780	60,368	226	4,845	9,547	6,616	6,401	22,768
Residential building only.....	3	141,370	12,000	40,219	60,839	-----	14,320	-----	1,312	240	-----	665	2,348
Other classes ³	4	4,680,780	2,121,000	708,934	1,151,716	48,410	217,958	-----	8,160	15,259	67,780	22,275	168,090
Subcontractors.....	12	1,092,149	1,000	283,093	491,201	7,130	68,428	3,080	4,350	5,990	4,492	7,434	127,843
Marble and tiling.....	3	268,094	-----	49,930	159,053	-----	10,026	-----	1,323	2,630	10	684	28,864
Metal work, n. e. s. ⁴	3	141,484	1,000	32,750	76,318	-----	7,120	-----	480	574	50	456	10,978
Dredging, river, harbor, etc. ⁵	3	559,504	-----	105,652	211,298	-----	34,290	2,969	2,042	2,558	4,216	6,117	75,367
Other classes ⁶	3	122,167	-----	34,669	44,522	7,130	7,992	120	505	204	216	177	12,634
MIAMI	65	8,942,469	1,901,000	2,248,874	2,293,978	55,026	518,420	24,981	45,740	45,882	24,052	51,415	1,066,798
General contractors ¹⁰	30	6,810,785	1,864,000	1,571,266	1,370,759	-----	380,332	20,088	16,239	40,388	22,536	40,720	918,415
Building ¹⁰	21	4,545,590	1,774,000	1,035,454	1,035,454	-----	174,879	6,640	6,597	13,434	4,617	23,976	93,612
Highway ¹¹	5	1,157,789	90,000	208,483	292,638	-----	140,860	12,798	5,522	8,904	9,116	9,019	221,624
Dredging, river, harbor, etc. ¹²	4	1,107,400	-----	252,337	44,607	-----	64,596	650	4,120	18,060	8,803	6,825	803,179
Subcontractors.....	35	2,131,684	37,000	677,608	928,219	55,026	138,088	4,293	20,501	4,994	1,516	10,695	138,383
Concreting and masonry.....	4	170,733	-----	66,465	64,212	13,852	9,065	4,258	1,200	886	772	1,344	9,643
Electrical.....	5	320,261	-----	98,192	155,642	10,687	9,140	-----	4,035	464	-----	675	19,736
Plumbing.....	8	716,375	1,000	182,909	344,121	2,110	84,038	35	13,732	2,155	638	3,147	60,192
Plastering and lathing.....	5	311,413	27,000	145,088	93,282	5,000	10,248	-----	300	319	31	1,099	9,665
Roofing and sheet-metal work.....	0	266,226	-----	84,908	113,779	3,965	16,566	-----	6,557	592	50	3,892	15,172
Marble and tiling.....	4	196,913	8,000	44,614	98,586	-----	24,171	-----	2,430	545	25	433	12,451
Other classes ¹³	3	146,763	1,000	55,432	58,597	14,403	4,960	-----	1,247	33	-----	105	11,634
TAMPA	17	3,317,323	939,000	535,838	1,013,354	16,980	233,012	38,432	13,424	24,127	11,055	15,075	265,063
General contractors ¹⁰	14	3,137,158	939,000	483,538	931,877	13,580	262,412	38,432	10,784	24,062	11,055	14,413	242,587
Building ¹⁰	9	2,457,216	932,000	347,386	702,486	13,580	190,362	16,957	8,160	7,994	4,297	11,027	125,308
Other classes ¹⁴	5	679,942	7,000	136,152	229,392	-----	72,050	21,475	2,624	16,068	6,758	3,386	117,279
Subcontractors ¹⁵	3	180,168	-----	52,100	81,477	2,400	20,600	-----	2,640	65	-----	602	22,466

¹ Includes grading; and levee.
² Includes excavating; and rental of equipment, trucking, etc.
³ Includes steel erection; and ornamental iron.
⁴ Includes carpentering and wood flooring; bridge and culvert; dredging, river, harbor, etc.; and flooring, n. e. s.
⁵ Includes highway; bridge and culvert; street paving; and dredging, river, harbor, etc.
⁶ Includes concreting; and flooring, n. e. s.
⁷ Includes steel erection; and roofing and sheet-metal work.
⁸ Includes excavating.
⁹ Includes bridge and culvert; plumbing; and heating and piping.
¹⁰ Includes operative builders.
¹¹ Includes bridge and culvert; and street paving.
¹² Includes foundation, principally for docks and piers.
¹³ Includes carpentering and wood flooring; painting and decorating; and ornamental iron.
¹⁴ Includes highway; bridge and culvert; street paving; and levee.
¹⁵ Includes electrical; plumbing; and marble and tiling.

TABLE 9.—COST OF MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, BY KIND

KIND OF MATERIAL	COST OF MATERIALS REPORTED BY					KIND OF MATERIAL	COST OF MATERIALS REPORTED BY				
	All classes of establishments			General contractors ²	Sub-contractors		All classes of establishments			General contractors ²	Sub-contractors
	Amount	Per cent distribution	Per \$1,000 construction work done ¹				Amount	Per cent distribution	Per \$1,000 construction work done ¹		
FLORIDA					JACKSONVILLE—Continued						
All kinds of material.....	\$12,494,798		\$404.84	\$9,678,089	\$2,761,709	Distributed by kind—Continued.					
Distribution not reported.....	4,013,321	32.3		3,140,731	872,959	Lumber, rough and finished.....	\$125,739	6.8	\$31.65	\$125,239	\$500
Distributed by kind.....	8,421,477	100.0		6,532,358	1,890,119	Laths, shingles, and shakes (wood).....	1,151	1.1	29	980	221
Sand, gravel, stone, slag, cinders, etc.....	1,427,267	16.9	68.61	1,376,204	51,003	Millwork.....	49,149	2.6	12.37	49,149	
Brick (face, common, fire, paving, etc.).....	286,389	3.4	13.77	276,543	9,846	Composition board.....	889	(*)	14	889	
Tile (fireproofing).....	109,142	1.3	5.25	98,142	11,000	Waterproofing materials.....	557	(*)	1.14	557	
Tile, facing, terra cotta, floor, and wall.....	248,815	3.0	11.90	96,610	152,199	Hardware, rough and finished.....	17,413	9	4.38	17,413	
Concrete and cinder block.....	192,001	1.9	7.83	192,001		Paints, varnishes, glass.....	22,763	1.2	5.73	22,763	200
Cut stone, granite and marble.....	905,466	8.6	14.68	290,302	15,164	Roofing and sheet metal.....	31,242	1.7	7.86	12,130	10,112
Riprap, rubble, etc.....	180,472	2.1	8.68	14,174	169,298	Finished flooring (other than cement, wood, or tile).....	101,370	5.5	25.64	6,885	95,985
Cement.....	1,035,289	12.3	49.77	971,177	64,112	Screens, shades, awnings, etc.....	1,357	1	.34	1,357	
Lime.....	61,045	.7	2.94	40,110	20,926	Plumbing and gas fitting equipment.....	15,183	8	3.82	15,183	
Plaster, etc.....	128,902	1.5	6.20	80,364	48,528	Electrical appliances and supplies.....	14,970	8	3.77	2,870	12,100
Structural steel.....	158,583	1.9	7.62	122,982	35,601	Elevators, dumb-waiters, and equipment.....	5,834	3	1.47	5,834	
Reinforcing steel.....	282,163	3.4	13.57	277,030	5,133	Pipe: Drain tile, vitrified, concrete, segment tile, corrugated.....	6,000	3	1.51	6,000	
Cast iron, miscellaneous, excluding pipe.....	11,120	.1	.53	11,120		Wire cable, guards, and fencing.....	7,225	4	1.82	7,225	
Metal doors, windows, and trim.....	107,093	1.3	5.19	88,471	19,622	Bituminous paving materials, tar, asphalt, and oil.....	79,991	4.3	20.13	79,991	
Metal and wire lath and furring.....	50,144	.6	2.41	37,383	12,761	Wood piling and timber.....	10,462	0	2.64	9,215	1,247
Ornamental metal work.....	63,733	.8	3.06	59,023	4,710	Ready mixed concrete.....	620	(*)	.15	620	
Lumber, rough and finished.....	874,934	10.4	42.00	833,224	41,710	Freight, hauling or trucking to job.....	170,877	9.7	45.28	170,877	
Laths, shingles, and shakes (wood).....	25,115	.3	1.21	18,452	6,663	Metal products, n. e. s. (including metal furniture).....	1,665	.1	.42		1,665
Millwork.....	375,398	4.5	18.05	375,398		Mineral products (nonmetallic) n. e. s.....	165	(*)	.04	165	
Composition board.....	17,410	.2	.84	17,410		Miscellaneous.....	10,650	6	2.68	10,650	
Waterproofing materials.....	26,878	.3	1.29	23,323	3,555						
Hardware, rough and finished.....	219,867	2.6	10.57	219,867							
Paints, varnishes, glass.....	139,011	1.7	6.68	107,580	31,431						
Roofing and sheet metal.....	391,636	4.7	18.83	81,388	310,248						
Finished flooring (other than cement, wood, or tile).....	121,570	1.4	5.85	25,585	95,985						
Screens, shades, awnings, etc.....	26,372	.3	1.27	20,372	6,000						
Heating and ventilating equipment.....	33,467	.4	1.61	17,701	15,766						
Plumbing and gas fitting equipment.....	485,741	5.8	23.35	38,506	397,235						
Electrical appliances and supplies.....	305,762	4.7	10.02	53,793	341,969						
Elevators, dumb-waiters, and equipment.....	35,220	.4	1.69	35,220							
Pipe: Drain tile, vitrified, concrete, segment tile, corrugated.....	44,051	.5	2.12	38,351	5,700						
Pipe: Cast-iron, sheet and tube steel, etc.....	23,607	.3	1.13	19,807	3,800						
Wire cable, guards, and fencing.....	15,758	.2	.76	15,508	250						
Bituminous paving materials, tar, asphalt, and oil.....	140,768	1.7	6.77	140,768							
Wood piling and timber.....	54,045	.6	2.60	46,948	7,097						
Ready mixed concrete.....	620	(*)	.03	620							
Freight, hauling or trucking to job.....	187,575	2.2	9.02	187,575							
Metal products, n. e. s. (including metal furniture).....	85,370	1.0	4.11	83,705	1,665						
Mineral products (nonmetallic) n. e. s.....	165	(*)	.01	165							
Miscellaneous.....	81,623	1.0	3.92	72,478	9,145						
JACKSONVILLE					MIAMI						
All kinds of material.....	2,489,035		467.25	1,968,968	530,067	All kinds of material.....	2,605,016		338.31	1,568,884	1,046,132
Distribution not reported.....	632,861	25.4		517,810	115,041	Distribution not reported.....	651,385	25.0		341,673	309,712
Distributed by kind.....	1,856,184	100.0		1,441,158	415,026	Distributed by kind.....	1,953,631	100.0		1,217,211	736,420
Sand, gravel, stone, slag, cinders, etc.....	248,800	13.4	62.63	226,350	19,444	Sand, gravel, stone, slag, cinders, etc.....	137,140	7.0	23.75	118,135	19,005
Brick (face, common, fire, paving, etc.).....	67,228	3.6	16.92	67,028	200	Brick (face, common, fire, paving, etc.).....	28,038	1.4	4.85	22,440	5,598
Tile (fireproofing).....	5,454	.3	1.37	5,454		Tile (fireproofing).....	24,444	1.3	4.23	24,444	
Tile, facing, terra cotta, floor, and wall.....	33,589	1.8	8.40	8,461	25,128	Tile, facing, terra cotta, floor, and wall.....	96,603	4.9	16.74	11,079	85,614
Concrete and cinder block.....	801	(*)	.20	801		Concrete and cinder block.....	51,030	2.6	8.84	51,030	
Cut stone, granite and marble.....	13,485	.7	3.39	8,806	4,679	Cut stone, granite and marble.....	120,337	6.2	20.84	109,852	10,485
Riprap, rubble, etc.....	167,052	9.0	42.05	754	166,298	Riprap, rubble, etc.....	7,000	.4	1.21	7,000	
Cement.....	464,630	25.0	116.96	463,230	11,400	Cement.....	219,142	11.2	87.95	187,027	32,115
Lime.....	2,070	.1	.52	2,004	66	Lime.....	34,800	1.8	6.03	18,700	16,100
Plaster, etc.....	6,741	.4	1.70	6,741		Plaster, etc.....	42,557	2.2	7.37	15,129	27,428
Structural steel.....	60,106	3.2	15.14	27,066	32,501	Structural steel.....	13,004	.7	2.25	13,004	
Reinforcing steel.....	65,250	3.5	16.43	60,873	4,383	Reinforcing steel.....	41,084	2.1	7.11	41,084	
Cast iron, miscellaneous, excluding pipe.....	2,163	.1	.55	2,163		Cast iron, miscellaneous, excluding pipe.....	890	(*)	.10	890	
Metal doors, windows, and trim.....	25,528	1.4	6.42	0,000	19,522	Metal doors, windows, and trim.....	14,681	.8	2.54	14,681	
Metal and wire lath and furring.....	2,995	.2	.75	2,620	375	Metal and wire lath and furring.....	25,356	1.3	4.30	14,970	10,386
Ornamental metal work.....	5,464	.3	1.37	5,464		Ornamental metal work.....	8,836	.5	1.53	4,129	4,710
						Lumber, rough and finished.....	251,617	12.9	43.57	250,547	1,070
						Laths, shingles, and shakes (wood).....	7,162	.4	1.24	2,720	4,442
						Millwork.....	80,004	4.0	15.41	80,004	
						Composition board.....	779	(*)	.14	779	
						Waterproofing materials.....	7,050	.4	1.22	3,495	3,555
						Hardware, rough and finished.....	83,970	4.3	14.54	83,970	
						Paints, varnishes, glass.....	34,142	1.7	5.91	28,780	5,362
						Roofing and sheet metal.....	190,370	9.8	33.05	6,941	183,929
						Finished flooring (other than cement, wood, or tile).....	1,986	.1	.35	1,986	
						Screens, shades, awnings, etc.....	5,694	.3	.98	5,694	
						Heating and ventilating equipment.....	3,550	.2	.62	3,550	
						Plumbing and gas fitting equipment.....	168,273	8.6	20.14	11,275	156,998
						Electrical appliances and supplies.....	167,116	8.0	28.94	11,474	155,642
						Pipe: Drain tile, vitrified, concrete, segment tile, corrugated.....	8,435	.4	1.46	3,335	5,100
						Pipe: Cast-iron, sheet and tube steel, etc.....	3,195	.2	.55	3,195	
						Wire cable, guards, and fencing.....	435	(*)	.07	435	
						Bituminous paving materials, tar, asphalt, and oil.....	8,660	.4	1.50	8,660	
						Wood piling and timber.....	7,942	.4	1.38	7,942	
						Metal products, n. e. s. (including metal furniture).....	7,534	.4	1.31	7,534	
						Miscellaneous.....	41,185	2.1	7.13	32,304	8,881

See footnotes at end of table.

CONSTRUCTION—FLORIDA

TABLE 9.—COST OF MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, BY KIND—Continued

KIND OF MATERIAL	COST OF MATERIALS REPORTED BY					KIND OF MATERIAL	COST OF MATERIALS REPORTED BY					
	All classes of establishments			General contractors ²	Subcontractors		All classes of establishments			General contractors ²	Subcontractors	
	Amount	Per cent distribution	Per \$1,000 construction work done ¹				Amount	Per cent distribution	Per \$1,000 construction work done ¹			
TAMPA						TAMPA—Continued						
All kinds of material.....	\$1,233,005		\$436.77	\$971,877	\$201,128	Distributed by kind—Continued.						
Distribution not reported.....	191,391	15.5		59,378	132,013	Millwork.....	\$40,380	4.7	\$20.71	\$49,380		
Distributed by kind.....	1,041,614	100.0		912,499	129,115	Composition board.....	512	(*)	21	512		
Sand, gravel, stone, slag, cinders, etc.....	132,354	12.7	55.50	132,354		Waterproofing materials.....	11,826	1.1	4.90	11,826		
Brick (face, common, fire, paving, etc.).....	99,476	9.6	41.71	99,476		Hardware, rough and finished.....	28,084	2.7	11.78	28,084		
Tile (fireproofing).....	32,502	3.1	13.03	32,502		Paints, varnishes, glass.....	14,650	1.4	6.14	14,250	\$400	
Tile, facing, terra cotta, floor, and wall.....	61,476	5.9	25.78	45,476	16,000	Roofing and sheet metal.....	17,252	1.7	7.23	16,252	1,000	
Concrete and cinder block.....	59,126	5.7	24.79	59,126		Finished flooring (other than cement, wood, or tile).....	3,325	.3	1.39	3,325		
Cut stone, granite and marble.....	54,600	5.2	22.90	54,600		Screens, shades, awnings, etc.....	3,450	.3	1.45	3,450		
Riprap, rubble, etc.....	5,000	.5	2.10	5,000		Heating and ventilating equipment.....	8,621	.8	3.62	2,314	6,307	
Cement.....	65,359	6.3	27.41	65,359		Plumbing and gas fitting equipment.....	40,907	3.9	17.15	2,641	38,266	
Lime.....	5,211	.5	2.18	5,211		Electrical appliances and supplies.....	72,788	7.0	30.51	7,626	65,162	
Plaster, etc.....	17,617	1.7	7.39	17,617		Elevators, dumb-waiters, and equipment.....	3,106	.3	1.30	3,106		
Structural steel.....	10,987	1.1	4.61	10,987		Pipe: Drain tile, vitrified, concrete, segment tile, corrugated.....	10,000	1.0	4.19	10,000		
Reinforcing steel.....	24,973	2.4	10.47	24,973		Wire cable, guards, and fencing.....	86	(*)	.03	86		
Cast iron, miscellaneous, excluding pipe.....	3,225	.3	1.35	3,225		Bituminous paving materials, tar, asphalt, and oil.....	15,000	1.4	6.29	15,000		
Metal doors, windows, and trim.....	29,421	2.8	12.34	29,421		Wood piling and timber.....	5,144	.5	2.10	5,144		
Metal and wire lath and furring.....	5,791	.6	2.43	5,791		Metal products, n. e. s. (including metal furniture).....	5,380	.5	2.20	5,380		
Ornamental metal work.....	19,233	1.8	8.00	19,233		Miscellaneous.....	23,903	2.3	10.02	23,903		
Lumber, rough and finished.....	94,969	9.1	39.82	92,969	2,000							
Laths, shingles, and shakes (wood).....	6,900	.7	2.89	6,900								

¹ The value of construction work done is obtained from figures presented in Table 1, by subtracting the value of subcontract work let from the total value of construction business.

² Includes operative builders.

³ The percentage of total cost shown for this item is high because establishments located within this area reported that the large part of their construction work (on which these materials were used) was done on contracts outside this area.

⁴ Less than one-tenth of 1 per cent.

⁵ The percentage of total cost shown for this item is high because the business of establishments reporting this material constituted a large part of the total business reported for this area.

TABLE 10.—COMPARISON OF COST OF DESIGNATED MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, WITH COST OF MATERIALS AND VALUE OF CONSTRUCTION BUSINESS

[Based exclusively upon reports of establishments which gave the distributed cost of materials]

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹		
	Cost of all materials distributed by kind	Percent of—		Amount				Cost of all distributed materials	Cost of all materials distributed by kind	Percent of—				Amount	Cost of all distributed materials
		Total cost	Cost of distributed materials							Total cost	Cost of distributed materials				
FLORIDA						FLORIDA—Continued									
<i>Sand, gravel, stone, slag, cinders, etc.²</i>						<i>Riprap, rubble, etc.</i>									
All classes.....	\$8,421,477	\$1,427,267	100.0	16.9	\$28,362,101	75.7	All classes.....	\$8,421,477	\$180,472	100.0	2.1	\$28,362,101	75.7		
General contractors ³	6,532,358	1,376,264	96.4	21.1	23,997,222	71.3	General contractors ³	4,160,864	14,174	7.0	0.9	23,614,111	71.3		
Building.....	3,674,103	295,623	20.7	8.0	13,448,191	64.4	Building.....	43,302,000	1,420	0.8	(*)	11,905,080	68.0		
Building not specialized ⁴	2,882,272	249,048	17.5	8.7	10,949,872	64.1	Building not specialized ⁴	2,510,778	1,420	0.8	1.1	3,468,761	63.4		
Commercial building only.....	471,765	30,837	2.2	6.5	1,637,366	63.8	Bridge and culvert.....	332,208	754	0.4	2.2	1,236,397	77.4		
Residential building only.....	320,066	14,838	1.0	4.6	860,953	67.9	Street paving.....	851,744	12,000	6.6	1.4	4,045,119	58.7		
Highway.....	1,419,065	863,542	60.5	00.9	4,530,132	86.3	Subcontractors.....	1,889,119	166,298	92.1	8.8	4,364,879	99.3		
Bridge and culvert.....	332,208	71,255	5.0	21.4	1,236,397	77.4	Dredging, river, harbor, etc.....	173,792	166,298	92.1	06.7	400,623	100.0		
Street paving.....	851,744	118,787	8.3	13.9	4,045,119	58.7	Cement⁵								
Sewer, gas, water, conduit.....	37,816	8,262	0.6	21.7	72,762	100.0	All classes.....	8,421,477	1,035,289	100.0	12.3	28,362,101	75.7		
Dredging, river, harbor, etc.....	192,561	17,549	1.2	9.1	576,422	96.6	General contractors ³	6,532,358	971,177	93.8	14.0	23,997,222	71.3		
Foundation.....	24,861	1,306	0.1	5.3	88,199	100.0	Building.....	3,674,103	319,206	30.8	8.7	13,448,191	64.4		
Subcontractors.....	1,889,119	51,093	3.6	2.7	4,364,879	99.3	Building not specialized ⁴	2,882,272	274,501	26.5	9.6	10,949,872	64.1		
Concreting.....	84,267	32,853	2.3	30.0	185,749	100.0	Commercial building only.....	471,765	26,261	2.5	5.6	1,637,366	63.8		
Masonry.....	12,000	2,000	0.1	16.7	53,000	100.0	Residential building only.....	320,066	18,444	1.8	5.8	860,953	67.9		
Plastering and lathing.....	137,682	4,437	0.3	3.2	423,413	94.0	Highway.....	1,419,065	119,013	11.5	8.4	4,530,132	86.3		
Roofing and sheet-metal work.....	439,375	223	(*)	0.1	603,304	100.0	Bridge and culvert.....	332,208	87,830	8.5	26.4	1,236,397	77.4		
Roofing.....	210,757	223	(*)	0.1	450,440	100.0	Street paving.....	851,744	410,429	30.6	48.2	4,045,119	58.7		
Marble and tiling.....	170,508	9,594	0.7	5.6	307,476	98.4	Sewer, gas, water, conduit.....	37,816	2,297	2.0	6.1	72,762	100.0		
Bridge and culvert.....	41,397	1,000	0.1	2.4	79,774	98.3	Dredging, river, harbor, etc.....	192,561	30,036	2.9	15.6	576,422	96.6		
Dredging, river, harbor, etc.....	173,792	864	0.1	0.6	400,623	100.0	Foundation.....	24,861	2,366	0.2	9.5	88,199	100.0		
Brick (face, common, fire, paving, etc.)						Plaster, etc.									
All classes.....	8,421,477	280,389	100.0	3.4	28,362,101	75.7	All classes.....	8,421,477	128,992	100.0	1.5	28,362,101	75.7		
General contractors ³	6,532,358	276,543	96.0	4.2	23,997,222	71.3	General contractors ³	6,532,358	80,364	62.3	1.2	23,997,222	71.3		
Building.....	3,674,103	186,954	65.3	5.1	13,448,191	64.4	Building.....	3,674,103	70,164	61.4	2.0	13,448,191	64.4		
Building not specialized ⁴	2,882,272	135,798	47.4	4.7	10,949,872	64.1	Building not specialized ⁴	2,882,272	50,750	44.0	2.0	10,949,872	64.1		
Commercial building only.....	471,765	39,599	13.8	8.4	1,637,366	63.8	Commercial building only.....	471,765	14,914	11.6	3.2	1,637,366	63.8		
Residential building only.....	320,066	11,557	4.0	3.6	860,953	67.9	Residential building only.....	320,066	7,494	5.8	2.3	860,953	67.9		
Highway.....	1,419,065	6,290	2.2	0.4	4,530,132	86.3	Street paving.....	851,744	1,200	0.9	1.1	4,045,119	58.7		
Bridge and culvert.....	332,208	7,450	2.6	2.2	1,236,397	77.4	Subcontractors.....	1,889,119	48,628	37.7	2.6	4,364,879	99.3		
Street paving.....	851,744	75,000	26.2	8.8	4,045,119	58.7	Plastering and lathing.....	137,682	48,628	37.7	35.3	423,413	94.0		
Sewer, gas, water, conduit.....	37,816	767	0.3	2.0	72,762	100.0	Structural steel								
Dredging, river, harbor, etc.....	192,561	82	(*)	(*)	576,422	96.6	All classes.....	8,421,477	158,583	100.0	1.9	28,362,101	75.7		
Subcontractors.....	1,889,119	9,840	3.4	0.5	4,364,879	99.3	General contractors ³	6,532,358	122,982	77.6	4.2	23,997,222	71.3		
Concreting.....	84,267	3,646	1.3	4.3	185,749	100.0	Building.....	3,674,103	93,044	58.7	2.5	13,448,191	64.4		
Masonry.....	12,000	2,000	0.7	16.7	53,000	100.0	Building not specialized ⁴	2,882,272	84,375	53.2	2.9	10,949,872	64.1		
Plastering and lathing.....	137,682	4,000	1.4	2.9	423,413	94.0	Commercial building only.....	471,765	6,600	4.2	1.4	1,637,366	63.8		
Marble and tiling.....	170,508	200	0.1	0.1	307,476	98.4	Residential building only.....	320,066	2,060	1.3	0.6	860,953	67.9		
Tile, facing, terra cotta, floor, and wall						Reinforcing steel									
All classes.....	8,421,477	248,815	100.0	3.0	28,362,101	75.7	All classes.....	8,421,477	282,163	100.0	3.4	28,362,101	75.7		
General contractors ³	6,532,358	96,019	38.8	1.5	23,997,222	71.3	General contractors ³	6,532,358	277,030	98.2	4.2	23,997,222	71.3		
Building.....	3,674,103	96,119	38.6	2.0	13,448,191	64.4	Building.....	3,674,103	145,404	51.5	4.0	13,448,191	64.4		
Building not specialized ⁴	2,882,272	40,597	16.3	1.4	10,949,872	64.1	Building not specialized ⁴	2,882,272	124,029	44.3	4.3	10,949,872	64.1		
Commercial building only.....	471,765	43,439	17.5	9.2	1,637,366	63.8	Commercial building only.....	471,765	10,451	5.8	3.5	1,637,366	63.8		
Residential building only.....	320,066	12,083	4.9	3.8	860,953	67.9	Residential building only.....	320,066	4,024	1.4	1.8	860,953	67.9		
Street paving.....	851,744	500	0.2	1.1	4,045,119	58.7	Highway.....	1,419,065	6,105	2.2	0.4	4,530,132	86.3		
Subcontractors.....	1,889,119	152,106	61.2	8.1	4,364,879	99.3	Bridge and culvert.....	332,208	62,323	22.1	18.8	1,236,397	77.4		
Concreting.....	84,267	5,203	2.1	6.2	185,749	100.0	Street paving.....	851,744	35,500	12.7	4.2	4,045,119	58.7		
Heating and plumbing.....	431,383	200	0.1	(*)	920,842	99.8	Sewer, gas, water, conduit.....	37,816	2,078	7.5	5.7	72,762	100.0		
Plumbing.....	431,383	200	0.1	(*)	920,842	99.8	Dredging, river, harbor, etc.....	192,561	23,139	8.2	12.0	576,422	96.6		
Marble and tiling.....	170,508	146,793	59.0	86.1	307,476	98.4	Foundation.....	24,861	2,182	8.8	8.8	88,199	100.0		
Concrete and cinder block						Subcontractors.....									
All classes.....	8,421,477	102,901	100.0	1.9	28,362,101	75.7	Steel erection.....	1,889,119	35,601	22.4	1.9	4,364,879	99.3		
General contractors ³	6,532,358	102,901	100.0	2.5	23,997,222	71.3	Metal work, n. e. s.....	22,892	21,592	13.6	04.3	70,700	100.0		
Building.....	3,674,103	104,796	64.3	2.9	13,448,191	64.4	Reinforcing steel.....	37,414	14,009	8.8	37.4	48,628	99.3		
Building not specialized ⁴	2,882,272	95,267	58.5	3.3	10,949,872	64.1	See footnotes at end of table.								
Commercial building only.....	471,765	3,346	2.1	7.7	1,637,366	63.8									
Residential building only.....	320,066	6,183	3.8	1.9	860,953	67.9									
Highway.....	1,419,065	57,928	35.0	4.1	4,530,132	86.3									
Street paving.....	851,744	170	0.1	(*)	4,045,119	58.7									

TABLE 10.—COMPARISON OF COST OF DESIGNATED MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, WITH COST OF MATERIALS AND VALUE OF CONSTRUCTION BUSINESS—Continued

[Based exclusively upon reports of establishments which gave the distributed cost of materials]

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹		
	Cost of all materials distributed by kind	Per cent of—		Total cost				Cost of all distributed materials	Cost of all materials distributed by kind	Per cent of—				Total cost	Cost of all distributed materials
		Amount	Total cost							Amount	Total cost				
FLORIDA—Continued						FLORIDA—Continued									
Lumber, rough and finished						Plumbing and gas fitting equipment									
All classes.....	\$8,421,477	\$874,934	100.0	10.4	\$28,362,101	75.7	All classes.....	\$8,421,477	\$485,741	100.0	5.8	\$28,362,101	75.7		
General contractors ³	6,532,358	833,224	95.2	12.8	23,997,222	71.3	General contractors ³	6,532,358	88,506	18.2	1.4	23,997,222	71.3		
Building.....	3,074,103	636,922	72.8	17.3	13,448,191	64.4	Building.....	3,074,103	61,032	12.7	1.7	13,448,191	64.4		
Building not specialized ³	2,882,272	467,441	53.4	16.2	10,949,872	64.1	Building not specialized ³	2,882,272	42,597	8.8	1.5	10,949,872	64.1		
Commercial building only.....	471,765	64,502	7.4	13.7	1,637,366	63.8	Residential building only.....	320,066	19,985	3.9	0.0	860,953	67.9		
Residential building only.....	320,066	104,979	12.0	32.8	800,953	67.9	Bridge and culvert.....	332,208	2,476	0.7	1.2	1,236,397	77.4		
Highway.....	1,419,065	62,996	7.2	4.4	4,530,132	86.3	Street paving.....	851,744	10,191	2.5	1.2	4,045,119	58.7		
Bridge and culvert.....	332,208	39,716	4.5	12.0	1,236,397	77.4	Sewer, gas, water, conduit.....	37,816	14,157	2.0	37.4	72,762	100.0		
Street paving.....	851,744	58,453	6.7	6.9	4,045,119	58.7	Subcontractors.....	1,880,119	307,235	81.8	21.0	4,364,879	99.3		
Sewer, gas, water, conduit.....	37,816	1,336	0.2	3.5	72,762	100.0	Heating and plumbing.....	431,383	307,235	81.8	92.1	920,842	99.8		
Dredging, river, harbor, etc.....	192,561	23,906	2.7	12.4	576,422	96.6	Plumbing.....	431,383	397,235	81.8	92.1	920,842	99.8		
Foundation.....	24,861	9,895	1.1	30.8	88,199	100.0	Electrical appliances and supplies								
Subcontractors.....	1,880,119	41,710	4.8	2.2	4,364,879	99.3	All classes.....	8,421,477	395,762	100.0	4.7	28,362,101	75.7		
Concreting.....	84,267	640	0.1	0.8	185,749	100.0	General contractors ³	6,532,358	53,793	13.0	0.8	23,997,222	71.3		
Heating and plumbing.....	431,383	3,070	0.4	0.7	920,842	99.8	Building.....	3,074,103	50,250	12.7	1.4	13,448,191	64.4		
Plumbing.....	431,383	3,070	0.4	0.7	920,842	99.8	Building not specialized ³	2,882,272	44,900	11.3	1.0	10,949,872	64.1		
Bridge and culvert.....	41,997	38,000	4.3	91.8	79,774	96.3	Residential building only.....	320,066	5,350	1.4	1.7	860,953	67.9		
							Bridge and culvert.....	332,208	1,109	0.3	0.4	1,236,397	77.4		
							Street paving.....	851,744	2,035	0.5	0.2	4,045,119	58.7		
							Sewer, gas, water, conduit.....	37,816	339	0.1	0.9	72,762	100.0		
							Subcontractors.....	1,880,119	341,069	86.4	18.1	4,364,879	99.3		
							Electrical.....	334,358	374,358	84.5	100.0	920,842	99.8		
							Heating and plumbing.....	431,383	7,011	1.9	1.8	920,842	99.8		
							Plumbing.....	431,383	7,011	1.9	1.8	920,842	99.8		
							Bituminous paving materials, tar, asphalt, and oil								
							All classes.....	8,421,477	140,708	100.0	1.7	28,362,101	75.7		
							General contractors.....	6,160,804	140,708	100.0	2.3	22,514,111	71.3		
							Building.....	3,302,609	858	0.6	(9)	11,965,080	69.9		
							Building not specialized.....	2,510,778	623	0.4	(9)	9,496,701	69.4		
							Commercial building only.....	320,066	235	0.2	0.1	800,953	67.0		
							Residential building only.....	1,419,065	04,901	45.8	4.5	4,530,132	86.3		
							Highway.....	332,208	3,733	2.7	1.1	1,236,397	77.4		
							Bridge and culvert.....	851,744	71,060	50.0	8.4	4,045,119	58.7		
							Street paving.....								
							JACKSONVILLE								
							Sand, gravel, stone, slag, cinders, etc.²								
							All classes.....	1,856,184	248,800	100.0	13.4	6,335,933	66.8		
							General contractors.....	1,441,158	229,356	92.2	15.9	5,516,834	61.1		
							Building.....	280,442	22,161	8.9	7.7	836,054	64.7		
							Building not specialized.....	229,603	21,585	8.7	9.4	694,684	60.6		
							Residential building only.....	59,839	579	0.2	1.0	141,370	91.5		
							Highway.....	415,490	175,851	70.7	42.3	768,957	91.9		
							Bridge and culvert.....	82,523	18,844	7.6	22.8	554,356	55.1		
							Street paving.....	633,850	12,500	5.0	2.0	3,285,000	47.7		
							Subcontractors.....	415,026	19,444	7.8	4.7	819,099	99.9		
							Concreting.....	27,000	15,200	6.1	56.3	63,423	100.0		
							Marble and tiling.....	36,078	4,244	1.7	11.8	68,546	100.0		
							Brick (face, common, fire, paving, etc.)								
							All classes.....	1,856,184	67,228	100.0	3.6	6,335,933	66.8		
							General contractors.....	1,441,158	67,028	99.7	4.7	5,516,834	61.1		
							Building.....	280,442	25,815	38.4	8.0	836,054	64.7		
							Building not specialized.....	229,603	22,499	33.5	9.8	694,684	60.6		
							Residential building only.....	59,839	3,316	4.9	5.6	141,370	91.5		
							Highway.....	415,490	6,213	9.2	1.5	768,957	91.9		
							Street paving.....	633,850	35,000	52.1	5.5	3,285,000	47.7		
							Subcontractors.....	415,026	200	0.3	(9)	819,099	99.9		
							Marble and tiling.....	36,078	200	0.3	0.0	68,546	100.0		
							Tile, facing, terra cotta, floor, and wall								
							All classes.....	1,856,184	33,589	100.0	1.8	6,335,933	66.8		
							General contractors.....	1,441,158	8,461	25.2	0.6	5,516,834	61.1		
							Building.....	280,442	7,961	23.7	2.8	836,054	64.7		
							Building not specialized.....	229,603	7,961	23.7	3.5	694,684	60.6		
							Residential building only.....	59,839	500	1.5	1.1	3,285,000	47.7		
							Street paving.....	633,850	500	1.5	1.1	3,285,000	47.7		
							Subcontractors.....	415,026	25,128	74.8	6.1	819,099	99.9		
							Marble and tiling.....	36,078	25,128	74.8	60.6	68,546	100.0		

See footnotes at end of table.

TABLE 10.—COMPARISON OF COST OF DESIGNATED MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, WITH COST OF MATERIALS AND VALUE OF CONSTRUCTION BUSINESS—Continued

[Based exclusively upon reports of establishments which gave the distributed cost of materials]

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹
	Cost of all materials distributed by kind	Amount	Per cent of—					Cost of all materials distributed by kind	Amount	Per cent of—			
			Total cost	Cost of all distributed materials						Total cost	Cost of all distributed materials		
JACKSONVILLE—Continued						JACKSONVILLE—Continued							
<i>Riprap, rubble, etc.</i>						<i>Roofing and sheet metal</i>							
All classes.....	\$1,856,184	\$167,052	100.0	9.0	\$6,335,933	66.8	All classes.....	\$1,856,184	\$31,242	100.0	1.7	\$6,335,933	66.8
General contractors.....	1,441,158	754	.5	.1	5,516,834	61.1	General contractors.....	1,441,158	12,180	38.8	.8	5,516,834	61.1
Building.....	82,523	754	.9	.1	554,356	55.1	Building.....	289,442	11,111	35.6	3.8	836,054	64.7
Building not specialized.....							Building not specialized.....	229,603	9,791	31.3	4.3	694,684	60.6
Residential building only.....							Residential building only.....	59,839	1,320	4.2	2.2	141,370	91.5
Subcontractors.....	415,026	166,298	99.5	40.1	810,099	99.9	Bridge and culvert.....	82,523	1,019	3.3	1.2	554,356	55.1
Dredging, river, harbor, etc.....	166,298	166,298	99.5	100.0	354,548	100.0	Subcontractors.....	415,026	19,112	61.2	4.6	819,099	99.9
<i>Cement²</i>						<i>Roofing and sheet-metal work</i>							
All classes.....	1,856,184	494,630	100.0	25.0	6,335,933	66.8	Roofing and sheet metal combined.....	19,112	19,112	61.2	100.0	52,956	100.0
General contractors.....	1,441,158	453,230	97.5	31.4	5,516,834	61.1	<i>Finished flooring (other than cement, wood, or tile)</i>						
Building.....	289,442	20,317	4.4	7.0	836,054	64.7	All classes.....	1,856,184	101,870	100.0	5.5	6,335,933	66.8
Building not specialized.....	229,603	20,166	4.3	8.8	694,684	60.6	General contractors.....	1,441,158	5,885	5.8	.4	5,516,834	61.1
Residential building only.....	59,839	151	.3	.3	141,370	91.5	Building.....	289,442	5,885	5.8	2.0	836,054	64.7
Highway.....	415,490	1,040	.2	.3	708,957	91.9	Building not specialized.....	229,603	5,885	5.8	2.6	694,684	60.6
Bridge and culvert.....	82,523	31,873	6.9	38.6	554,356	55.1	Subcontractors.....	415,026	95,985	94.2	23.1	819,099	99.9
Street paving.....	633,850	400,000	86.1	63.1	3,285,000	47.7	Flooring, n. e. s.....	95,985	95,985	94.2	100.0	147,025	100.0
Subcontractors.....	415,026	11,400	2.5	2.7	819,099	99.9	<i>Bituminous paving materials, tar, asphalt, and oil</i>						
Concreting.....	27,000	10,800	2.3	40.0	53,423	100.0	All classes.....	1,856,184	79,991	100.0	4.3	6,335,933	66.8
Marble and tiling.....	36,078	600	.1	1.7	68,546	100.0	General contractors.....	1,441,158	79,991	100.0	5.6	5,516,834	61.1
<i>Structural steel</i>						<i>Sand, gravel, stone, slag, cinders, etc.³</i>							
All classes.....	1,856,184	60,166	100.0	3.2	6,335,933	66.8	All classes.....	1,953,631	137,140	100.0	7.0	7,189,125	78.7
General contractors.....	1,441,158	27,665	46.0	1.9	5,516,834	61.1	General contractors.....	1,217,211	118,135	86.1	9.7	5,469,787	72.5
Building.....	289,442	17,665	20.4	6.1	836,054	64.7	Building.....	1,037,016	78,474	57.2	7.6	4,486,133	61.8
Building not specialized.....	229,603	17,537	29.1	7.6	694,684	60.6	Building not specialized.....	821,281	71,753	52.3	7.8	4,167,409	60.8
Residential building only.....	59,839	123	.2	.2	141,370	91.5	Commercial building only.....	43,101	3,692	2.7	8.6	165,085	78.2
Street paving.....	633,850	10,000	16.6	1.6	3,285,000	47.7	Residential building only.....	72,634	3,029	2.2	4.2	163,639	65.6
Subcontractors.....	415,026	32,501	54.0	7.8	819,099	99.9	Highway.....	35,789	210	.2	.6	390,185	92.7
Steel erection.....	19,792	18,492	30.7	93.4	40,000	100.0	Bridge and culvert.....	50,258	8,107	5.9	16.1	205,700	87.4
Metal work, n. e. s.....	37,414	14,009	23.3	37.4	48,528	98.0	Street paving.....	46,000	23,500	17.1	50.4	156,200	96.2
<i>Reinforcing steel</i>						<i>Dredging, river, harbor, etc.</i>							
All classes.....	1,856,184	65,256	100.0	3.5	6,335,933	66.8	Foundation.....	24,861	1,306	1.0	5.3	88,199	100.0
General contractors.....	1,441,158	60,873	93.3	4.2	5,516,834	61.1	<i>MIAMI</i>						
Building.....	289,442	9,313	14.3	3.2	836,054	64.7	<i>Sand, gravel, stone, slag, cinders, etc.³</i>						
Building not specialized.....	229,603	9,076	13.9	4.0	694,684	60.6	All classes.....	1,953,631	137,140	100.0	7.0	7,189,125	78.7
Residential building only.....	59,839	237	.4	.4	141,370	91.5	General contractors.....	1,217,211	118,135	86.1	9.7	5,469,787	72.5
Bridge and culvert.....	82,523	16,560	25.4	20.1	554,356	55.1	Building.....	1,037,016	78,474	57.2	7.6	4,486,133	61.8
Street paving.....	633,850	35,000	53.0	5.5	3,285,000	47.7	Building not specialized.....	821,281	71,753	52.3	7.8	4,167,409	60.8
Subcontractors.....	415,026	4,383	6.7	1.1	819,099	99.9	Commercial building only.....	43,101	3,692	2.7	8.6	165,085	78.2
Concreting.....	27,000	500	.8	1.9	53,423	100.0	Residential building only.....	72,634	3,029	2.2	4.2	163,639	65.6
Metal work, n. e. s.....	37,414	3,883	6.0	10.4	48,528	98.0	Highway.....	35,789	210	.2	.6	390,185	92.7
<i>Metal doors, windows, and trim</i>						<i>Bridge and culvert.....</i>							
All classes.....	1,856,184	25,528	100.0	1.4	6,335,933	66.8	Street paving.....	46,000	23,500	17.1	50.4	156,200	96.2
General contractors.....	1,441,158	6,006	23.5	.4	5,516,834	61.1	Dredging, river, harbor, etc.....	22,696	6,538	4.8	28.8	133,340	98.2
Building.....	289,442	4,006	15.7	1.4	836,054	64.7	Foundation.....	24,861	1,306	1.0	5.3	88,199	100.0
Building not specialized.....	229,603	3,574	14.0	1.6	694,684	60.6	<i>Subcontractors.....</i>						
Residential building only.....	59,839	432	1.7	.7	141,370	91.5	Concreting.....	736,420	10,005	13.9	2.6	1,729,368	98.4
Street paving.....	633,850	2,000	7.8	.3	3,285,000	47.7	Masonry.....	39,089	11,905	8.7	30.5	92,666	100.0
Subcontractors.....	415,026	19,522	76.5	4.7	819,099	99.9	Plastering and lathing.....	12,000	2,000	1.5	16.7	63,000	100.0
Metal work, n. e. s.....	37,414	19,522	76.5	52.2	48,528	98.0	Roofing and sheet-metal work.....	83,782	2,537	1.8	3.0	282,413	91.3
<i>Lumber, rough and finished</i>						<i>Roofing and sheet-metal work.....</i>							
All classes.....	1,856,184	125,739	100.0	6.8	6,335,933	66.8	Roofing.....	148,568	63	.0	.0	395,157	100.0
General contractors.....	1,441,158	125,239	99.6	8.7	5,516,834	61.1	Marble and tiling.....	89,589	2,500	1.8	2.8	314,065	100.0
Building.....	289,442	51,826	41.2	17.0	836,054	64.7	<i>Brick (face, common, fire, paving, etc.)</i>						
Building not specialized.....	229,603	21,809	17.4	9.5	694,684	60.6	All classes.....	1,953,631	28,038	100.0	1.4	7,189,125	78.7
Residential building only.....	59,839	20,927	23.8	50.0	141,370	91.5	General contractors.....	1,217,211	22,440	80.0	1.8	5,469,787	72.5
Highway.....	415,490	4,033	3.2	1.0	768,957	91.9	Building.....	1,037,016	22,440	80.0	2.2	4,486,133	61.8
Bridge and culvert.....	82,523	9,032	7.2	10.9	554,356	55.1	Building not specialized.....	821,281	20,996	74.9	2.3	4,167,409	60.8
Street paving.....	633,850	50,000	39.8	7.9	3,285,000	47.7	Commercial building only.....	43,101	250	.9	.6	165,085	78.2
Dredging, river, harbor, etc.....	19,858	10,348	8.2	52.1	72,467	100.0	Residential building only.....	72,634	1,200	4.3	1.7	163,639	65.6
Subcontractors.....	415,026	500	.4	.1	819,099	99.9	<i>Subcontractors.....</i>						
Concreting.....	27,000	500	.4	1.9	53,423	100.0	Concreting.....	736,420	5,508	20.0	.8	1,729,368	98.4
<i>Millwork</i>						<i>Masonry.....</i>							
All classes.....	1,856,184	49,149	100.0	2.6	6,335,933	66.8	Concreting.....	39,089	3,598	12.8	9.2	92,666	100.0
General contractors.....	1,441,158	49,149	100.0	3.4	5,516,834	61.1	Masonry.....	12,000	2,000	7.1	16.7	63,000	100.0
Building.....	289,442	43,437	88.4	15.0	836,054	64.7	<i>Tile, facing, terra cotta, floor, and wall</i>						
Building not specialized.....	229,603	40,962	83.3	17.8	694,684	60.6	All classes.....	1,953,631	96,698	100.0	4.9	7,189,125	78.7
Residential building only.....	59,839	2,475	5.0	4.1	141,370	91.5	General contractors.....	1,138,584	11,079	11.5	1.0	5,078,411	74.2
Bridge and culvert.....	82,523	712	1.4	.9	554,356	55.1	Building.....	958,389	11,079	11.5	1.2	4,104,417	63.5
Street paving.....	633,850	5,000	10.2	.8	3,285,000	47.7	Building not specialized.....	842,654	5,532	5.8	.7	3,775,693	62.5
<i>See footnotes at end of table.</i>						<i>Commercial building only.....</i>							
							Commercial building only.....	43,101	297	.8	.7	165,085	78.2
							Residential building only.....	72,634	5,200	5.4	7.2	163,639	65.6

TABLE 10.—COMPARISON OF COST OF DESIGNATED MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, WITH COST OF MATERIALS AND VALUE OF CONSTRUCTION BUSINESS—Continued

[Based exclusively upon reports of establishments which gave the distributed cost of materials]

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	Cost of all materials distributed by kind	COST OF DESIGNATED MATERIAL			Value of construction business	Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	Cost of all materials distributed by kind	COST OF DESIGNATED MATERIAL			Value of construction business	Indicated per cent of all business done by own force ¹
		Amount	Per cent of—						Amount	Per cent of—			
			Total cost	Cost of all distributed materials						Total cost	Cost of all distributed materials		
MIAMI—Continued						MIAMI—Continued							
Concrete and cinder block						Lumber, rough and finished							
All classes.....	\$1,053,631	\$51,030	100.0	2.6	\$7,180,125	78.7	All classes.....	\$1,953,631	\$251,017	100.0	12.9	\$7,180,125	78.7
General contractors ²	1,217,211	51,030	100.0	4.2	5,450,757	72.5	General contractors ²	1,217,211	250,547	99.6	20.0	5,450,757	72.5
Building.....	1,037,016	51,030	100.0	4.9	4,486,133	61.8	Building.....	1,037,016	204,402	81.2	19.7	4,486,133	61.8
Building not specialized ³	921,281	46,010	90.2	5.0	4,157,409	60.8	Building not specialized ³	921,281	180,319	71.7	19.0	4,157,409	60.8
Commercial building only.....	43,101	2,146	4.2	5.0	165,085	78.2	Commercial building only.....	43,101	12,805	5.1	29.7	165,085	78.2
Residential building only.....	72,634	2,865	5.6	3.9	163,630	65.6	Residential building only.....	72,634	11,278	4.5	15.5	163,630	65.6
Highway.....	35,780				390,185	92.7	Highway.....	35,780	26,070	10.6	74.5	390,185	92.7
Bridge and culvert.....	50,258				205,700	87.4	Bridge and culvert.....	50,258	8,530	3.4	17.0	205,700	87.4
Street paving.....	46,600				156,200	96.2	Street paving.....	46,600	450	.2	1.0	156,200	96.2
Dredging, river, harbor, etc.....	22,696				133,340	93.2	Dredging, river, harbor, etc.....	22,696	600	.2	2.0	133,340	93.2
Foundation.....	24,861				88,199	100.0	Foundation.....	24,861	9,895	3.9	39.8	88,199	100.0
Subcontractors.....	730,420	10,485	8.7	1.4	1,729,368	98.4	Subcontractors.....	730,420	1,070	.4	.1	1,729,368	98.4
Plastering and lathing.....	83,782	10,485	8.7	12.5	282,413	91.3	Heating and plumbing.....	150,029	1,070	.4	.7	357,966	99.0
Plumbing.....					357,966	99.0	Plumbing.....	150,029	1,070	.4	.7	357,966	99.0
Cement²						Millwork							
All classes.....	1,953,631	210,142	100.0	11.2	7,189,125	78.7	All classes.....	71,953,631	89,004	100.0	4.0	7,189,125	78.7
General contractors ²	1,217,211	187,027	85.3	15.4	5,450,757	72.5	General contractors ²	1,217,211	80,004	100.0	7.3	5,450,757	72.5
Building.....	1,037,016	164,056	70.9	14.0	4,486,133	61.8	Building.....	1,037,016	80,004	100.0	8.6	4,486,133	61.8
Building not specialized ³	921,281	145,454	66.4	15.8	4,157,409	60.8	Building not specialized ³	921,281	69,478	78.1	7.5	4,157,409	60.8
Commercial building only.....	43,101	6,050	2.8	14.0	165,085	78.2	Commercial building only.....	43,101	8,781	9.0	20.4	165,085	78.2
Residential building only.....	72,634	3,161	1.4	4.4	163,630	65.6	Residential building only.....	72,634	10,745	12.1	14.8	163,630	65.6
Highway.....	35,780	276	.1	.8	390,185	92.7	Highway.....	35,780	3,145	3.7	4.3	390,185	92.7
Bridge and culvert.....	50,258	16,793	7.7	3.3	205,700	87.4	Bridge and culvert.....	50,258	693	.8	1.9	205,700	87.4
Street paving.....	46,600	2,000	.9	.4	156,200	90.2	Street paving.....	46,600	2,418	2.9	4.8	156,200	90.2
Dredging, river, harbor, etc.....	22,696	10,927	5.0	48.1	133,340	98.2	Dredging, river, harbor, etc.....	22,696	1,338	1.6	5.4	133,340	98.2
Foundation.....	24,861	2,366	1.1	9.5	88,199	100.0	Foundation.....	24,861	1,338	1.6	5.4	88,199	100.0
Subcontractors.....	730,420	32,115	14.7	4.4	1,729,368	98.4	Subcontractors.....	730,420	5,362	15.7	.7	1,729,368	98.4
Concreting.....	39,089	15,388	7.0	39.4	92,666	100.0	Heating and plumbing.....	150,029	300	.9	.2	357,966	99.0
Masonry.....	12,000	1,500	.7	12.5	53,000	100.0	Plumbing.....	150,029	300	.9	.2	357,966	99.0
Painting and decorating.....	8,887	75	(*)	.8	34,474	100.0	Painting and decorating.....	8,887	5,062	14.8	57.0	34,474	100.0
Plastering and lathing.....	83,782	9,404	4.3	11.2	282,413	91.3	Roofing and sheet metal¹¹						
Marble and tiling.....	89,589	5,748	2.6	6.4	168,142	95.0	All classes.....	1,953,631	34,142	100.0	1.7	7,189,125	78.7
Lime						Paints, varnishes, glass							
All classes.....	1,953,631	34,800	100.0	1.8	7,189,125	78.7	All classes.....	1,953,631	34,142	100.0	1.7	7,189,125	78.7
General contractors ²	1,217,211	18,700	53.7	1.5	5,450,757	72.5	General contractors ²	1,217,211	28,780	84.3	2.4	5,450,757	72.5
Building.....	1,037,016	18,700	53.7	1.8	4,486,133	61.8	Building.....	1,037,016	27,870	81.0	2.7	4,486,133	61.8
Building not specialized ³	921,281	16,580	47.6	1.8	4,157,409	60.8	Building not specialized ³	921,281	25,710	75.3	2.8	4,157,409	60.8
Commercial building only.....	43,101	762	2.2	1.8	165,085	78.2	Residential building only.....	72,634	2,100	6.3	3.0	163,630	65.6
Residential building only.....	72,634	1,358	3.9	1.0	163,630	65.6	Bridge and culvert.....	50,258	2,070	2.0	1.3	205,700	87.4
Highway.....	35,780				390,185	92.7	Foundation.....	24,861	240	.7	1.0	88,199	100.0
Bridge and culvert.....	50,258				205,700	87.4	Subcontractors.....	730,420	5,362	15.7	.7	1,729,368	98.4
Street paving.....	46,600				156,200	90.2	Heating and plumbing.....	150,029	300	.9	.2	357,966	99.0
Dredging, river, harbor, etc.....	22,696				133,340	98.2	Plumbing.....	150,029	300	.9	.2	357,966	99.0
Foundation.....	24,861				88,199	100.0	Painting and decorating.....	8,887	5,062	14.8	57.0	34,474	100.0
Subcontractors.....	730,420	10,100	46.3	2.2	1,729,368	98.4	Roofing and sheet metal¹¹						
Concreting.....	39,089	2,995	8.6	7.7	92,666	100.0	All classes.....	1,953,631	100,870	100.0	9.8	7,189,125	78.7
Masonry.....	12,000	1,500	4.3	12.5	53,000	100.0	General contractors ²	1,217,211	6,941	3.6	.6	5,450,757	72.5
Painting and decorating.....	8,887	250	.7	2.8	34,474	100.0	Building.....	1,037,016	6,941	3.6	.7	4,486,133	61.8
Plastering and lathing.....	83,782	10,225	29.4	12.2	282,413	91.3	Building not specialized ³	921,281	3,061	1.9	.3	4,157,409	60.8
Marble and tiling.....	89,589	1,130	3.2	1.3	168,142	95.0	Residential building only.....	72,634	3,880	2.0	5.3	163,630	65.6
Plaster, etc.						Plumbing and gas fitting equipment²							
All classes.....	1,953,631	42,557	100.0	2.2	7,189,125	78.7	All classes.....	1,953,631	168,273	100.0	8.6	7,189,125	78.7
General contractors ²	1,217,211	15,129	35.5	1.2	5,450,757	72.5	General contractors.....	1,138,584	11,275	6.7	1.0	5,078,041	74.2
Building.....	1,037,016	15,129	35.5	1.5	4,486,133	61.8	Building.....	958,389	11,275	6.7	1.2	4,104,417	63.5
Building not specialized ³	921,281	14,700	34.5	1.6	4,157,409	60.8	Building not specialized ³	842,654	5,110	3.0	.6	3,775,693	62.5
Residential building only.....	72,634	429	1.0	.6	163,630	65.6	Residential building only.....	72,634	6,165	3.7	8.5	163,630	65.0
Highway.....	35,780				390,185	92.7	Subcontractors.....	730,420	183,929	96.4	25.0	1,729,368	98.4
Bridge and culvert.....	50,258				205,700	87.4	Heating and plumbing.....	150,029	300	.2	.2	357,966	99.0
Street paving.....	46,600				156,200	90.2	Plumbing.....	150,029	300	.2	.2	357,966	99.0
Dredging, river, harbor, etc.....	22,696				133,340	98.2	Roofing and sheet-metal work.....	183,692	183,629	96.2	100.0	395,157	100.0
Foundation.....	24,861				88,199	100.0	Roofing.....	148,508	148,505	77.8	100.0	314,065	100.0
Subcontractors.....	730,420	27,428	64.5	3.7	1,729,368	98.4	Sheet-metal work.....	15,170	15,170	7.9	100.0	35,442	100.0
Plastering and lathing.....	83,782	27,428	64.5	32.7	282,413	91.3	Roofing and sheet metal combined.....	19,054	19,054	10.5	100.0	45,650	100.0
Reinforcing steel						Plumbing and gas fitting equipment²							
All classes.....	1,953,631	41,084	100.0	2.1	7,189,125	78.7	All classes.....	1,953,631	168,273	100.0	8.6	7,189,125	78.7
General contractors.....	1,138,584	41,084	100.0	3.6	5,078,041	74.2	General contractors.....	1,138,584	11,275	6.7	1.0	5,078,041	74.2
Building.....	958,389	29,506	71.8	3.1	4,104,417	63.5	Building.....	958,389	11,275	6.7	1.2	4,104,417	63.5
Building not specialized.....	842,654	25,098	61.1	3.0	3,775,693	62.5	Building not specialized.....	842,654	5,110	3.0	.6	3,775,693	62.5
Commercial building only.....	43,101	2,954	7.2	6.9	165,085	78.2	Residential building only.....	72,634	6,165	3.7	8.5	163,630	65.0
Residential building only.....	72,634	1,454	3.5	2.0	163,630	65.6	Highway.....	35,780				390,185	92.7
Highway.....	35,780				390,185	92.7	Bridge and culvert.....	50,258				205,700	87.4
Bridge and culvert.....	50,258				205,700	87.4	Street paving.....	46,600				156,200	90.2
Street paving.....	46,600				156,200	90.2	Dredging, river, harbor, etc.....	22,696				133,340	98.2
Dredging, river, harbor, etc.....	22,696				133,340	98.2	Foundation.....	24,861				88,199	100.0
Foundation.....	24,861				88,199	100.0	Subcontractors.....	730,420	156,998	93.3	21.3	1,729,368	98.4
Subcontractors.....	730,420	156,998	93.3	98.7	357,966	99.0	Heating and plumbing.....	150,029	156,998	93.3	98.7	357,966	99.0
Heating and plumbing.....	150,029	156,998	93.3	98.7	357,966	99.0	Plumbing.....	150,029	156,998	93.3	98.7	357,966	99.0
Plumbing.....	150,029	156,998	93.3										

TABLE 10.—COMPARISON OF COST OF DESIGNATED MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, WITH COST OF MATERIALS AND VALUE OF CONSTRUCTION BUSINESS—Continued

[Based exclusively upon reports of establishments which gave the distributed cost of materials]

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹		
	Cost of all materials distributed by kind	Amount	Per cent of—					Cost of all materials distributed	Cost of all materials distributed by kind	Amount	Per cent of—			Cost of all materials distributed	
			Total cost	Cost of all distributed materials							Total cost				Cost of all distributed materials
MIAMI—Continued						TAMPA—Continued									
<i>Electrical appliances and supplies¹</i>						<i>Plaster, etc.</i>									
All classes.....	\$1,953,631	\$167,116	100.0	8.6	\$7,189,125	78.7	All classes.....	\$1,041,614	\$17,617	100.0	1.7	\$3,192,584	74.8		
General contractors.....	1,217,211	11,474	6.9	.9	5,459,757	72.5	General contractors.....	912,499	17,617	100.0	1.9	2,929,394	72.1		
Building.....	1,037,010	10,985	6.0	1.1	4,439,133	61.8	Building.....	683,107	17,617	100.0	2.6	2,347,452	64.9		
Building not specialized.....	921,281	6,430	3.8	.7	4,157,409	60.8	Building not specialized.....	243,170	2,012	11.4	.8	826,971	71.5		
Commercial building only.....	72,634	4,555	2.7	6.3	1,63,639	65.6	Commercial building only.....	428,664	14,914	84.7	3.5	1,472,281	60.6		
Residential building only.....	50,268	489	.3	1.0	205,700	87.4	Residential building only.....	11,273	691	3.9	6.1	48,200	58.3		
Bridge and culvert.....							Bridge and culvert.....								
Subcontractors.....	736,420	155,642	93.1	21.1	1,729,368	98.4	Subcontractors.....	1,041,614	24,973	100.0	2.4	3,192,584	74.8		
Electrical.....	155,642	155,642	93.1	100.0	329,261	100.0	Electrical.....								
TAMPA						Reinforcing steel									
<i>Sand, gravel, stone, slag, cinders, etc.¹</i>						<i>General contractors.....</i>									
All classes.....	1,041,614	132,354	100.0	12.7	3,192,584	74.8	All classes.....	912,499	24,973	100.0	2.7	2,929,394	72.1		
General contractors.....	912,499	132,354	100.0	14.5	2,929,394	72.1	General contractors.....	683,107	20,514	82.1	3.0	2,347,452	64.9		
Building.....	683,107	83,166	62.8	12.2	2,347,452	64.9	Building.....	243,170	6,037	24.2	2.5	826,971	71.5		
Building not specialized.....	428,664	27,145	20.5	6.3	1,472,281	60.6	Building not specialized.....	428,664	13,497	54.0	3.1	1,472,281	60.6		
Commercial building only.....	11,273	818	.6	7.3	48,200	58.3	Commercial building only.....	11,273	880	3.9	8.7	48,200	58.3		
Residential building only.....	116,438	30,188	22.8	25.9	315,952	98.1	Residential building only.....	116,438	2,450	9.8	2.1	315,952	98.1		
Highway.....	21,962	4,000	3.0	18.2	53,670	98.1	Highway.....	116,438	2,450	9.8	2.1	315,952	98.1		
Bridge and culvert.....	90,992	15,000	11.3	16.5	212,320	100.0	Bridge and culvert.....	21,962	2,000	8.0	0.1	53,670	98.1		
Street paving.....							Street paving.....								
Brick (face, common, fire, paving, etc.) ¹	1,041,614	99,476	100.0	9.6	3,192,584	74.8	Brick (face, common, fire, paving, etc.) ¹	1,041,614	29,421	100.0	2.8	3,192,584	74.8		
All classes.....	1,041,614	99,476	100.0	9.6	3,192,584	74.8	All classes.....	1,041,614	29,421	100.0	2.8	3,192,584	74.8		
General contractors.....	912,499	99,476	100.0	10.9	2,929,394	72.1	General contractors.....	912,499	29,421	100.0	3.2	2,929,394	72.1		
Building.....	683,107	53,476	53.8	7.8	2,347,452	64.9	Building.....	683,107	20,421	100.0	4.3	2,347,452	64.9		
Building not specialized.....	243,170	12,368	12.4	5.1	826,971	71.5	Building not specialized.....	243,170	6,719	22.8	2.8	826,971	71.5		
Commercial building only.....	428,664	39,349	39.6	9.2	1,472,281	60.6	Commercial building only.....	428,664	22,702	77.2	5.3	1,472,281	60.6		
Residential building only.....	11,273	1,759	1.8	15.6	48,200	58.3	Residential building only.....	11,273							
Bridge and culvert.....	21,962	6,000	6.0	27.3	53,670	98.1	Bridge and culvert.....	21,962							
Street paving.....	90,992	40,000	40.2	44.0	212,320	100.0	Street paving.....	90,992							
Tile (reproofing)	1,041,614	32,502	100.0	3.1	3,192,584	74.8	Tile (reproofing)	1,041,614	19,233	100.0	1.8	3,192,584	74.8		
All classes.....	1,041,614	32,502	100.0	3.1	3,192,584	74.8	All classes.....	1,041,614	19,233	100.0	1.8	3,192,584	74.8		
General contractors.....	912,499	32,502	100.0	3.6	2,929,394	72.1	General contractors.....	912,499	19,233	100.0	2.1	2,929,394	72.1		
Building.....	683,107	32,502	100.0	4.8	2,347,452	64.9	Building.....	683,107	19,233	100.0	2.8	2,347,452	64.9		
Building not specialized.....	243,170	2,302	7.1	.9	826,971	71.5	Building not specialized.....	243,170							
Commercial building only.....	428,664	30,200	92.9	7.0	1,472,281	60.6	Commercial building only.....	428,664							
Tile, facing, terra cotta, floor, and wall	1,041,614	61,476	100.0	5.9	3,192,584	74.8	Tile, facing, terra cotta, floor, and wall	1,041,614	19,233	100.0	4.5	1,472,281	60.6		
All classes.....	1,041,614	61,476	100.0	5.9	3,192,584	74.8	All classes.....	1,041,614	19,233	100.0	4.5	1,472,281	60.6		
General contractors.....	912,499	45,476	74.0	5.0	2,929,394	72.1	General contractors.....	912,499	19,233	100.0	2.1	2,929,394	72.1		
Building.....	683,107	45,476	74.0	6.7	2,347,452	64.9	Building.....	683,107	19,233	100.0	2.8	2,347,452	64.9		
Building not specialized.....	243,170	614	1.0	.3	826,971	71.5	Building not specialized.....	243,170							
Commercial building only.....	428,664	43,142	70.2	10.1	1,472,281	60.6	Commercial building only.....	428,664							
Residential building only.....	11,273	1,720	2.8	15.3	48,200	58.3	Residential building only.....	11,273							
Subcontractors.....	129,115	16,000	26.0	12.4	263,190	99.4	Subcontractors.....	129,115	2,000	2.1	1.5	263,190	99.4		
Marble and tiling.....	16,000	16,000	100.0		50,000	98.7	Marble and tiling.....	16,000	2,000	2.1	4.2	95,924	100.0		
Plumbing.....							Plumbing.....		2,000	2.1	4.2	95,924	100.0		
Concrete and cinder block	1,041,614	59,126	100.0	5.7	3,192,584	74.8	Concrete and cinder block	1,041,614	49,380	100.0	4.7	3,192,584	74.8		
All classes.....	1,041,614	59,126	100.0	5.7	3,192,584	74.8	All classes.....	1,041,614	49,380	100.0	4.7	3,192,584	74.8		
General contractors.....	912,499	59,126	100.0	6.5	2,929,394	72.1	General contractors.....	912,499	49,380	100.0	5.4	2,929,394	72.1		
Building.....	683,107	1,200	2.0	.2	2,347,452	64.9	Building.....	683,107	49,380	100.0	7.2	2,347,452	64.9		
Building not specialized.....	428,664	1,200	2.0	.3	1,472,281	60.6	Building not specialized.....	243,170	16,689	33.8	6.9	826,971	71.5		
Commercial building only.....	116,438	67,926	98.0	49.7	315,952	98.1	Commercial building only.....	428,664	32,700	60.2	7.6	1,472,281	60.6		
Residential building only.....							Residential building only.....								
Cut stone, granite and marble	1,041,614	54,600	100.0	5.2	3,192,584	74.8	Cut stone, granite and marble	1,041,614	28,084	100.0	2.7	3,192,584	74.8		
All classes.....	1,041,614	54,600	100.0	5.2	3,192,584	74.8	All classes.....	1,041,614	28,084	100.0	2.7	3,192,584	74.8		
General contractors.....	912,499	54,600	100.0	6.0	2,929,394	72.1	General contractors.....	912,499	28,084	100.0	3.1	2,929,394	72.1		
Building.....	683,107	54,600	100.0	8.0	2,347,452	64.9	Building.....	683,107	28,084	100.0	4.1	2,347,452	64.9		
Building not specialized.....	428,664	53,650	98.3	12.5	1,472,281	60.6	Building not specialized.....	243,170	20,959	74.9	8.8	826,971	71.5		
Commercial building only.....	11,273	950	1.7	8.4	48,200	58.3	Commercial building only.....	428,664	6,800	24.2	1.9	1,472,281	60.6		
Residential building only.....							Residential building only.....	11,273	334	1.2	3.0	48,200	58.3		
Cement	1,041,614	65,359	100.0	6.3	3,192,584	74.8	Cement	1,041,614	14,650	100.0	1.4	3,192,584	74.8		
All classes.....	1,041,614	65,359	100.0	6.3	3,192,584	74.8	All classes.....	1,041,614	14,650	100.0	1.4	3,192,584	74.8		
General contractors.....	912,499	65,359	100.0	7.2	2,929,394	72.1	General contractors.....	912,499	14,250	97.3	1.6	2,929,394	72.1		
Building.....	683,107	33,494	61.2	4.9	2,347,452	64.9	Building.....	683,107	14,250	97.3	2.1	2,347,452	64.9		
Building not specialized.....	243,170	13,101	20.0	5.4	826,971	71.5	Building not specialized.....	243,170	2,815	19.2	1.2	826,971	71.5		
Commercial building only.....	428,664	20,211	30.9	4.7	1,472,281	60.6	Commercial building only.....	428,664	11,778	76.3	2.6	1,472,281	60.6		
Residential building only.....	11,273	182	.3	1.6	48,200	58.3	Residential building only.....	11,273	200	1.8	2.8	48,200	58.3		
Highway.....	116,438	25,865	39.6	22.2	315,952	98.1	Highway.....	116,438							
Bridge and culvert.....	21,962	3,000	4.0	13.7	53,670	98.1	Bridge and culvert.....	21,962							
Street paving.....	90,992	3,000	4.0	3.3	212,320	100.0	Street paving.....	90,992							
Paints, varnishes, glass						Hardware, rough and finished									
All classes.....	1,041,614	14,650	100.0	1.4	3,192,584	74.8	All classes.....	1,041,614	28,084	100.0	2.7	3,192,584	74.8		
General contractors.....	912,499	14,250	97.3	1.6	2,929,394	72.1	General contractors.....	912,499	28,084	100.0	3.1	2,929,394	72.1		
Building.....	683,107	14,250	97.3	2.1	2,347,452	64.9	Building.....	683,107	28,084	100.0	4.1	2,347,452	64.9		
Building not specialized.....	243,170	2,815	19.2	1.2	826,971	71.5	Building not specialized.....	243,170	20,959	74.9	8.8	826,971	71.5		
Commercial building only.....	428,664	11,778	76.3	2.6	1,472,281	60.6	Commercial building only.....	428,664	6,800	24.2	1.9	1,472,281	60.6		
Residential building only.....	11,273	200	1.8	2.8	48,200	58.3	Residential building only.....	11,273	334	1.2	3.0	48,200	58.3		
Subcontractors.....	129,115	400	2.7	.3	263,190	99.4	Subcontractors.....	129,115	400	2.7	.3	263,190	99.4		
Heating and plumbing.....															

TABLE 10.—COMPARISON OF COST OF DESIGNATED MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, WITH COST OF MATERIALS AND VALUE OF CONSTRUCTION BUSINESS—Continued

[Based exclusively upon reports of establishments which gave the distributed cost of materials]

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	Cost of all materials distributed by kind	COST OF DESIGNATED MATERIAL			Value of construction business	Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	Cost of all materials distributed by kind	COST OF DESIGNATED MATERIAL			Value of construction business	Indicated per cent of all business done by own force ¹
		Amount	Per cent of—						Amount	Per cent of—			
			Total cost	Cost of all distributed materials						Total cost	Cost of all distributed materials		
TAMPA—Continued						TAMPA—Continued							
<i>Roofing and sheet metal</i>						<i>Electrical appliances and supplies²</i>							
All classes.....	\$1,041,614	\$17,252	100.0	1.7	\$3,192,584	74.8	All classes.....	\$1,041,614	\$72,768	100.0	7.0	\$3,192,584	74.8
General contractors.....	\$ 912,400	16,252	94.2	1.8	\$ 2,920,394	72.1	General contractors.....	\$ 912,400	7,620	10.5	.8	\$ 2,920,394	72.1
Building.....	\$ 683,107	16,252	94.2	2.4	\$ 2,347,452	64.9	Building.....	\$ 683,107	7,626	10.5	1.1	\$ 2,347,452	64.9
Building not specialized.....	243,170	4,052	23.5	1.7	826,971	71.5	Building not specialized.....	243,170	7,626	10.5	3.1	826,971	71.5
Commercial building only.....	428,664	12,200	70.7	2.8	1,472,281	60.6	Building not specialized.....	428,664	7,626	10.5	3.1	826,971	71.5
Subcontractors.....	\$ 129,115	1,000	5.8	.8	\$ 263,190	99.4	Subcontractors.....	\$ 129,115	65,142	89.5	50.5	\$ 263,190	99.4
Heating and plumbing.....	47,973	1,000	5.8	2.1	95,924	100.0	Electrical.....	65,142	65,142	89.5	100.0	117,269	100.0
Plumbing.....	47,973	1,000	5.8	2.1	95,924	100.0	<i>Bituminous paving materials, tar, asphalt, and oil</i>						
<i>Plumbing and gas fitting equipment</i>						<i>Bituminous paving materials, tar, asphalt, and oil</i>							
All classes.....	1,041,614	40,907	100.0	3.9	3,192,584	74.8	All classes.....	\$ 1,041,614	15,000	100.0	1.4	\$ 3,192,584	74.8
General contractors.....	\$ 912,400	2,641	6.5	.3	\$ 2,920,394	72.1	General contractors.....	\$ 912,400	16,000	100.0	1.0	\$ 2,920,394	72.1
Building.....	\$ 683,107	2,641	6.5	.4	\$ 2,347,452	64.9	Street paving.....	90,992	16,000	100.0	16.5	212,320	100.0
Building not specialized.....	243,170	2,641	6.5	1.1	826,971	71.5							
Subcontractors.....	\$ 129,115	38,266	93.5	29.6	\$ 263,190	99.4							
Heating and plumbing.....	47,973	38,266	93.5	79.8	95,924	100.0							
Plumbing.....	47,973	38,266	93.5	79.8	95,924	100.0							

¹ Based upon the difference between the total value of all construction business reported and the value of subcontract work let.

² See footnote 3 of Table 9 on p. 343.

³ Includes operative builders.

⁴ Includes cost of materials reported by establishments which did not include designated material in their distributed lists.

⁵ Includes construction work reported by establishments which did not include the designated material in their distributed lists.

⁶ Less than one-tenth of 1 per cent.

⁷ Includes cost of materials reported by subcontracting establishments which did not include the designated material in their distributed lists.

⁸ Includes construction work reported by subcontracting establishments which did not include the designated material in their distributed lists.

⁹ Includes cost of materials reported by operative builders who did not include the designated material in their distributed lists.

¹⁰ Includes construction work reported by operative builders who did not include the designated material in their distributed lists.

¹¹ See footnote 6 of Table 9 on p. 343.

TABLE 11.—COST OF MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929

[This table is made up in three sections; the second section begins on page 350; the third on page 351]

CLASSIFICATION OF ESTABLISHMENTS	Total cost of all materials ¹	COST OF ALL MATERIALS, DISTRIBUTED BY KIND		Sand, gravel, crushed stone, slag, cinders, etc.	Brick (face, common, fire, paving, etc.)	Tile (fire-proofing)	Tile, facing, terra cotta, floor, and wall	Concrete and cinder block	Cut stone, granite and marble	Riprap, rubble, etc.	Cement	Lime
		Amount	Percent of total									
FLORIDA.....	\$12,454,798	\$8,421,477	67.7	\$1,427,267	\$286,389	\$109,142	\$248,815	\$182,901	\$305,466	\$180,472	\$1,035,289	\$61,045
Operative builders.....	371,494	371,494	100.0	8,790	18,420	19,125	100	0,660	36,500	-----	13,000	5,432
General contractors.....	\$ 9,301,695	6,100,864	66.2	1,367,474	258,123	79,017	90,519	153,241	253,802	14,174	958,177	34,687
Building.....	4,771,082	3,302,609	69.2	286,833	165,534	78,576	90,019	95,130	247,802	1,420	306,206	34,411
Building not specialized.....	3,659,847	2,510,778	68.6	241,158	117,378	48,322	40,497	85,607	191,687	1,420	261,501	26,293
Commercial building only.....	556,765	471,765	84.9	30,837	39,590	30,200	43,439	3,346	53,050	-----	26,261	3,802
Residential building only.....	556,070	320,066	57.6	14,838	11,557	64	12,083	6,183	2,465	-----	18,444	4,316
Highway.....	2,548,298	1,419,065	55.7	863,542	6,290	-----	-----	57,926	-----	-----	119,013	-----
Bridge and culvert.....	408,831	322,208	82.3	71,255	7,450	300	-----	-----	764	-----	87,830	-----
Street paving.....	1,032,763	851,744	82.5	118,787	75,000	-----	500	170	6,000	12,000	410,420	200
Sewer, gas, water, conduit.....	42,816	37,816	88.3	8,202	767	81	-----	-----	-----	-----	2,297	76
Dredging, river, harbor, etc.....	387,344	192,501	49.7	17,549	82	-----	-----	-----	-----	-----	30,036	-----
Foundation.....	24,861	24,861	100.0	1,306	-----	-----	-----	-----	-----	-----	2,366	-----
Subcontractors.....	\$ 2,761,709	1,889,119	68.4	51,003	9,846	11,000	162,196	-----	15,164	106,298	64,112	20,926
Concreting.....	97,390	84,267	86.5	32,855	3,646	-----	5,203	-----	-----	-----	37,388	3,835
Electrical.....	346,358	334,358	96.5	-----	-----	-----	-----	-----	-----	-----	-----	-----
Heating and plumbing.....	\$ 957,340	431,383	45.1	-----	-----	-----	200	-----	-----	-----	-----	-----
Plumbing.....	714,516	431,383	60.4	-----	-----	-----	200	-----	-----	-----	-----	-----
Masonry.....	12,000	12,000	100.0	2,000	2,000	-----	-----	-----	-----	-----	1,500	1,500
Painting and decorating.....	34,356	34,356	100.0	-----	-----	-----	-----	-----	-----	-----	75	250
Plastering and lathing.....	147,182	137,682	93.5	4,437	4,000	11,000	-----	-----	10,485	-----	17,404	14,025
Roofing and sheet-metal work.....	321,375	308,375	96.0	223	-----	-----	-----	-----	-----	-----	-----	-----
Roofing.....	210,757	210,757	100.0	223	-----	-----	-----	-----	-----	-----	-----	-----
Sheet metal work.....	28,170	15,170	53.9	-----	-----	-----	-----	-----	-----	-----	-----	-----
Roofing and sheet-metal combined.....	82,448	82,448	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----
Steel erection.....	39,392	22,892	58.1	-----	-----	-----	-----	-----	-----	-----	-----	-----
Marble and tiling.....	315,018	170,508	54.1	9,594	200	-----	146,793	-----	4,679	-----	6,645	1,316
Ornamental iron.....	4,710	4,710	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----
Bridge and culvert.....	41,397	41,397	100.0	1,000	-----	-----	-----	-----	-----	-----	750	-----
Dredging, river, harbor, etc.....	218,792	173,792	79.4	894	-----	-----	-----	-----	-----	106,298	350	-----
Metal work, n. e. s.....	85,414	37,414	43.8	-----	-----	-----	-----	-----	-----	-----	-----	-----
Flooring, n. e. s.....	95,985	95,985	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----

See footnotes at end of table.

TABLE 11.—COST OF MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929—Continued

CLASSIFICATION OF ESTABLISHMENTS	Total cost of all materials ¹	COST OF ALL MATERIALS, DISTRIBUTED BY KIND		Sand, gravel, crushed stone, slag, cinders, etc.	Brick (face, common, fire, paving, etc.)	Tile (fire-proofing)	Tile, facing, terra cotta, floor, and wall	Concrete and cinder block	Cut stone, granite and marble	Riprap, rubble, etc.	Cement	Lime
		Amount	Percent of total									
JACKSONVILLE	\$2,489,086	\$1,866,184	74.6	\$248,800	\$87,228	\$5,464	\$89,689	\$801	\$13,485	\$187,062	\$464,630	\$2,070
General contractors	1,958,008	1,441,158	73.6	229,350	67,028	5,454	8,481	801	8,800	754	453,230	2,004
Building	1,450,517	289,442	63.4	22,161	25,815	5,454	7,061	801	2,800		20,817	1,804
Building not specialized	360,078	220,603	61.4	21,585	22,499	5,400	7,061	173	2,031		20,166	1,620
Residential building only	59,839	59,839	100.0	576	3,316	54		628	175		151	184
Highway	712,925	415,490	58.3	175,851	6,213						1,040	
Bridge and culvert	82,523	82,523	100.0	18,844						754	31,873	
Street paving	682,150	633,850	92.9	12,500	35,000		500		6,000		400,000	200
Dredging, river, harbor, etc.	19,853	19,853	100.0									
Subcontractors	530,067	415,026	78.3	19,444	200		25,128		4,679	106,298	11,400	66
Concreting	27,000	27,000	100.0	15,200							10,800	
Electrical	12,100	12,100	100.0									
Heating and plumbing	70,041											
Steel erection	19,792	19,792	100.0									
Marble and tiling	36,078	36,078	100.0	4,244	200		25,128		4,679		600	66
Roofing and sheet metal combined	19,112	19,112	100.0									
Bridge and culvert	1,247	1,247	100.0									
Dredging, river, harbor, etc.	211,208	166,298	78.7							106,298		
Metal work, n. e. s.	37,414	37,414	100.0									
Flooring, n. e. s.	95,985	95,985	100.0									
MIAMI	2,805,016	1,953,631	75.0	\$137,140	28,038	24,444	96,693	51,030	120,337	7,000	\$219,142	\$4,800
Operative builders	78,627	78,627	100.0	2,000	3,000			5,000	6,500		3,750	2,500
General contractors	1,480,257	1,138,584	76.9	116,135	19,440	24,444	11,079	46,030	103,352	7,000	183,277	10,200
Building	1,128,346	958,389	84.9	76,474	19,440	24,444	11,079	46,030	103,352		150,915	16,200
Building not specialized	958,611	842,054	87.9	69,753	17,900	24,444	5,582	41,019	103,052		141,704	14,000
Commercial building only	87,101	43,101	49.5	3,692	250		297				6,050	762
Residential building only	82,634	72,634	87.9	3,029	1,200		5,200		300		3,161	1,368
Highway	105,780	35,780	33.8	210							270	
Bridge and culvert	50,258	50,258	100.0	8,107							16,793	
Street paving	46,600	46,600	100.0	23,500						7,000	2,000	
Dredging, river, harbor, etc.	34,412	22,695	66.0	6,538							10,927	
Foundation	24,861	24,861	100.0	1,306							2,360	
Subcontractors	1,046,132	736,420	70.4	19,005	5,598		85,614		10,485		32,115	16,100
Concreting	52,212	39,089	74.9	11,905	3,598		5,203				16,388	2,995
Electrical	155,642	155,642	100.0									
Heating and plumbing	344,121	159,029	46.2				200					
Plumbing	344,121	159,029	46.2				200					
Masonry	12,000	12,000	100.0	2,000	2,000						1,500	1,500
Painting and decorating	8,887	8,887	100.0								75	250
Plastering and lathing	93,282	83,782	89.8	2,537					10,485		9,404	10,225
Roofing and sheet-metal work	183,692	183,692	100.0	63								
Roofing	148,508	148,508	100.0	63								
Sheet-metal work	15,170	15,170	100.0									
Roofing and sheet metal combined	19,954	19,954	100.0									
Marble and tiling	98,586	89,689	90.9	2,500			80,211				5,748	1,130
Ornamental iron	4,710	4,710	100.0									
TAMPA	1,233,005	1,041,614	84.5	\$132,364	\$99,476	\$2,502	\$1,476	\$9,126	\$4,800	\$5,000	\$6,369	\$5,211
General contractors	971,877	912,499	93.9	132,364	99,476	32,502	45,476	59,126	54,600	5,000	65,359	5,211
Building	742,485	683,107	92.0	53,160	53,476	32,502	45,476	1,200	54,600		33,494	5,211
Building not specialized	302,548	249,170	82.4	55,208	12,368	2,302	614				13,101	1,931
Commercial building only	428,664	428,664	100.0	27,145	39,849	30,200	43,142	1,200	53,650		20,211	3,040
Residential building only	11,273	11,273	100.0	1,759			1,720		950		182	240
Highway	116,438	116,438	100.0	30,188							25,865	
Bridge and culvert	21,962	21,962	100.0	4,000	6,000			57,920			3,000	
Street paving	90,992	90,992	100.0	15,000	40,000					5,000	3,000	
Subcontractors	261,128	129,115	49.4				16,000					
Electrical	65,142	65,142	100.0									
Plumbing	77,973	47,973	61.5									
Marble and tiling	101,813	16,000	15.8				16,000					

CLASSIFICATION OF ESTABLISHMENTS	Plaster, etc.	Structural steel	Reinforcing steel	Cast iron, miscellaneous, excluding pipe	Metal doors, windows, and trim	Metal and wire lath and furring	Ornamental metal work	Lumber, rough and finished	Laths, shingles, and shakes	Mill-work	Composition board	Water-proofing materials	Hardware, rough and finished	Paints, varnishes, and glass
FLORIDA	\$128,992	\$158,583	\$282,163	\$11,120	\$107,993	\$50,144	\$63,733	\$874,934	\$25,115	\$375,368	\$17,410	\$28,878	\$219,867	\$139,011
Operative builders	20,600	100	36,200		11,300	6,100		44,900	900	30,200	1,095	3,350	19,025	18,600
General contractors	53,764	122,882	240,880	11,120	77,171	31,233	59,023	788,324	17,552	345,198	16,315	19,973	200,842	88,980
Building	52,564	92,944	199,204	9,445	74,844	30,233	58,923	592,022	17,552	339,206	15,775	19,438	177,932	84,031
Building not specialized	30,156	84,275	88,729	8,905	47,093	23,403	34,090	422,541	16,867	259,276	14,183	7,144	154,740	53,673
Commercial building only	14,914	6,600	16,451	150	23,452	4,600	19,233	64,502		41,481	300	10,684	9,504	11,175
Residential building only	7,494	2,069	4,024	390	4,299	2,280	5,600	104,979	1,185	38,449	1,292	1,710	13,623	10,183
Highway			6,105					62,996				45	6,123	
Bridge and culvert		17,999	62,328	300	327		100	30,716		892	540	240	3,613	1,995
Street paving	1,200	10,000	35,800	760	2,000	1,000		58,463		5,000		250	5,134	1,100
Sewer, gas, water, conduit			2,078	625				1,330		100			180	
Dredging, river, harbor, etc.		1,939	23,133					23,906					6,517	1,614
Foundation			2,182					9,895					1,338	240

See footnotes at end of table.

CONSTRUCTION—FLORIDA

TABLE 11.—COST OF MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929—Continued

CLASSIFICATION OF ESTABLISHMENTS	Plaster, etc.	Structural steel	Reinforcing steel	Cast iron, miscellaneous, excluding pipe	Metal doors, windows, and trim	Metal and wire lath and furring	Ornamental metal work	Lumber, rough and finished	Laths, shingles, and shakes	Mill-work	Composition board	Water-proofing materials	Hardware, rough and finished	Paints, varnishes, and glass
FLORIDA—Continued.														
Subcontractors.....	\$48,628	\$35,001	\$5,133		\$19,522	\$12,761	\$4,710	\$41,710	\$6,003			\$3,555		\$31,431
Concreting.....			700					640						
Heating and plumbing.....								3,070						700
Plumbing.....								3,070						700
Painting and decorating.....												3,500		80,531
Plastering and lathing.....	48,628					12,386			6,442			55		200
Steel erection.....		21,592							221					
Marble and tiling.....						375								
Ornamental iron.....							4,710							
Bridge and culvert.....			400					38,000						
Dredging, river, harbor, etc.....			150											
Metal work, n. e. s.....		14,000	3,883		19,522									
JACKSONVILLE	6,741	60,186	65,266	\$2,183	25,528	2,995	5,464	125,739	1,151	\$49,149	\$989	557	\$17,413	22,753
General contractors.....	6,741	27,065	60,873	2,163	6,006	2,620	5,464	125,239	930	49,149	889	557	17,413	22,553
Building.....	5,541	17,005	9,313	2,163	4,006	1,620	5,464	51,826	930	43,437	889	307	10,585	21,869
Building not specialized.....	2,620	17,537	9,070	2,163	3,574	1,620	5,464	21,899	500	40,962	762	190	9,504	12,554
Residential building only.....	2,921	128	237		432			20,927	430	2,475	127	117	1,081	8,815
Highway.....								4,033						
Bridge and culvert.....			16,500					9,032		712				184
Street paving.....	1,200	10,000	35,000		2,000	1,000		50,000		5,000		250	5,000	1,000
Dredging, river, harbor, etc.....								10,848					1,828	
Subcontractors.....		32,501	4,383		10,522	375		500	221					200
Concreting.....			500					500						
Steel erection.....		18,492							221					200
Marble and tiling.....						375								
Metal work, n. e. s.....		14,000	3,883		10,522									
MIAMI	42,557	13,004	41,084	890	14,681	25,356	8,896	251,617	7,162	89,004	779	7,050	83,970	34,142
Operative builders.....	2,000					2,500		17,500	500	1,500				
General contractors.....	13,129	13,004	41,084	890	14,681	12,470	4,126	233,047	2,220	87,504	779	3,295	76,470	16,280
Building.....	13,129	5,091	20,506	640	14,854	12,470	4,126	180,902	2,220	87,504	779	3,250	72,021	16,370
Building not specialized.....	12,700	3,991	25,098		9,834	12,470	1,016	162,819	2,220	67,978	479	2,885	66,112	13,210
Commercial building only.....		1,100	2,954	160	750			12,805		8,781	300		2,784	
Residential building only.....	429		1,454	390	3,770		3,110	11,278		10,745		395	3,145	2,160
Highway.....			86					26,670				45	693	
Bridge and culvert.....		7,913	4,569		327			8,536					2,418	670
Street paving.....			400	350				459						
Dredging, river, harbor, etc.....			4,341					690						
Foundation.....			2,182					9,895					1,338	240
Subcontractors.....	27,428					10,386	4,710	1,070	4,442			3,555		5,362
Heating and plumbing.....								1,070						300
Plumbing.....								1,070						300
Painting and decorating.....												3,500		5,062
Plastering and lathing.....	27,428					10,386			4,442			55		
Ornamental iron.....							4,710							
TAMPA	17,617	10,987	24,973	3,225	29,421	5,791	19,233	92,969	6,900	40,380	512	11,826	28,084	14,650
General contractors.....	17,617	10,987	24,973	3,225	29,421	5,791	19,233	92,969	6,900	40,380	512	11,826	28,084	14,250
Building.....	17,617	10,987	20,514	3,225	29,421	5,791	19,233	86,969	6,900	40,380	512	11,826	28,084	14,250
Building not specialized.....	2,012	5,487	6,037	3,225	6,719	615		33,416	6,900	19,080	512	1,242	20,950	2,815
Commercial building only.....	14,914	5,500	13,497		22,702	4,600	19,233	51,697		32,700		10,584	6,800	11,175
Residential building only.....	691		980		570			1,856					334	260
Highway.....			2,459											
Bridge and culvert.....			2,000					1,000						
Street paving.....								5,000						
Subcontractors.....								2,000						400
Plumbing.....								2,000						400

CLASSIFICATION OF ESTABLISHMENTS	Roofing and sheet metal	Fin-ished floor ing, n. e. s.	Screens, shades, awnings, etc.	Heat-ing and vent-ilating equip-ment	Plumb-ing and gas fitting equip-ment	Electri-cal ap-pliances and supplies	Eleva-tors, dumb-waiters, etc.	Pipe: Drain tile, vitri-fied, con-crete, etc.	Pipe: Cast iron, sheet and tube steel, etc.	Wire cable, guards, and fencing	Bitu-minous paving mate-rials	Wood piling and timber	Freight, hauling, or truck-ing to job	Metal prod-ucts, n. e. s.	Mis-cellane-ous
FLORIDA	\$391,636	\$121,570	\$26,372	\$33,467	\$485,741	\$365,762	\$35,220	\$44,051	\$23,607	\$15,758	\$140,768	\$54,045	\$187,675	\$85,370	\$82,408
Operative builders.....	10,820		11,477	9,800	15,000	15,000									
General contractors.....	70,568	25,555	14,895	7,901	73,506	33,793	35,220	33,351	19,807	15,508	140,768	46,948	187,575	83,705	73,263
Building.....	69,109	25,535	14,475	7,901	46,682	35,250	31,220	942	1,894	321	868	6,135	1,480	12,909	55,688
Building not specialized.....	48,740	20,274	7,151	6,894	27,597	29,900	31,220	442	1,894	80	823	6,135	1,480	12,909	56,996
Commercial building only.....	12,200	2,025	2,800								235				1,693
Residential building only.....	8,229	2,086	4,524	1,007	19,085	5,350		500			235				8,787
Highway.....								6,981	10,156	14,193	64,491	7,500	184,917		2,407
Bridge and culvert.....	1,399		420		2,476	1,169		11,500	250		3,753	13,130			2,992
Street paving.....					10,191	2,035	4,000	13,000	1,800	500	71,666		1,178		
Sewer, gas, water, conduit.....					14,157	339		5,328	1,956	204					
Dredging, river, harbor, etc.....								3,751		200		20,183		63,262	389
Foundation.....														7,534	

See footnotes at end of table.

TABLE 11.—COST OF MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929—Continued

CLASSIFICATION OF ESTABLISHMENTS	Roofing and sheet metal	Finished flooring, n. e. s.	Screens, shades, awnings, etc	Heating and ventilating equipment	Plumbing and gas fitting equipment	Electrical appliances and supplies	Elevators, dumb-waiters, etc.	Pipe: Drain tile, vitrified, concrete, etc.	Pipe: Cast iron, sheet and tube steel, etc.	Wire cable, guards, and fencing	Bituminous paving materials	Wood piling and timber	Freight, hauling, or trucking to job	Metal products, n. e. s.	Miscellaneous ¹¹
FLORIDA—Continued.															
Subcontractors.....	\$310,248	\$95,985		\$15,706	\$397,235	\$341,969		\$5,700	\$3,800	\$250		\$7,097		\$1,065	\$9,145
Electrical.....						331,358									61
Heating and plumbing.....	2,240			15,706	397,235	7,611		700	3,800						61
Plumbing.....	2,240			15,706	397,235	7,611		700	3,800						
Masonry.....								5,000							8,820
Plastering and lathing.....															144
Roofing and sheet-metal work.....	308,008														144
Roofing.....	210,390														
Sheet-metal work.....	15,170														
Roofing and sheet metal combined.....	82,448														
Steel erection.....														1,100	
Marble and tiling.....														505	120
Bridge and culvert.....												1,247			
Dredging, river, harbor, etc.....										250		5,850			
Flooring, n. e. s.....		95,985													
JACKSONVILLE															
	31,242	101,870	\$1,357		15,183	14,870	\$5,834	6,000		7,225	\$79,991	10,402	\$179,877	1,665	11,435
General contractors.....	12,180	5,885	1,357		15,183	2,870	5,834	6,000		7,225	79,991	9,215	179,877		11,435
Building.....	11,111	5,835	1,357		4,523	870	1,834								1,623
Building not specialized.....	9,791	5,835	670		103	75	1,834								785
Residential building only.....	1,320		687		4,420	795									843
Highway.....										7,025	32,991		179,877		8,480
Bridge and culvert.....	1,019				800					200					1,347
Street paving.....					10,000	2,000	4,000	6,000			47,000				
Dredging, river, harbor, etc.....													7,677		
Subcontractors.....	19,112	95,985				12,100							1,247	1,665	
Electrical.....						12,100									
Steel erection.....														1,100	
Marble and tiling.....														505	
Roofing and sheet metal combined.....	19,112														
Bridge and culvert.....													1,247		
Flooring, n. e. s.....		95,985													
MIAMI															
	190,870	1,988	5,694	3,550	168,273	197,118		8,435	3,195	435	8,660	7,942		7,534	41,185
Operative builders.....	2,500		3,877	300		5,000									
General contractors.....	4,441	1,988	1,817	3,250	11,275	6,474		3,335	3,105	435	8,660	7,942		7,534	32,304
Building.....	4,441	1,988	1,817	3,250	11,275	5,985		600	1,230	235	160				32,214
Building not specialized.....	561		1,205	3,250	5,110	1,430		100	1,230						31,332
Commercial building only.....		300													
Residential building only.....	3,880	1,688	612		6,165	4,555		500		235	160				882
Highway.....								135							
Bridge and culvert.....						480			105				7,500		
Street paving.....													442		
Dredging, river, harbor, etc.....								2,000	1,800		8,500				90
Foundation.....										200					
Subcontractors.....	183,929				156,998	155,642		5,100						7,534	8,881
Electrical.....					156,998	155,642									61
Heating and plumbing.....	300				156,998			100							61
Plumbing.....	300				156,998			100							
Masonry.....								5,000							8,820
Plastering and lathing.....															
Roofing and sheet-metal work.....	183,629														
Roofing.....	148,605														
Sheet-metal work.....	15,170														
Roofing and sheet metal combined.....	19,954														
TAMPA															
	17,252	3,325	3,450	8,621	40,907	172,768	3,106	10,000		88	15,000	5,144		5,380	23,998
General contractors.....	16,252	3,325	3,450	2,314	2,641	7,626	3,106	10,000		88	15,000	5,144		5,380	23,003
Building.....	16,252	3,325	3,450	2,314	2,641	7,626	3,106			88	15,000	5,144		5,380	19,949
Building not specialized.....	4,052	1,000	650	1,514	2,641	7,626	3,106			88		5,144		5,380	19,842
Commercial building only.....	12,200	2,325	2,800												
Residential building only.....				800											107
Bridge and culvert.....															982
Street paving.....								5,000			15,000				2,992
Subcontractors.....	1,000			6,307	33,266	65,142		5,000							
Electrical.....				6,307	33,266	65,142		5,000							
Plumbing.....	1,000														

¹ Certain establishments did not give a distribution of the cost of their materials by separate items. The total cost of materials reported by such establishments is however, included in totals in this column which carry a footnote to that effect.

² See footnote 3 of Table 9 on p. 343.

³ Includes dam and reservoir, \$90,000.

⁴ Includes carpentering and wood flooring, \$45,000.

⁵ Includes heating and piping, \$58,043; and plumbing and heating combined, \$184,181.

⁶ Includes sewer, gas, water, conduit, \$5,000.

⁷ Includes commercial building only, \$40,000.

⁸ Includes heating and piping, \$27,000; and plumbing, \$43,041.

⁹ Includes carpentering and wood flooring, \$45,000; and metal work, n. e. s., \$43,000.

¹⁰ Includes steel erection, \$16,500.

¹¹ Includes the reported cost of ready-mixed concrete; mineral products (nonmetallic), n. e. s., and miscellaneous, n. e. s. For total cost of these items see Table 9.

¹² See footnote 5 of Table 9, p. 343.

CONSTRUCTION—FLORIDA

TABLE 12.—NUMBER OF, AND VOLUME OF BUSINESS REPORTED BY, ESTABLISHMENTS DOING A CONSTRUCTION BUSINESS OF LESS THAN \$25,000 IN 1929, PERCENTAGE OF TOTAL NUMBER OF KNOWN ESTABLISHMENTS, AND AVERAGE VOLUME PER ESTABLISHMENT

TYPE OF WORK	FLORIDA (1930 population, 1,408,211)								JACKSONVILLE (1930 population, 129,549)		
	Known contracting establishments				Volume of business reported				Total number active in 1929	Volume of business	
	Total number	Inactive in 1929	Active in 1929		Number of reporting establishments	Per cent of active	Amount	Average per establishment		Number of reporting establishments	Amount
			Number	Per cent							
Total establishments canvassed (less than \$25,000).....	1,247	129	1,118		189				110		
Total establishments, type of work unknown.....	135	54	81		3	3.7	\$42,041	\$14,014	5		
Total general and subcontractors classified.....	1,112	75	1,037	100.0	180				111		
Total general contractors classified.....	372	37	335	32.3	50	14.9	572,024	11,440	29	4	\$53,137
Building.....	296	31	265	25.0	45	17.0	489,620	10,880	21	3	29,963
Highway.....	50	4	46	5.0	2	3.9	29,230	14,615	5		
Bridge and culvert.....	4		4	.4							
Sewer, gas, water, conduit.....	5	1	4	.4	1	25.0	10,000	10,000	1		
Dams and dredging.....	10	1	9	.9	2	22.2	43,174	21,587	2	1	23,174
Power plants.....	1		1	.1							
Total subcontractors classified.....	740	38	702	67.7	136	19.4	1,056,423	7,768	82	7	33,098
Carpentering.....	38	5	33	3.2	10	30.3	67,383	6,738	1		
Concreting.....	17	2	15	1.4	4	26.7	20,550	5,137	3		
Electrical.....	166	2	164	14.0	20	18.8	263,595	6,080	13		
Elevator.....	3		3	.3	1	33.3	3,600	3,600			
Masonry.....	9	2	7	.7	1	14.3	1,806	1,806			
Painting and decorating.....	87	6	81	7.8	13	16.0	113,599	5,738	7		
Glass and glazing.....	5		5	.5					1		
Plastering.....	23	3	20	1.0	4	20.0	41,000	10,250			
Plumbing and heating.....	254	6	248	23.9	48	19.4	304,846	7,601	38	4	21,873
Sheet metal and roofing.....	80	3	77	7.4	17	22.1	106,828	6,284	13	3	11,225
Steel erection.....	3	1	2	.2							
Stone work.....	4		4	.4					1		
Marble and tiling.....	24		24	2.3	5	20.8	39,350	7,870	2		
Wrecking.....	2		2	.2							
Excavating and grading.....	1		1	.1	1	100.0	1,500	1,500			
Ornamental iron.....	8		8	.8	1	12.5	21,766	21,766	2		
Pile driving.....	2		2	.2	1	50.1	6,000	6,000			
Street paving.....	2		2	.2							
Miscellaneous.....	22	8	14	1.4	1	7.1	4,600	4,600	1		

TYPE OF WORK	MIAMI (1930 population, 110,637)			TAMPA (1930 population, 101,161)			REMAINDER OF STATE (1930 population, 1,126,864)		
	Total number active in 1929	Volume of business		Total number active in 1929	Volume of business		Total number active in 1929	Volume of business	
		Number of reporting establishments	Amount		Number of reporting establishments	Amount		Number of reporting establishments	Amount
Total establishments canvassed (less than \$25,000).....	247			60			689		
Total establishments, type of work unknown.....	42			4			30		\$42,041
Total general and subcontractors classified.....	205			62			659		
Total general contractors classified.....	40	1	\$23,500	23	1	\$7,857	243	44	487,530
Building.....	33	1	23,500	12	1	7,857	199	40	428,300
Highway.....	4			11			32	2	29,230
Bridge and culvert.....							4		
Sewer, gas, water, conduit.....	2						1	1	10,000
Dams and dredging.....	1						6	1	20,000
Power plants.....							1		
Total subcontractors classified.....	165	24	206,402	30	4	23,300	416	101	793,623
Carpentering.....	3	1	18,000				29	9	49,383
Concreting.....	2			1	1	3,300	9	3	17,250
Electrical.....	32	3	38,919	0	1	1,000	100	25	223,676
Elevator.....	3	1	3,000						
Masonry.....	1	1	1,806				6		
Painting and decorating.....	30	6	64,299	1			43	7	49,300
Glass and glazing.....	1						3		
Plastering.....	9						11	4	41,000
Plumbing and heating.....	34	6	36,553	26	2	19,000	150	36	287,420
Sheet metal and roofing.....	31	3	13,325				33	11	82,278
Steel erection.....	2								
Stone work.....							3		
Marble and tiling.....	12	2	23,900				10	3	15,450
Wrecking.....	1						1		
Excavating and grading.....							1	1	1,500
Ornamental iron.....	2			2			2	1	21,766
Pile driving.....	2	1	6,000						
Street paving.....							2		
Miscellaneous.....							13	1	4,600

¹ Of the 129 inactive establishments, 15 are in Miami, 4 in Tampa, and 110 in the remainder of the State.

CONSTRUCTION--FLORIDA

TABLE 13.—ESTABLISHMENTS (WHOSE BUSINESS WAS LESS THAN \$25,000 IN 1929) WHICH REPORTED THEIR VOLUME OF CONSTRUCTION WORK, CLASSIFIED BY RANGE OF VOLUME OF BUSINESS

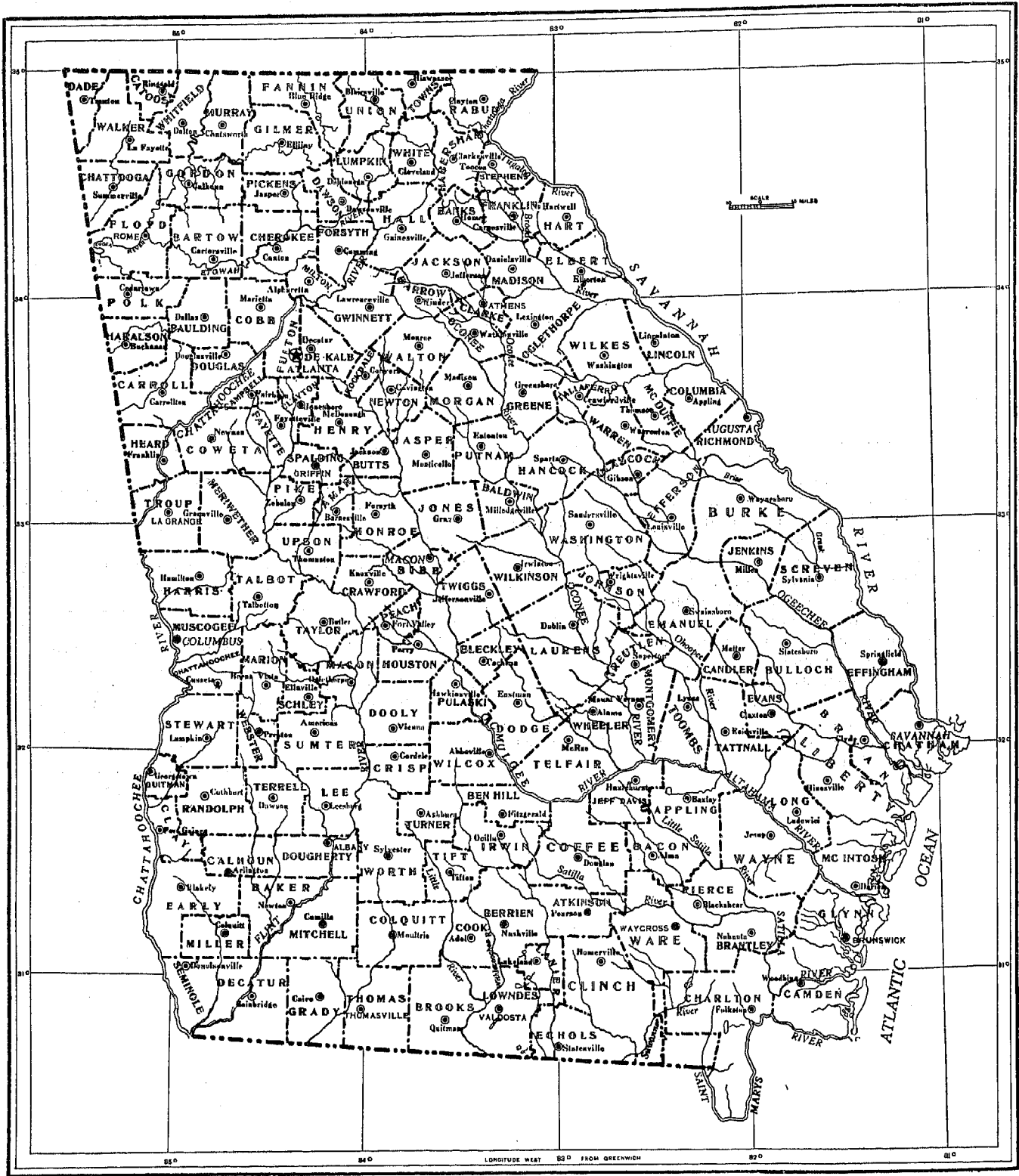
CLASSIFICATION	Total	Less than \$2,500	\$2,500 to \$4,999	\$5,000 to \$7,499	\$7,500 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$17,499	\$17,500 to \$19,999	\$20,000 to \$22,499	\$22,500 to \$24,999
FLORIDA											
Total general and subcontractors.....	189	31	44	27	17	21	9	10	11	10	9
General contractors.....	50	5	9	4	4	10	2	4	3	5	4
Subcontractors.....	136	26	35	23	13	9	7	6	8	4	5
Type of contracting unknown.....	3					2				1	

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CONSTRUCTION—GEORGIA

TABLE 1.—VALUE OF CONSTRUCTION BUSINESS DURING 1929 AND PRINCIPAL ITEMS OF EXPENDITURE

[Values expressed in thousands]

AREA, CLASSIFICATION OF ESTABLISHMENTS, AND SIZE OF BUSINESS GROUPS	Number of establishments	VALUE OF CONSTRUCTION BUSINESS			PRINCIPAL EXPENDITURES			AREA, CLASSIFICATION OF ESTABLISHMENTS, AND SIZE OF BUSINESS GROUPS	Number of establishments	VALUE OF CONSTRUCTION BUSINESS			PRINCIPAL EXPENDITURES		
		Total	Under general contract or directly for owner	Under sub-contract	Sub-contract work let	Wages paid	Cost of materials			Total	Under general contract or directly for owner	Under sub-contract	Sub-contract work let	Wages paid	Cost of materials
GEORGIA	230	\$57,077	\$45,840	\$11,237	\$10,587	\$11,298	\$23,624	GEORGIA—Continued.							
<i>Counties and principal city</i>								<i>Size of business groups—Con.</i>							
Counties:								Subcontractors.....	98	\$13,182	\$2,242	\$10,941	\$80	\$2,748	\$7,213
Bibb.....	10	1,242	1,164	78	115	209	554	\$25,000 to \$49,999.....	38	1,368	270	1,092	367	1,054	
Chatham.....	28	3,495	2,655	840	635	658	1,427	\$50,000 to \$99,999.....	32	2,355	318	2,037	585	1,162	
Clarke.....	3	230	111	125	25	57	104	\$100,000 to \$199,999.....	17	2,249	531	1,718	38	458	
Floyd.....	4	183	78	105	31	33	96	\$200,000 to \$499,999.....	5	1,478	1,478	39	450	534	
Fulton.....	116	37,140	20,387	7,753	7,958	7,107	14,596	\$500,000 to \$999,999.....	3	1,021	1,110	12	303	1,200	
Glynn.....	3	273	242	31	72	50	97	\$1,000,000 and over.....	3	3,812	3,812	496	2,554		
Macon.....	15	3,069	2,530	539	264	858	1,162								
Richmond.....	23	3,727	3,321	406	538	817	1,600	ATLANTA	116	\$7,085	\$2,330	\$7,755	\$7,939	\$7,094	14,583
Troup.....	4	287	287	0	751	732	2,262	<i>Classification of establishments</i>							
Other counties ¹	23	3,427	2,000	1,358	109	655	1,635	General contractors.....	61	27,920	27,674	247	7,850	5,084	9,592
Principal city: ²								Building.....	41	16,467	16,467	0	6,598	2,372	4,956
Atlanta.....	115	37,085	20,330	7,755	7,939	7,094	14,583	Building not specialized.....	32	15,463	15,463	0	3,343	2,136	4,532
<i>Classification of establishments</i>								Commercial building only.....	4	599	599	0	180	112	210
General contractors.....	132	43,895	43,698	296	10,498	8,545	16,411	Residential building only.....	5	435	435	0	66	125	204
Building.....	90	25,779	25,779	0	8,761	4,397	9,073	Highway.....	0	6,692	6,670	21	466	1,548	3,210
Building not specialized.....	73	23,791	23,791	0	8,206	3,963	8,259	Bridge, culvert, and railroad.....	5	3,119	2,804	226	751	709	771
Commercial building only.....	5	608	608	0	180	117	247	Sewer, gas, water, conduit.....	3	1,047	1,047	0	23	242	447
Residential building only.....	12	1,380	1,380	0	363	318	507	Other classes ³	3	605	605	0	12	213	200
Highway.....	18	10,935	9,000	1,935	615	2,133	4,773	Subcontractors.....	54	9,165	1,656	7,509	80	2,010	4,991
Bridge, culvert, and railroad.....	13	4,745	4,510	230	954	1,274	1,176	Concrete ⁴	4	885	2	883	39	257	262
Street paving.....	3	915	915	0	52	96	457	Electrical.....	10	2,527	503	2,024	3	545	1,433
Sewer, gas, water, conduit.....	3	1,047	1,047	0	28	242	447	Elevator construction ⁵	4	1,561	91	1,470	0	232	1,082
Other classes ³	5	1,374	1,374	0	98	402	483	Heating and plumbing.....	18	2,260	909	1,358	12	469	1,328
Subcontractors.....	98	13,182	2,242	10,941	80	2,748	7,213	Heating and piping ⁶	5	414	201	154	3	73	216
Concrete ⁴	6	950	43	907	39	272	302	Plumbing.....	13	1,851	648	1,204	0	360	1,112
Electrical.....	21	3,906	783	2,583	3	719	1,855	Glazing, painting and decorating.....	3	400	400	35	5	196	
Elevator construction ⁵	1	1,025	91	1,534	0	247	1,116	Roofing and sheet-metal work.....	6	461	138	323	0	98	194
Heating and plumbing.....	35	3,372	1,154	2,219	12	609	1,933	Marble, tiling, and plastering.....	9	1,006	14	1,052	0	349	495
Heating and piping ⁶	7	495	204	201	3	83	275	<i>Size of business groups</i>							
Plumbing.....	28	2,877	860	2,018	9	610	1,658	General contractors.....	61	27,920	27,674	247	7,850	5,084	9,592
Painting, decorating, and glazing.....	5	497	0	497	35	103	220	\$25,000 to \$49,999.....	4	154	154	0	43	34	44
Plastering and lathing.....	4	374	0	374	105	122	105	\$50,000 to \$99,999.....	15	1,061	1,061	0	247	233	397
Roofing and sheet-metal work.....	12	808	159	709	197	377	105	\$100,000 to \$199,999.....	15	2,051	2,051	0	413	433	783
Roofing.....	8	570	138	438	120	239	105	\$200,000 to \$499,999.....	15	5,344	5,323	21	1,040	1,351	1,820
Roofing and sheet metal combined.....	4	292	21	271	0	68	138	\$500,000 to \$999,999.....	4	3,262	3,036	226	903	379	1,379
Marble and tiling.....	10	2,130	14	2,116	3	317	1,282	\$1,000,000 and over.....	8	16,047	16,047	0	5,204	2,606	5,169
<i>Size of business groups</i>								Building contractors.....	41	16,467	16,467	0	6,598	2,372	4,956
General contractors.....	132	43,895	43,698	296	10,498	8,545	16,411	\$25,000 to \$49,999.....	4	154	154	0	43	34	44
\$25,000 to \$49,999.....	26	1,001	1,001	0	137	207	411	\$50,000 to \$99,999.....	13	920	920	0	235	203	358
\$50,000 to \$99,999.....	30	2,130	2,125	5	396	536	863	\$100,000 to \$199,999.....	10	1,303	1,303	0	356	305	502
\$100,000 to \$199,999.....	29	4,152	4,108	44	769	978	1,398	\$200,000 to \$499,999.....	7	2,183	2,183	0	798	404	706
\$200,000 to \$499,999.....	27	8,653	8,632	21	1,792	2,030	3,055	\$500,000 to \$999,999.....	2	1,757	1,757	0	802	200	587
\$500,000 to \$999,999.....	10	7,442	7,216	226	1,400	1,084	3,345	\$1,000,000 and over.....	5	10,160	10,150	0	4,364	1,227	2,768
\$1,000,000 and over.....	10	20,518	20,518	0	5,974	3,051	7,339	Subcontractors.....	54	9,165	1,656	7,509	80	2,010	4,991
Building contractors.....	90	25,779	25,779	0	8,761	4,397	9,073	\$25,000 to \$49,999.....	17	590	46	544	0	149	230
\$25,000 to \$49,999.....	20	774	774	0	132	206	332	\$50,000 to \$99,999.....	17	1,388	166	1,222	0	302	672
\$50,000 to \$99,999.....	25	1,798	1,798	0	384	436	761	\$100,000 to \$199,999.....	11	1,529	326	1,203	38	315	742
\$100,000 to \$199,999.....	20	2,788	2,788	0	742	649	1,040	\$200,000 to \$499,999.....	4	1,212	1,212	39	395	383	
\$200,000 to \$499,999.....	16	4,510	4,510	0	1,501	915	1,563	\$500,000 to \$999,999.....	3	1,021	1,119	802	12	393	1,200
\$500,000 to \$999,999.....	3	2,359	2,359	0	1,022	323	741	\$1,000,000 and over.....	2	2,527	2,527	0	395	1,704	
\$1,000,000 and over.....	6	13,550	13,550	0	4,950	1,870	4,640								

¹ Includes Baldwin, Colquitt, De Kalb, Hall, Houston, Jefferson, Lowndes, Macon, Mitchell, Newton, Pickens, Spalding, Sumter, Toombs, Upson, Walton, Ware, Whitfield, and Worth, for which data can not be shown separately without revealing individual operations. From areas other than those listed, no reports were received for establishments which handled as much as \$25,000 business during 1929.

² Figures included in respective county totals.

³ Includes grading; waterworks; dredging, river, harbor, etc.; and central station light and power plant.

⁴ Includes masonry and stonework.

⁵ Includes steel erection and ornamental iron.

⁶ Includes plumbing and heating combined.

⁷ Includes water works; grading; and central station, light and power plant.

⁸ Includes steel erection.

CONSTRUCTION—GEORGIA

TABLE 2.—CONSTRUCTION BUSINESS OF REPORTING ESTABLISHMENTS DURING 1929, BY CLASS OF OWNERSHIP AND BY TYPE OF WORK

CLASS OF OWNERSHIP AND TYPE OF CONSTRUCTION WORK	CONSTRUCTION BUSINESS REPORTED BY—						CLASS OF OWNERSHIP AND TYPE OF CONSTRUCTION WORK	CONSTRUCTION BUSINESS REPORTED BY—					
	All classes of establishments		General contractors		Subcontractors			All classes of establishments		General contractors		Subcontractors	
	Number reporting	Value	Number reporting	Value	Number reporting	Value		Number reporting	Value	Number reporting	Value	Number reporting	Value
GEORGIA						GEORGIA—Continued							
All construction business.....	230	\$57,077,209	132	\$43,894,717	98	\$13,182,492	All business under subcontract—Continued.....						
Distribution not reported.....	19	1,851,401	8	826,380	11	1,026,021	Distribution by class—Con.						
Distributed by class of ownership.	211	55,225,808	124	43,069,337	87	12,156,471	Steel erection.....	2	\$311,424	1	(1)	1	(1)
Private.....	187	31,818,171	102	22,934,186	85	8,833,986	Metal work, n. c. s.....	11	2,070,237			11	\$2,079,237
Quasi public or community.....	52	3,478,456	22	2,174,024	30	1,304,432	Marble and tiling.....	3	45,157			3	45,157
Public.....	82	10,029,181	48	17,961,128	34	1,938,053	Other classes ¹						
Distribution not reported.....	8	1,172,609	2	375,251	6	797,448							
Distributed by class of public ownership.....	74	18,756,482	46	17,585,877	28	1,170,605	ATLANTA						
Federal.....	15	1,062,422	4	367,190	11	695,232	All construction business.....	115	37,085,327	61	\$27,920,133	54	9,165,194
State.....	42	11,891,000	32	11,814,991	10	76,009	Distribution not reported.....	6	545,093	1	52,478	5	492,615
County or township.....	22	2,178,190	11	1,174,224	11	103,960	Distributed by class of ownership.....	109	36,540,234	60	27,867,655	49	8,672,579
Municipal.....	31	4,524,870	18	4,220,472	13	295,398	Private.....	99	21,300,672	52	14,472,467	47	6,828,205
All business under general contract or directly for owners.....	159	45,840,247	131	43,598,257	28	2,241,980	Quasi public or community.....	28	1,968,928	9	1,470,943	10	497,985
Building.....	121	27,139,876	96	25,599,591	25	1,540,285	Public.....	43	13,270,634	21	11,924,245	22	1,346,380
Distribution not reported.....	12	1,295,307	11	1,204,153	1	91,164	Distribution not reported.....	4	1,074,453	1	350,000	3	724,463
Distributed by class.....	109	25,844,509	85	24,395,438	24	1,449,131	Distributed by class of public ownership.....	39	12,196,181	20	11,574,245	19	621,930
Commercial.....	63	6,946,505	50	6,884,025	13	62,570	Federal.....	9	306,296	1	(1)	8	(1)
Educational.....	27	1,900,398	20	1,864,577	7	44,821	State.....	24	7,793,027	10	7,724,323	8	98,704
Hotel.....	9	1,333,821	8	1,574,815	1	45,204	County or township.....	9	340,624	2	(1)	7	(1)
Hospital and institutional.....	9	286,198	5	3,101,907	5	473,500	Municipal.....	18	3,761,234	8	3,471,036	10	280,198
Manufacturing.....	21	3,575,407	16	1,080,094	2	19,323	All business under general contract or directly for owners.....	73	29,329,840	60	27,673,613	13	1,656,227
Military and naval.....	2	2,000,017	6	498,497	4	109,816	Building.....	57	17,215,714	46	16,221,192	11	994,522
Public: Courts, jails, etc.....	8	608,313	10	7,161,505	20	402,859	Distribution not reported.....	5	351,947	4	260,793	1	91,154
Religious and memorial.....	14	7,024,364	11	1,098,627	3	2,917	Distributed by class.....	52	10,863,767	42	15,960,399	10	903,308
Residential.....	80	14,101,544	1	47,459	2	228,121	Commercial.....	36	6,024,965	30	5,986,997	6	37,968
Social and recreational.....	14	1,101,544	1	47,459	2	228,121	Educational.....	2	1,244,481	8	(1)	2	(1)
Air transport.....	1	47,459	2	228,121	6	228,121	Hotel.....	5	1,122,570	4	1,810,370	1	3,899
Rail and water transportation.....	2	47,459	2	228,121	2	(1)	Hospital and institutional.....	3	191,699	1	(1)	2	(1)
Miscellaneous.....	17	411,466	11	183,335	6	228,121	Manufacturing.....	8	2,378,940	6	(1)	2	(1)
Highway and street.....	29	9,662,935	27	1,183,047	3	1,183,047	Religious and memorial.....	6	471,192	3	1,430,067	2	97,883
Railroad and car line.....	3	1,183,047	3	1,183,047	26	6,873,485	Social and recreational.....	9	1,056,758	7	2,110,145	9	244,093
Public works and utilities.....	26	6,873,485	2	2,085,560	2	2,085,560	Residential.....	35	2,360,838	26	2,110,145	9	244,093
Distribution not reported.....	2	2,085,560	2	2,085,560	2	2,085,560	Public: Courts, jails, etc.....	5	1,826,158	4	1,967,935	1	44,389
Distributed by class.....	24	4,787,925	24	4,787,925			Air transport.....	1	187,160	5	(1)	1	(1)
Bridge, tunnel, etc.....	17	3,043,601	17	3,043,601			Miscellaneous.....	8	187,160	3	(1)	1	(1)
Central station, light and power plant.....	2	48,617	2	48,617			Highway and street.....	14	5,555,558	13	4,958,836	13	4,958,836
Park, grounds, etc.....	1	48,617	1	48,617			Public works and utilities.....	13	4,958,836	13	4,958,836	2	2,085,560
Dock, pier, retaining wall, etc.....	1	48,617	1	48,617			Distribution not reported.....	2	2,085,560	2	2,085,560		
Flood control, irrigation, and land drainage.....	2	775,427	2	775,427			Distributed by class.....	11	2,873,276	11	2,873,276		
River and harbor improvement.....	2	775,427	2	775,427			Bridge, tunnel, etc.....	7	1,918,609	7	1,918,609		
Sewage disposal and drainage.....	4	769,470	4	769,470			Sewage disposal and drainage.....	3	765,200	3	765,200		
Water supply.....	3	150,810	3	150,810			Central station, light and power plant.....	1	189,467	1	189,467		
Water power development.....	1	980,854	1	980,854			Flood control, irrigation, and land drainage.....	2	189,467	2	189,467		
Miscellaneous ²	5	980,854	3	980,854	2	(1)	Water supply.....	1	189,467	1	189,467		
All business under subcontract.....	95	11,230,962	5	296,460	90	10,940,502	Railroad and car line.....	2	1,599,732	2	(1)	1	(1)
Distribution not reported.....	1	45,432	1	45,432			Miscellaneous, n. c. s. ³	3	1,599,732	2	(1)	1	(1)
Distributed by class.....	94	11,191,530	4	251,028	90	10,940,502	All business under subcontract.....	53	7,755,487	8	246,520	50	7,508,967
Concreting.....	7	927,476	3	(1)	4	(1)	Concreting.....	5	903,468	2	(1)	3	(1)
Masonry.....	1	927,476	1	(1)	1	(1)	Masonry.....	1	903,468	1	(1)	1	(1)
Stonework.....	1	927,476	1	(1)	1	(1)	Stonework.....	1	903,468	1	(1)	1	(1)
Electrical.....	21	2,543,300			21	2,543,300	Electrical.....	10	1,988,966			10	1,988,966
Elevator construction.....	2	1,455,945			2	1,455,945	Heating and plumbing.....	1	515,963			1	515,963
Ornamental iron.....	1	1,455,945			1	1,455,945	Heating and piping.....	9	393,927			9	393,927
Heating and plumbing.....	2	2,372,993			2	2,372,993	Plumbing.....	13	931,990			13	931,990
Heating and piping.....	21	663,611			21	663,611	Plumbing and heating combined.....	2	190,046			2	190,046
Pipe covering.....	3	6,430			3	6,430	Automatic sprinkler systems.....	2	190,046			2	190,046
Plumbing.....	25	1,512,906			25	1,512,906	Painting and decorating.....	1	454,079			1	454,079
Plumbing and heating combined.....	2	190,046			2	190,046	Glass and glazing.....	1	454,079			1	454,079
Automatic sprinkler systems.....	2	190,046			2	190,046	Plastering and lathing.....	1	454,079			1	454,079
Painting and decorating.....	3	259,986			3	259,986	Soundproofing.....	1	454,079			1	454,079
Glass and glazing.....	1	259,986			1	259,986	Roofing and sheet-metal work.....	8	436,762			8	436,762
Plastering and lathing.....	5	376,352			5	376,352	Roofing.....	8	335,597			8	335,597
Roofing and sheet-metal work.....	10	429,214			10	429,214	Sheet-metal work.....	5	101,165			5	101,165
Roofing.....	9	390,446			9	390,446	Elevator construction.....	2	1,695,791			2	1,695,791
Sheet-metal work.....	1	390,446			1	390,446	Steel erection.....	1	700,458			1	700,458
Roofing and sheet metal combined.....	2	390,446			2	390,446	Marble and tiling.....	8	700,458			8	700,458

¹ Value omitted in order to avoid disclosing individual operations. The amounts omitted are, however, included in the respective totals.

² Includes one subcontractor's establishment reporting work on automatic sprinkler systems.

³ Includes establishments doing the following types of subcontract work: Excavating, 1; grading, 1; soundproofing, 1.

CONSTRUCTION—GEORGIA

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TABLE 3.—CONSTRUCTION BUSINESS DURING 1929, BY LOCATION

CLASSIFICATION OF ESTABLISHMENTS	Establishments reporting	Total	In home city	In home State	Outside home State	CLASSIFICATION OF ESTABLISHMENTS	Establishments reporting	Total	In home city	In home State	Outside home State
GEORGIA	226	\$56,065,987	\$22,064,583	\$34,292,898	\$21,773,089	ATLANTA	113	\$36,571,015	\$15,894,499	\$23,554,556	\$13,016,459
General contractors.....	180	43,528,117	16,352,546	27,073,782	16,454,336	General contractors.....	60	27,785,133	12,123,066	18,440,059	9,330,074
Building.....	89	25,547,510	13,783,923	18,029,659	7,517,851	Building.....	41	16,467,328	10,529,051	12,479,512	3,987,810
Building not specialized.....	72	23,559,596	12,364,493	16,345,423	7,214,143	Building not specialized.....	32	15,463,377	9,590,593	11,475,561	3,987,810
Commercial building only.....	5	607,657	542,851	607,657	.....	Commercial building only.....	4	569,367	504,561	569,367	.....
Residential building only.....	12	1,380,287	876,579	1,076,579	303,708	Residential building only.....	5	434,584	434,584	434,584	.....
Highway.....	18	10,034,663	1,045,852	5,522,033	4,512,630	Highway.....	9	6,591,006	469,883	3,564,930	3,026,067
Bridge, culvert, and railroad.....	13	4,745,340	614,375	1,152,769	3,592,631	Bridge, culvert, and railroad.....	5	3,118,880	607,531	1,005,489	2,113,391
Street paving.....	3	914,725	201,402	201,402	623,323	Other classes ¹	5	1,607,019	515,951	1,399,119	207,900
Other classes ¹	7	2,285,879	616,994	2,077,979	207,900	Subcontractors.....	53	8,785,882	3,771,433	5,105,497	3,680,385
Subcontractors.....	96	12,537,870	5,712,037	7,219,116	5,318,754	Concrete ²	3	505,263	203,415	210,415	294,848
Concrete ²	5	570,373	243,415	275,525	294,848	Electrical.....	10	2,327,059	807,925	1,610,520	910,539
Electrical.....	21	3,365,854	1,473,713	2,330,244	1,029,610	Elevator construction ³	4	1,561,318	461,500	501,793	969,625
Elevator construction ³	5	1,025,396	506,500	644,793	980,603	Heating and plumbing.....	18	2,265,900	978,632	1,046,157	1,219,743
Heating and plumbing.....	34	3,107,150	1,703,832	1,804,551	1,302,599	Heating and piping ⁴	5	414,462	361,817	372,817	41,645
Heating and piping ⁴	7	495,199	437,452	449,012	46,187	Plumbing.....	13	1,851,438	616,865	673,340	1,178,098
Plumbing.....	27	2,611,951	1,266,380	1,355,539	1,256,412	Glazing, painting, and decorating.....	3	400,041	367,777	400,041	.....
Painting, decorating, and glazing.....	5	497,190	464,926	497,190	.....	Roofing and sheet-metal work.....	6	460,650	416,557	417,532	43,124
Plastering and lathing.....	4	373,831	219,594	249,874	123,957	Marble, tiling, and plastering.....	9	1,065,645	535,517	823,039	242,600
Roofing and sheet-metal work.....	12	807,756	670,455	728,875	138,881						
Roofing.....	8	575,930	519,327	522,282	53,648						
Roofing and sheet metal combined.....	4	291,826	160,128	206,593	85,233						
Marble and tiling.....	10	2,130,320	420,542	682,064	1,448,256						

¹ Includes grading; sewer, gas, water, conduit; waterworks; dredging, river, harbor, etc.; and central station, light and power plant.
² Includes masonry and stone work.
³ Includes ornamental iron and steel erection.
⁴ Includes plumbing and heating combined.
⁵ Includes grading; sewer, gas, water, conduit; waterworks; and central station, light and power plant.
⁶ Includes steel erection.

TABLE 4.—CONSTRUCTION BUSINESS OUTSIDE HOME STATE, BY LOCATION

STATE	LOCATION REPORTED BY—			STATE	LOCATION REPORTED BY—		
	All classes of establishments	General contractors	Subcontractors		All classes of establishments	General contractors	Subcontractors
GEORGIA				ATLANTA			
Total distributed by State ¹	\$21,773,089	\$16,454,335	\$5,318,754	Total distributed by State ²	\$13,016,459	\$9,330,074	\$3,680,385
Alabama.....	6,200,791	4,901,872	1,298,919	Alabama.....	3,512,917	2,271,076	1,249,941
Arkansas.....	93,915	38,400	55,515	Arkansas.....	55,515	.....	55,515
District of Columbia.....	843,285	.....	843,285	District of Columbia.....	358,285	.....	358,285
Florida.....	1,439,839	1,076,021	363,818	Florida.....	854,761	405,043	358,818
Kansas.....	30,000	.....	30,000	Kansas.....	30,000	.....	30,000
Kentucky.....	350,173	286,283	63,890	Kentucky.....	350,173	286,283	63,890
Louisiana.....	1,235,231	1,147,507	87,724	Louisiana.....	1,235,231	1,147,507	87,724
Maryland.....	49,129	49,129	.....	Maryland.....	49,129	49,129	.....
Michigan.....	200,000	.....	200,000	Mississippi.....	335,633	210,825	124,808
Mississippi.....	335,633	210,825	124,808	North Carolina.....	1,518,277	805,964	712,313
Missouri.....	245,000	.....	245,000	Ohio.....	30,000	.....	30,000
Nebraska.....	2,240,957	1,400,644	750,313	Oklahoma.....	30,000	.....	30,000
North Carolina.....	30,000	.....	30,000	South Carolina.....	830,210	609,372	169,838
Ohio.....	30,000	.....	30,000	Tennessee.....	1,408,635	1,171,012	237,623
Oklahoma.....	265,000	.....	265,000	Texas.....	20,000	.....	20,000
Pennsylvania.....	3,652,544	3,231,830	420,705	Virginia.....	929,773	832,593	97,270
South Carolina.....	1,934,798	1,607,175	237,623	West Virginia.....	14,004	14,004	.....
Tennessee.....	20,000	.....	20,000	Other States, n. s.....	1,435,826	1,381,466	54,360
Texas.....	20,000	.....	20,000				
Virginia.....	934,773	837,503	97,270				
West Virginia.....	14,004	14,004	.....			
Other States, n. s.....	1,627,927	1,473,043	154,884				

Number of establishments reporting:
¹ All classes, 83; general contractors, 45; subcontractors, 38.
² All classes, 41; general contractors, 21; subcontractors, 20.

CONSTRUCTION—GEORGIA

TABLE 5.—NUMBER AND SALARIES OF PROPRIETORS, FIRM MEMBERS, AND SALARIED EMPLOYEES: 1929

CLASSIFICATION OF ESTABLISHMENTS	Estab-lish-ments report-ing	PROPRIETORS AND FIRM MEMBERS			SALARIED EMPLOYEES									Sex not re-ported
		Re-ceiving no salary	Receiving salaries		All salaried employees		Officers and clerical staff		Superintendents, foremen, etc.		Number reported, by sex			
			Num-ber	Total annual salaries	Total number	Total annual salaries	Num-ber	Total annual salaries	Num-ber	Total annual salaries	Total	Male	Fe-male	
GEORGIA	226	133	75	\$326, 400	1, 087	\$2, 792, 747	530	\$1, 536, 435	557	\$1, 264, 312	912	800	112	175
General contractors.....	130	94	35	150, 277	792	2, 089, 712	317	1, 024, 949	475	1, 064, 763	684	623	61	108
Building.....	88	70	26	104, 797	329	869, 711	155	438, 956	174	430, 755	273	242	31	56
Building not specialized.....	72	55	26	104, 797	301	790, 004	138	389, 249	163	400, 755	245	217	28	56
Commercial building only.....	5	3			8	35, 893	7	34, 393	1	1, 500	8	7	1	
Residential building only.....	11	12			20	43, 814	10	15, 314	10	28, 500	20	18	2	
Highway.....	18	13	4	19, 680	294	756, 767	90	341, 488	204	415, 269	278	258	20	16
Bridge, culvert, and railroad.....	13	8	2	4, 800	92	277, 084	48	169, 734	44	107, 350	69	65	4	23
Street paving.....	3	1			14	44, 706	8	33, 690	6	11, 016	14	10	4	
Sewer, gas, water, conduit.....	3	1	2	9, 000	33	66, 143	6	16, 050	27	50, 093	33	32	1	
Other classes ¹	5	1	1	12, 000	30	75, 311	10	25, 031	20	50, 280	17	16	1	13
Subcontractors.....	96	39	40	176, 123	295	703, 035	213	513, 486	82	189, 549	228	177	51	67
Concreting ²	6	2	5	21, 100	20	57, 580	6	15, 180	14	42, 380	20	19	1	
Electrical.....	20	6	6	31, 040	72	221, 604	65	206, 424	7	15, 180	59	40	10	13
Elevator construction ³	5		2	16, 105	20	41, 626	13	25, 852	7	15, 774	13	10	3	7
Heating and plumbing.....	35	11	21	85, 056	92	185, 690	67	128, 475	25	57, 215	77	57	20	15
Heating and piping ⁴	7	1	2	10, 010	22	60, 306	18	52, 056	4	8, 250	19	15	4	3
Plumbing.....	28	10	19	75, 046	70	125, 384	49	70, 419	21	48, 965	58	42	16	12
Painting, decorating, and glazing.....	4	9			6	10, 287	2	1, 287	2	9, 000	6	5	1	
Plastering and lathing.....	4	3			13	22, 970	8	12, 301	5	10, 669	13	7	6	
Roofing and sheet-metal work.....	12	5	5	19, 760	32	61, 382	21	39, 132	11	22, 250	21	14	7	11
Roofing.....	8	3	4	17, 940	22	40, 771	14	25, 321	8	15, 450	11	6	5	11
Roofing and sheet metal combined.....	4	2	1	1, 820	10	20, 611	7	13, 811	3	6, 800	10	8	2	
Marble and tiling.....	10	3	1	3, 002	40	101, 916	31	84, 835	9	17, 081	19	16	3	21
ATLANTA	113	51	30	148, 495	742	1, 956, 647	364	1, 072, 058	388	894, 589	675	601	74	87
General contractors.....	60	35	14	67, 841	540	1, 425, 188	210	679, 963	330	745, 225	507	467	40	33
Building.....	40	29	10	34, 841	227	633, 201	107	322, 058	120	310, 543	203	179	24	24
Building not specialized.....	32	19	10	34, 841	214	588, 708	97	285, 485	117	303, 223	100	168	22	24
Commercial building only.....	4	2			7	34, 393	7	34, 393			7	6	1	
Residential building only.....	4	8			6	10, 100	3	2, 780	3	7, 320	6	5	1	
Highway.....	9	4	1	12, 000	218	541, 409	62	226, 000	156	315, 409	218	205	13	
Bridge, culvert, and railroad.....	5				43	142, 334	28	98, 234	15	44, 100	43	42	1	
Sewer, gas, water, conduit.....	3	1	2	9, 000	33	66, 143	6	16, 050	27	50, 093	33	32	1	
Other classes ¹	3	1	1	12, 000	19	42, 101	7	17, 021	12	25, 080	10	9	1	9
Subcontractors.....	53	16	16	80, 654	202	531, 459	144	392, 095	58	139, 364	168	134	34	34
Concreting ²	4	1	4	18, 700	20	57, 580	6	15, 180	14	42, 380	20	19	1	
Electrical.....	10	3	3	21, 440	43	170, 434	30	161, 654	4	8, 480	40	36	4	3
Elevator construction ³	4				19	46, 966	12	25, 192	7	15, 774	12	9	3	7
Heating and plumbing.....	18	4	7	30, 694	62	130, 358	43	88, 794	19	41, 564	55	43	12	7
Heating and piping ⁴	5		2	10, 010	19	54, 056	16	47, 550	3	6, 500	16	12	4	3
Plumbing.....	13	4	5	20, 684	43	76, 302	27	41, 238	16	35, 064	39	31	8	4
Roofing and sheet-metal work.....	6	1	2	9, 820	22	40, 615	14	24, 905	8	15, 710	11	6	5	11
Marble and tiling.....	8	3			25	71, 876	22	63, 795	3	8, 081	19	16	3	6
Other classes ¹	3	4			11	19, 650	8	12, 275	3	7, 375	11	5	6	

¹ Includes grading; waterworks; dredging, river, harbor, etc.; and central station, light and power plant.
² Includes masonry and stone work.
³ Includes steel erection and ornamental iron.
⁴ Includes plumbing and heating combined.
⁵ Includes waterworks; grading; and central station, light and power plant.
⁶ Includes steel erection.
⁷ Includes painting and decorating; glass and glazing; and plastering and lathing.

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TABLE 6.—VALUE OF CONSTRUCTION EQUIPMENT, IN COMPARISON WITH CONSTRUCTION BUSINESS AND WAGES PAID DURING 1929

CLASSIFICATION OF ESTABLISHMENTS AND PERCENTAGE OF EQUIPMENT OWNED	Establishments reporting	EQUIPMENT		Value of construction business reported	Wages paid	CLASSIFICATION OF ESTABLISHMENTS AND PERCENTAGE OF EQUIPMENT OWNED	Establishments reporting	EQUIPMENT		Value of construction business reported	Wages paid
		Purchased during the year	Inventory value at end of year					Purchased during the year	Inventory value at end of year		
GEORGIA	205	\$766,600	\$4,049,258	\$53,214,289	\$10,703,764	ATLANTA	105	\$497,190	\$2,689,800	\$36,224,929	\$6,954,856
<i>Classification of establishments</i>						<i>Classification of establishments</i>					
General contractors.....	120	592,756	3,030,194	42,192,115	8,260,007	General contractors.....	55	342,015	2,380,212	27,255,875	4,003,839
Building.....	80	91,757	410,199	24,989,791	4,219,339	Building.....	39	53,197	217,111	16,131,353	2,314,295
Building not specialized.....	65	87,465	381,276	23,176,847	3,814,570	Building not specialized.....	28	49,705	201,291	15,237,402	2,097,675
Commercial building only.....	5	989	19,770	607,657	117,116	Commercial building only.....	4	683	12,570	599,387	111,659
Residential building only.....	10	2,309	15,190	1,205,287	287,653	Residential building only.....	4	2,809	8,250	324,584	104,681
Highway.....	17	267,088	2,005,000	9,449,063	2,058,109	Highway.....	9	159,455	1,404,675	6,591,906	1,547,917
Bridge, culvert, and railroad.....	12	121,821	602,164	4,417,057	1,241,790	Bridge, culvert, and railroad.....	4	55,908	414,925	2,760,597	676,456
Street paving.....	3	11,895	94,413	914,725	96,332	Sewer, gas, water, conduit.....	3	58,151	106,066	1,047,000	242,327
Sewer, gas, water, conduit.....	3	58,151	106,066	1,047,000	242,327	Other classes ¹	3	15,304	147,435	695,019	212,844
Other classes ¹	5	41,174	322,152	1,373,879	402,110	Subcontractors.....	50	155,175	309,648	8,969,054	1,961,017
Subcontractors.....	85	173,844	410,064	11,022,184	2,443,757	Concrete ²	4	112,896	137,598	884,575	257,006
Concreting ²	6	116,306	151,508	949,685	271,906	Electrical.....	10	13,193	50,158	2,627,059	545,249
Electrical.....	19	17,768	70,539	3,135,254	670,542	Elevator construction ³	3	8,699	46,060	1,470,164	214,063
Elevator construction ³	4	10,248	53,447	1,634,242	228,833	Heating and plumbing.....	15	8,019	36,926	2,100,914	438,405
Heating and plumbing.....	20	10,932	65,431	2,818,906	560,570	Heating and piping ⁴	5	840	7,172	414,462	73,186
Heating and piping.....	7	865	10,022	495,199	83,437	Plumbing.....	10	7,176	29,764	1,746,452	365,219
Plumbing.....	19	10,067	55,409	2,323,707	477,142	Glazing, painting, and decorating.....	3	1,500	6,261	400,041	58,832
Painting, decorating, and glazing.....	5	5,000	10,561	497,190	103,207	Roofing and sheet-metal work.....	6	2,108	12,342	460,656	98,500
Plastering and lathing.....	4	9,921	6,453	373,831	195,006	Marble, tiling, and plastering.....	9	8,850	20,303	1,065,645	348,962
Roofing and sheet-metal work.....	12	3,933	44,235	867,756	196,507	<i>Percentage of equipment owned</i>					
Roofing.....	8	2,026	21,221	576,930	128,642	General contractors.....	55	342,015	2,380,212	27,255,875	4,003,839
Roofing and sheet metal combined.....	4	1,907	23,014	201,826	67,865	None.....	3			239,333	54,276
Marble and tiling.....	0	2,646	16,800	845,320	217,177	1% to 25%.....	1		1,200	105,750	24,248
<i>Percentage of equipment owned</i>						26% to 50%.....	1	670	1,615	51,851	9,719
General contractors.....	120	592,756	3,030,194	42,192,115	8,260,007	51% to 75%.....	4	1,675	7,850	410,634	75,152
None.....	6			536,010	133,978	76% to 99%.....	16	146,491	1,017,044	14,078,851	2,573,583
1% to 25%.....	2	1,200	5,200	444,625	70,230	100%.....	28	182,459	1,311,513	11,636,102	2,021,320
26% to 50%.....	2	670	2,015	171,851	31,210	Not reported.....	2	10,750	41,090	727,354	235,541
51% to 75%.....	4	1,675	7,850	416,634	75,152	Subcontractors.....	50	155,175	309,648	8,969,054	1,961,017
76% to 99%.....	22	246,643	1,243,384	16,005,344	2,941,023	None.....	3			306,759	48,571
100%.....	32	331,818	2,330,655	23,889,697	4,772,864	76% to 99%.....	1	1,032	780	340,000	86,000
Not reported.....	2	10,750	41,090	727,354	235,541	100%.....	41	162,852	300,401	8,067,500	1,767,220
Subcontractors.....	85	173,844	410,064	11,022,184	2,443,757	Not reported.....	5	1,291	8,467	254,795	50,226
None.....	7			459,166	95,804						
1% to 25%.....											
26% to 50%.....											
51% to 75%.....											
76% to 99%.....	1	1,032	780	340,000	80,000						
100%.....	72	171,521	400,817	9,967,223	2,202,637						
Not reported.....	5	1,291	8,467	254,795	50,226						

¹ Includes grading; waterworks; dredging, river, harbor, etc.; and central station, light and power plant.

² Includes masonry and stonework.

³ Includes ornamental iron and steel erection.

⁴ Includes plumbing and heating combined.

⁵ Includes waterworks; grading; and central station, light and power plant.

⁶ Includes steel erection.

CONSTRUCTION—GEORGIA

TABLE 7.—WAGE EARNERS, BY MONTHS, AND WAGES PAID DURING 1929

CLASSIFICATION OF ESTABLISHMENTS AND LENGTH OF WORKING WEEK	Estab-lish-ments reporting	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY												Wages paid during year
		January	February	March	April	May	June	July	August	September	October	November	December	
GEORGIA	193	7,628	7,699	8,227	10,741	12,128	12,987	12,698	12,680	12,871	11,812	9,897	8,541	\$10,180,000
<i>Classification of establishments</i>														
General contractors	108	6,180	6,288	6,622	8,915	10,227	10,985	10,612	10,617	10,268	9,715	8,055	6,743	7,632,707
Building	72	2,342	2,429	2,788	4,478	5,212	5,713	4,860	4,708	4,675	4,199	3,327	2,693	3,827,031
Building not specialized	58	2,147	2,173	2,633	4,077	4,771	5,302	4,304	4,267	4,344	3,887	3,040	2,355	3,421,430
Commercial building only	4	40	68	41	130	114	154	128	69	93	90	78	78	111,639
Residential building only	10	155	183	214	271	278	297	332	313	262	219	197	160	293,953
Highway	16	2,167	2,131	2,123	2,386	2,814	2,911	3,533	3,770	3,560	3,700	3,077	2,559	1,985,541
Bridge, culvert, and railroad	11	1,045	990	958	1,138	1,224	1,295	1,367	1,358	1,231	1,237	1,140	1,174	1,221,819
Street paving	3	288	283	289	272	261	265	87	71	74	43	38	20	90,332
Other classes ¹	6	344	455	464	641	716	811	775	710	710	527	473	397	501,084
Subcontractors	85	1,440	1,411	1,605	1,826	1,899	1,982	1,980	2,063	2,103	2,097	1,842	1,798	2,557,353
Concreting ²	5	104	110	148	144	154	186	185	218	186	136	89	80	207,406
Electrical	21	399	400	471	560	598	544	626	636	625	660	579	596	718,501
Elevator construction ³	4	103	99	107	116	149	182	194	194	217	198	158	140	228,833
Heating and plumbing	27	393	381	395	411	397	407	355	367	413	425	412	368	571,057
Heating and piping ⁴	7	46	63	48	45	54	58	55	64	68	74	75	63	83,437
Plumbing	20	347	328	347	366	343	349	300	293	345	351	337	305	487,620
Painting, decorating, and glazing	5	47	40	42	50	56	59	63	63	73	80	93	77	103,207
Plastering and lathing	3	70	44	43	127	142	191	128	143	172	114	115	158	182,155
Roofing and sheet-metal work	11	140	157	187	187	191	195	210	193	190	251	200	205	184,807
Roofing	7	75	93	131	122	135	126	162	127	126	170	134	142	116,642
Roofing and sheet metal combined	4	71	64	56	65	56	69	68	66	64	81	66	63	67,895
Marble and tiling	9	178	180	212	225	212	218	235	259	227	233	190	174	301,297
<i>Length of working week</i>														
General contractors	108	6,186	6,288	6,622	8,915	10,227	10,985	10,612	10,617	10,268	9,715	8,055	6,743	7,632,707
40-hour, 5-day week	1	3	3	3	3	8	8	8	8	8	3	3	3	12,000
45-hour, 5-day week	1	3	3	3	3	8	8	8	8	8	3	3	3	12,000
50-hour, 5-day week	1	3	3	3	3	8	8	8	8	8	3	3	3	12,000
All other 5-day week	22	920	879	898	907	1,089	1,309	1,494	1,544	1,564	1,331	1,374	978	1,109,562
44-hour, 5½-day week	1	6	8	8	12	12	12	12	12	12	10	5	5	24,000
49½-hour, 5½-day week	25	1,362	1,636	2,087	3,625	4,402	4,712	3,742	3,393	3,476	2,906	2,020	1,471	2,440,965
55-hour, 5½-day week	30	688	616	487	760	888	985	997	1,008	907	931	736	651	961,892
All other 5½-day week	3	147	20	29	43	145	182	194	128	64	45	169	152	135,830
48-hour, 6-day week	1	65	65	63	58	52	46	35	35	35	35	35	35	11,874
54-hour, 6-day week	19	2,671	2,869	2,702	3,284	3,265	3,349	3,767	4,077	3,852	3,772	3,237	3,013	2,505,695
60-hour, 6-day week	2	155	144	218	274	330	333	300	307	323	639	442	427	193,025
All other 6-day week	2	57	38	58	42	40	43	66	43	65	66	53	37	68,976
All other not designated	2	112	10	9	7	6	6	7	7	12	12	10	6	30,882
Not reported	2	112	10	9	7	6	6	7	7	12	12	10	6	30,882
Subcontractors	85	1,440	1,411	1,605	1,826	1,899	1,982	1,980	2,063	2,103	2,097	1,842	1,798	2,557,353
40-hour, 5-day week	2	31	37	60	65	80	80	74	85	72	32	15	15	88,223
45-hour, 5-day week	1	6	6	8	12	12	12	12	12	12	26	26	26	12,680
50-hour, 5-day week	1	49	67	83	86	85	95	88	78	77	72	76	63	100,000
All other 5-day week	48	698	665	633	774	736	813	706	868	911	916	841	844	1,226,805
44-hour, 5½-day week	1	6	6	6	6	6	6	4	0	0	6	6	6	7,800
49½-hour, 5½-day week	3	19	19	24	34	36	41	40	47	47	44	32	33	34,529
55-hour, 5½-day week	11	236	227	317	413	438	374	425	429	486	433	350	347	382,171
All other 5½-day week	7	213	198	202	216	256	295	281	256	238	260	265	235	280,092
48-hour, 6-day week	3	19	22	22	24	29	31	30	30	29	20	22	22	57,283
54-hour, 6-day week	1	6	6	11	11	11	8	15	12	10	15	12	0	12,947
60-hour, 6-day week	6	104	108	130	130	142	127	145	119	126	140	102	107	131,637
All other 6-day week	1	53	50	59	56	82	102	106	121	139	118	95	91	194,117
All other not designated	1	53	50	59	56	82	102	106	121	139	118	95	91	194,117
Not reported	1	53	50	59	56	82	102	106	121	139	118	95	91	194,117
ATLANTA														
General contractors	53	3,684	3,819	3,945	4,872	5,817	6,363	6,329	6,452	6,288	5,977	4,904	4,096	4,532,208
Building	37	1,424	1,465	1,580	2,114	2,760	3,102	2,669	2,753	2,575	2,320	1,782	1,388	2,093,208
Building not specialized	29	1,347	1,336	1,469	1,836	2,496	2,947	2,409	2,519	2,448	2,177	1,643	1,261	1,865,048
Commercial building only	4	40	68	41	130	163	114	154	128	69	93	90	78	111,639
Residential building only	4	37	61	70	98	101	101	106	106	68	60	49	49	115,081
Highway	8	1,456	1,678	1,596	1,887	2,037	2,096	2,590	2,726	2,725	2,741	2,287	1,772	1,440,707
Bridge, culvert, and railroad	4	533	474	525	572	665	659	642	588	624	614	615	664	676,485
Other classes ¹	4	221	302	244	299	355	446	428	386	364	302	280	272	312,718
Subcontractors	49	1,032	1,003	1,146	1,341	1,435	1,483	1,496	1,493	1,557	1,531	1,327	1,271	1,940,670
Concreting ²	4	99	104	142	134	144	171	170	203	171	121	84	76	257,006
Electrical	10	301	301	350	433	472	406	481	487	486	507	439	446	545,249
Elevator construction ³	3	63	60	69	108	142	175	186	183	205	186	147	123	214,003
Heating and plumbing	15	283	291	301	319	291	295	247	230	284	311	313	270	430,347
Heating and piping ⁴	5	35	42	37	37	36	43	42	46	56	64	62	51	73,186
Plumbing	10	248	249	264	282	252	252	205	184	228	247	251	219	366,161
Glazing, painting, and decorating	3	26	24	24	27	30	31	32	38	46	39	47	36	68,832
Roofing and sheet-metal work	6	65	84	113	109	123	125	141	113	109	148	114	125	98,500
Marble, tiling, and plastering	8	165	109	117	211	233	280	239	256	219	183	190	190	333,082

¹ Includes sewer, gas, water, conduit; waterworks; dredging, river, harbor, etc.; and central station, light and power plant.
² Includes masonry and stone work.
³ Includes ornamental iron and steel erection.
⁴ Includes plumbing and heating combined.
⁵ Includes sewer, gas, water, conduit; waterworks; and central station, light and power plant.
⁶ Includes steel erection.

TABLE 7.—WAGE EARNERS, BY MONTHS, AND WAGES PAID DURING 1929—Continued

CLASSIFICATION OF ESTABLISHMENTS AND LENGTH OF WORKING WEEK	Establishments reporting	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY												Wages paid during year
		January	February	March	April	May	June	July	August	September	October	November	December	
ATLANTA—Continued.														
<i>Length of working week¹</i>														
General contractors.....	53	3,684	3,819	3,945	4,872	5,817	6,363	6,329	6,452	6,288	5,077	4,904	4,096	\$4,532,208
44-hour, 5½-day week.....	0	599	514	533	508	619	781	863	914	841	602	604	483	637,958
49½-hour, 5½-day week.....	1	6	8	8	12	12	12	12	12	7	10	5	5	24,000
55-hour, 5½-day week.....	12	721	1,003	1,120	1,506	2,367	2,066	2,255	2,022	2,070	1,060	1,204	820	1,278,910
All other 5½-day week.....	23	581	524	428	701	773	854	827	943	797	822	649	627	828,540
48-hour, 6-day week.....	1	1	2	6	14	11	14	10	8	8	4	10	8	15,760
60-hour, 6-day week.....	7	1,611	1,723	1,808	2,104	2,010	2,012	2,316	2,568	2,533	2,776	2,402	2,225	1,673,059
All other not designated.....	1	54	55	33	20	19	18	39	38	20	31	20	22	34,100
Not reported.....	2	112	10	9	7	6	6	7	7	12	12	10	6	89,882
Subcontractors.....	49	1,032	1,003	1,140	1,341	1,435	1,483	1,490	1,493	1,557	1,531	1,327	1,271	1,940,079
40-hour, 5-day week.....	2	31	37	60	65	68	80	74	85	72	32	15	15	88,223
44-hour, 5½-day week.....	30	617	482	484	575	553	607	553	585	647	685	582	572	904,020
55-hour, 5½-day week.....	6	14	13	18	24	26	26	25	32	32	29	27	29	44,129
All other 5½-day week.....	6	163	161	241	327	356	296	349	353	361	367	283	272	282,025
48-hour, 6-day week.....	2	145	147	145	155	200	241	228	188	171	206	213	178	224,714
54-hour, 6-day week.....	1	7	7	7	7	8	8	7	7	8	8	7	7	15,080
60-hour, 6-day week.....	1	6	6	11	11	11	8	15	12	10	8	12	9	12,947
All other 6-day week.....	4	96	100	121	121	131	115	134	110	117	131	93	98	120,815
Not reported.....	1	53	50	59	50	82	102	100	121	139	118	95	91	194,117

¹ For complete classification see tabulation for the State above.

TABLE 8.—EXPENDITURES OF REPORTING ESTABLISHMENTS: 1929

CLASSIFICATION OF ESTABLISHMENTS	Establishments reporting	Value of construction business reported	PRINCIPAL ITEMS OF EXPENDITURE			OTHER ITEMS OF EXPENDITURE							
			Subcontract work let	Wages paid	Cost of materials	Salaries		Rent for		Interest	Contract bond premiums	Compensation and liability insurance premiums	All other overhead expenses
						Proprietors and firm members	Employees	Equipment	Offices, etc.				
GEORGIA.....	191	\$45,861,413	\$7,940,000	\$9,281,045	\$19,876,772	\$283,337	\$2,412,371	\$83,364	\$156,133	\$228,280	\$196,576	\$296,322	\$2,460,331
General contractors.....	104	34,142,522	7,860,000	6,805,744	13,540,864	134,179	1,746,580	81,557	68,416	190,276	177,897	249,097	1,502,824
Building.....	70	20,512,027	6,313,000	3,751,073	8,083,421	90,379	744,274	16,307	38,704	63,872	67,290	128,185	318,856
Building not specialized.....	02	18,904,090	5,908,000	3,355,631	7,424,688	90,379	676,861	15,391	31,795	54,529	65,844	119,001	287,900
Commercial building only.....	4	569,367	189,000	111,639	219,406	---	34,393	766	2,323	1,030	1,455	4,100	7,663
Residential building only.....	10	1,038,570	218,000	283,903	439,327	---	33,520	150	4,586	8,318	---	4,484	23,303
Highway.....	12	7,397,334	594,000	1,555,135	3,379,343	18,000	647,977	14,205	17,305	44,912	66,545	51,682	419,607
Bridge and culvert.....	8	3,807,748	837,000	897,809	1,120,636	4,800	201,934	45,103	7,427	70,102	29,559	34,759	611,840
Sewer, gas, water, conduit.....	3	1,047,000	23,000	242,327	447,092	9,000	66,143	3,554	2,714	7,811	12,700	21,564	95,204
Other classes ¹	5	1,278,413	93,000	359,400	510,372	12,000	86,252	2,388	2,266	3,579	1,294	1,927	117,227
Subcontractors.....	87	11,718,891	80,000	2,475,301	6,335,908	140,158	665,791	1,807	87,717	37,954	19,179	47,225	906,507
Concreteing ²	6	949,685	39,000	271,906	301,565	21,100	57,560	1,170	11,672	4,590	430	6,242	246,760
Electrical.....	18	3,157,117	3,000	683,069	1,740,096	27,440	226,781	---	23,999	7,182	2,945	13,043	183,176
Elevator construction ³	4	1,561,318	---	232,013	1,082,079	---	40,966	---	2,792	1,857	73	8,774	11,956
Heating and plumbing.....	28	2,181,674	3,000	475,816	1,201,586	77,856	143,929	---	22,724	16,381	14,671	5,820	121,416
Heating and piping ⁴	6	452,099	3,000	79,837	241,442	10,010	55,806	---	5,164	2,497	909	1,700	26,865
Plumbing.....	22	1,728,975	---	395,979	960,844	67,846	88,123	---	17,560	13,914	13,675	4,120	94,551
Painting, decorating, and glazing.....	5	497,190	35,000	103,207	229,311	---	10,287	---	9,120	638	---	1,193	46,559
Plastering and lathing.....	4	373,831	---	195,000	121,638	---	22,970	---	2,363	2,277	263	2,893	3,228
Roofing and sheet-metal work.....	12	867,750	---	196,507	376,759	19,700	61,382	637	8,562	2,645	167	6,303	114,389
Roofing.....	8	575,930	---	128,642	288,374	17,940	40,771	637	6,162	2,335	107	3,914	82,867
Roofing and sheet metal combined.....	4	291,826	---	67,865	137,885	1,820	20,611	---	2,400	310	---	2,389	31,522
Marble and tiling.....	10	2,130,320	---	317,177	1,282,379	3,002	101,916	---	7,055	2,384	630	2,441	269,023
ATLANTA.....	101	20,279,266	5,825,000	5,680,962	12,276,594	143,495	1,634,269	70,750	113,365	147,825	132,304	202,964	1,483,886
General contractors.....	50	20,981,898	5,545,000	3,804,440	7,831,587	62,841	1,192,400	68,943	51,365	118,488	114,575	164,919	899,615
Building.....	35	11,980,712	4,377,000	1,863,125	4,297,565	29,841	468,982	16,242	26,443	31,696	44,583	83,712	155,617
Building not specialized.....	26	10,676,761	4,122,000	1,628,805	3,863,860	29,841	424,480	15,326	20,494	20,107	43,128	77,286	132,171
Commercial building only.....	4	569,367	189,000	111,639	219,406	---	34,393	766	2,323	1,030	1,455	4,100	7,663
Residential building only.....	5	434,584	66,000	124,681	204,209	---	10,100	150	3,928	4,556	---	2,329	15,793
Highway.....	6	4,747,671	450,000	1,105,029	2,125,421	12,000	466,089	2,193	15,103	20,010	43,686	35,275	185,810
Bridge and culvert.....	4	2,687,764	683,000	435,768	770,634	---	108,734	44,566	5,721	46,392	13,045	21,066	450,444
Other classes ¹	5	1,365,831	35,000	400,587	648,067	21,000	94,604	5,942	4,008	11,300	13,311	24,866	191,738
Subcontractors.....	51	8,297,368	80,000	1,865,513	4,445,007	80,654	501,890	1,807	62,000	20,337	17,729	38,935	584,271
Concreteing ²	4	884,575	39,000	257,000	262,225	18,700	57,560	1,170	11,672	4,020	430	6,062	244,660
Electrical.....	9	2,420,995	3,000	625,040	1,381,273	21,440	163,689	---	14,293	4,828	2,160	10,419	79,266
Elevator construction ³	4	1,561,318	---	232,013	1,082,079	---	40,966	---	2,792	1,857	73	8,774	11,956
Heating and plumbing.....	16	1,504,138	3,000	345,160	834,187	30,694	107,534	---	13,224	13,667	14,436	4,191	76,670
Heating and piping ⁴	5	414,462	3,000	73,186	216,107	10,010	54,056	---	3,504	2,387	906	1,450	25,665
Plumbing.....	11	1,050,676	---	271,974	618,080	20,684	58,478	---	9,720	11,280	13,530	2,741	61,696
Glazing, painting, and decorating.....	3	400,041	35,000	68,832	196,164	---	2,467	---	5,040	222	---	1,193	41,568
Roofing and sheet-metal work.....	6	400,656	---	98,500	194,381	9,820	40,615	637	6,171	507	167	3,654	61,781
Marble, tiling, and plastering.....	9	1,065,645	---	348,962	494,698	---	89,039	---	8,808	4,236	893	3,742	63,810

¹ Includes street paving; waterworks; dredging, river, harbor, etc.; central station, light and power plant.
² Includes masonry and stone work.
³ Includes steel erection.
⁴ Includes plumbing and heating combined.
⁵ Includes sewer, gas, water, conduit; waterworks; and central station, light and power plant.

CONSTRUCTION—GEORGIA

TABLE 9.—COST OF MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, BY KIND

KIND OF MATERIAL	COST OF MATERIALS REPORTED BY					KIND OF MATERIAL	COST OF MATERIALS REPORTED BY				
	All classes of establishments			General contractors	Subcontractors		All classes of establishments			General contractors	Subcontractors
	Amount	Per cent distribution	Per \$1,000 construction work done ¹				Amount	Per cent distribution	Per \$1,000 construction work done ¹		
GEORGIA					ATLANTA						
All kinds of material.....	\$23,624,057	.....	\$508.15	\$16,410,895	\$7,213,162	All kinds of material.....	\$14,583,081	.....	\$600.35	\$9,592,448	\$4,990,693
Distribution not reported.....	4,755,042	20.1	.....	3,646,702	1,108,340	Distribution not reported.....	1,971,754	13.5	.....	1,827,404	144,350
Distributed by kind.....	18,869,015	100.0	.....	12,764,193	6,104,822	Distributed by kind.....	12,611,327	100.0	.....	7,765,044	4,846,283
Sand, gravel, stone, slag, cinders, etc.....	2,682,417	14.2	72.24	2,584,270	98,141	Sand, gravel, stone, slag, cinders, etc.....	1,990,303	15.8	70.21	1,910,007	77,206
Brick (face, common, fire, paving, etc.).....	1,293,781	6.9	34.98	1,297,281	1,500	Brick (face, common, fire, paving, etc.).....	384,999	3.1	15.28	383,409	1,500
Tile (fireproofing).....	216,932	1.1	5.34	106,932	110,000	Tile (fireproofing).....	138,027	1.1	6.47	28,027	110,000
Tile, facing, terra cotta, floor, and wall.....	234,707	1.2	0.32	58,228	176,479	Tile, facing, terra cotta, floor, and wall.....	198,787	1.6	7.89	31,822	160,965
Concrete and cinder block.....	759,654	4.0	20.46	758,664	1,000	Concrete and cinder block.....	295,764	2.3	11.73	294,764	1,000
Cut stone, granite and marble.....	397,841	2.1	10.71	245,951	151,890	Cut stone, granite and marble.....	307,240	2.4	12.19	157,350	140,890
Riprap, rubble, etc.....	13,241	.1	.39	13,241	.....	Riprap, rubble, etc.....	13,241	.1	.53	13,241	.....
Cement.....	2,203,380	11.7	59.34	2,104,482	98,898	Cement.....	1,433,857	11.4	66.80	1,363,898	69,959
Lime.....	114,961	.6	3.09	78,206	36,765	Lime.....	65,690	.5	2.61	33,980	31,710
Plaster, etc.....	183,229	1.0	4.93	134,870	48,359	Plaster, etc.....	104,910	.8	4.16	71,010	33,000
Structural steel.....	765,417	4.1	20.61	722,607	42,810	Structural steel.....	537,543	4.3	21.32	494,733	42,810
Reinforcing steel.....	519,848	2.8	14.00	519,344	500	Reinforcing steel.....	355,110	2.8	14.00	355,110	.....
Cast iron, miscellaneous, excluding pipe.....	55,027	.3	1.48	48,327	6,700	Cast iron, miscellaneous, excluding pipe.....	48,880	.4	1.94	43,380	5,500
Metal doors, windows, and trim.....	111,348	.6	3.00	111,348	.....	Metal doors, windows, and trim.....	81,216	.6	3.22	81,216	.....
Metal and wire lath and furring.....	62,605	.3	1.69	21,111	41,494	Metal and wire lath and furring.....	39,758	.3	1.58	9,758	30,000
Ornamental metal work.....	51,673	.3	1.39	18,013	33,660	Ornamental metal work.....	2,039	(*)	.08	2,039	.....
Lumber, rough and finished.....	1,489,197	7.9	40.10	1,476,922	12,275	Lumber, rough and finished.....	823,724	6.5	32.68	811,949	11,775
Lath, shingles, and shakes (wood).....	70,362	.4	1.90	67,692	2,670	Lath, shingles, and shakes (wood).....	10,147	.1	.40	8,147	2,000
Millwork.....	590,164	3.1	15.89	586,637	3,527	Millwork.....	236,917	1.9	9.40	233,400	3,517
Composition board.....	95,719	.5	2.58	59,430	36,289	Composition board.....	74,609	.6	2.90	41,728	32,881
Waterproofing materials.....	31,900	.2	.86	20,321	11,579	Waterproofing materials.....	26,811	.2	1.07	15,411	11,400
Hardware, rough and finished.....	184,199	1.0	4.90	168,062	16,137	Hardware, rough and finished.....	119,629	.9	4.75	103,629	16,000
Paints, varnishes, glass.....	354,880	1.9	9.58	140,569	214,311	Paints, varnishes, glass.....	213,765	1.7	8.48	82,601	131,164
Roofing and sheet metal.....	472,997	2.5	12.71	95,660	377,337	Roofing and sheet metal.....	235,594	1.9	9.35	36,635	198,959
Finished flooring (other than cement, wood, or tile).....	60,637	.3	1.63	60,637	.....	Finished flooring (other than cement, wood, or tile).....	37,929	.3	1.51	37,929	.....
Screens, shades, awnings, etc.....	14,891	.1	.40	8,891	6,000	Screens, shades, awnings, etc.....	3,319	(*)	.13	3,319	.....
Heating and ventilating equipment.....	556,560	2.9	14.99	26,171	530,379	Heating and ventilating equipment.....	380,447	3.0	15.10	12,319	368,128
Plumbing and gas fitting equipment.....	1,391,514	7.4	37.48	63,452	1,328,062	Plumbing and gas fitting equipment.....	962,984	7.6	38.21	46,235	916,749
Electrical appliances and supplies.....	1,702,841	9.0	45.86	68,690	1,634,151	Electrical appliances and supplies.....	1,367,421	10.8	54.25	59,954	1,307,467
Elevators, dumb-waiters, and equipment.....	1,062,304	5.6	28.34	5,035	1,047,269	Elevators, dumb-waiters, and equipment.....	1,048,084	8.3	41.58	816	1,047,269
Pipe: Drain tile, vitrified, concrete, segment tile, corrugated.....	106,090	.6	2.86	102,486	3,604	Pipe: Drain tile, vitrified, concrete, segment tile, corrugated.....	100,790	.8	4.00	99,585	1,205
Pipe: Cast-iron, sheet and tube steel, etc.....	250,976	1.3	6.76	221,976	29,000	Pipe: Cast-iron, sheet and tube steel, etc.....	244,760	1.9	9.71	219,760	25,000
Wire cable, guards, and fencing.....	3,956	(*)	.11	3,956	.....	Wire cable, guards, and fencing.....	126	(*)	.01	126	.....
Bituminous paving materials, tar, asphalt, and oil.....	504,909	2.7	13.00	504,909	.....	Bituminous paving materials, tar, asphalt, and oil.....	484,576	3.8	19.22	484,576	.....
Wood piling and timber.....	43,510	.2	1.17	43,510	.....	Wood piling and timber.....	31,970	.3	1.27	31,970	.....
Ready mixed concrete.....	13,597	.1	.37	13,597	.....	Ready mixed concrete.....	13,597	.1	.54	13,597	.....
Freight, hauling or trucking to job.....	8,837	(*)	.24	8,837	.....	Freight, hauling or trucking to job.....	2,500	(*)	.10	2,500	.....
Chemicals and chemical products.....	2,500	(*)	.07	2,500	.....	Chemicals and chemical products.....	10,300	.1	.41	10,300	.....
Sealing materials.....	10,300	.1	.28	10,300	.....	Sealing materials.....	177,938	1.4	7.06	174,799	3,139
Miscellaneous.....	185,104	1.0	4.98	181,709	3,395	Miscellaneous.....	.....	.....	.....	.....	.....

¹ The value of construction work done is obtained from figures presented in Table 1, by subtracting the value of subcontract work let from the total value of construction business.
² The percentage of total cost shown for this item is high because establishments located within this area reported that the large part of their construction work (on which this material was used) was done on contracts outside this area.
³ Less than one-tenth of 1 per cent.

TABLE 10.—COMPARISON OF COST OF DESIGNATED MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, WITH COST OF MATERIALS AND VALUE OF CONSTRUCTION BUSINESS

[Based exclusively upon reports of establishments which gave the distributed cost of materials]

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹
	Cost of all materials distributed by kind	Amount	Per cent of					Cost of all materials distributed by kind	Amount	Per cent of			
			Total cost	Cost of all distributed materials						Total cost	Cost of all distributed materials		
GEORGIA						GEORGIA—Continued							
<i>Sand, gravel, stone, slag, cinders, etc.²</i>						<i>Cement³</i>							
All classes.....	\$18,869,015	\$2,682,417	100.0	14.2	\$43,469,758	81.5	All classes.....	\$18,869,015	\$2,203,350	100.0	11.7	\$43,469,758	81.5
General contractors.....	12,764,193	2,584,276	96.3	20.2	32,550,488	76.1	General contractors.....	\$12,764,193	2,104,482	95.5	16.6	\$32,550,488	76.1
Building.....	6,910,092	432,407	16.1	6.8	18,860,117	66.0	Building.....	6,910,092	528,558	24.0	7.6	18,860,117	66.0
Building not specialized.....	6,464,302	392,499	14.6	6.1	17,824,474	65.3	Building not specialized.....	6,464,302	497,063	22.6	7.7	17,824,474	65.3
Commercial building only.....	155,763	26,715	1.0	17.2	436,356	68.9	Commercial building only.....	155,763	19,799	9	12.7	436,356	68.9
Residential building only.....	290,027	13,193	.5	4.5	605,287	73.7	Residential building only.....	290,027	11,090	5	4.9	605,287	73.7
Highway.....	4,081,231	1,790,874	66.8	43.9	8,241,186	93.9	Highway.....	4,081,231	1,244,384	56.5	30.5	8,241,186	93.9
Bridge and culvert.....	970,141	158,270	5.9	16.4	3,475,225	79.2	Bridge and culvert.....	970,141	162,864	7.4	16.8	3,475,225	79.2
Grading.....	8,395	6,955	.3	82.8	170,108	100.0	Sewer, gas, water, conduit.....	447,092	90,950	4.1	20.3	1,047,000	97.8
Street paving.....	57,367	13,864	.5	24.2	121,124	94.3	Central station light and power plant.....	289,875	77,700	3.5	26.8	620,668	85.2
Sewer, gas, water, conduit.....	447,092	114,600	4.3	25.6	1,047,000	97.8	Subcontractors.....	\$6,104,822	98,898	4.5	1.0	\$10,913,270	99.3
Central station light and power plant.....	289,875	60,700	2.5	23.0	620,668	85.2	Concreting.....	65,565	37,100	1.7	56.0	137,325	92.5
Subcontractors.....	\$6,104,822	98,141	3.7	1.6	\$10,913,270	99.3	Electrical.....	1,790,708	1,200	(*)	(*)	3,222,279	99.9
Concreting.....	65,565	24,640	.9	37.6	137,325	92.5	Heating and plumbing.....	\$1,797,600	102	(*)	(*)	\$3,052,260	100.0
Electrical.....	1,797,600	2,600	.1	.1	3,222,279	99.9	Plumbing.....	1,082,090	102	(*)	(*)	1,917,510	100.0
Heating and plumbing.....	\$1,797,600	188	(*)	(*)	\$3,052,260	99.8	Masonry.....	201,000	30,000	1.4	14.9	340,000	100.0
Plumbing.....	1,082,090	188	(*)	(*)	1,917,510	100.0	Plastering and lathing.....	121,533	5,150	.2	4.2	373,831	100.0
Masonry.....	201,000	20,000	.7	10.0	340,000	100.0	Roofing and sheet-metal work.....	\$376,759	14,130	.6	3.8	\$867,756	100.0
Plastering and lathing.....	121,533	13,875	.5	11.4	373,831	100.0	Roofing.....	238,874	14,130	.6	5.9	675,630	100.0
Roofing and sheet-metal work.....	\$376,759	7,489	.3	2.0	\$867,756	100.0	Marble and tiling.....	371,101	11,210	.5	3.0	704,185	100.0
Roofing.....	238,874	7,489	.3	3.1	575,930	100.0	<i>Structural steel</i>						
Stonework.....	35,300	300	(*)	.8	93,018	100.0	All classes.....	18,869,015	765,417	100.0	4.1	43,469,758	81.5
Marble and tiling.....	371,101	29,149	1.1	7.9	704,185	100.0	General contractors.....	\$12,764,193	722,607	94.4	5.7	\$32,550,488	76.1
<i>Brick (face, common, fire, paving, etc.)</i>							Building.....	6,910,092	238,430	31.2	3.5	18,860,117	66.0
All classes.....	18,869,015	1,208,781	100.0	6.9	43,469,758	81.5	Building not specialized.....	6,464,302	224,840	29.4	3.5	17,824,474	65.3
General contractors.....	\$12,764,193	1,207,281	99.9	10.2	\$32,550,488	76.1	Commercial building only.....	155,763	12,840	1.7	8.2	436,356	68.9
Building.....	6,910,092	1,211,615	93.3	17.5	18,860,117	66.0	Residential building only.....	290,027	750	.1	.3	605,287	73.7
Building not specialized.....	6,464,302	1,120,402	86.7	17.4	17,824,474	65.3	Highway.....	4,081,231	58,499	7.6	1.3	8,241,186	93.9
Commercial building only.....	155,763	25,102	1.9	16.2	436,356	68.9	Bridge and culvert.....	970,141	392,368	51.3	40.4	3,475,225	79.2
Residential building only.....	290,027	50,921	4.6	20.7	605,287	73.7	Central station light and power plant.....	289,875	33,400	4.4	11.5	620,668	85.2
Highway.....	4,081,231	9,412	.7	.2	8,241,186	93.9	Subcontractors.....	\$6,104,822	42,810	5.6	.7	\$10,913,270	99.3
Bridge and culvert.....	970,141	2,880	.2	.3	3,475,225	79.2	Electrical.....	1,790,708	8,000	1.0	.4	3,222,279	99.9
Street paving.....	57,367	33,304	2.0	58.1	121,124	94.3	Steel erection.....	34,810	34,810	4.5	100.0	78,297	100.0
Sewer, gas, water, conduit.....	447,092	20,670	2.3	6.6	1,047,000	97.8	<i>Reinforcing steel</i>						
Central station light and power plant.....	289,875	10,500	.8	3.6	620,668	85.2	All classes.....	18,869,015	510,848	100.0	2.8	43,469,758	81.5
Subcontractors.....	\$6,104,822	1,500	.1	(*)	\$10,913,270	99.3	General contractors.....	\$12,764,193	519,348	99.9	4.1	\$32,550,488	76.1
Roofing and sheet-metal work.....	\$376,759	1,500	.1	.4	\$867,756	100.0	Building.....	6,910,092	175,289	33.7	2.5	18,860,117	66.0
Roofing.....	238,874	1,500	.1	.8	575,930	100.0	Building not specialized.....	6,464,302	172,689	33.2	2.7	17,824,474	65.3
<i>Concrete and cinder block</i>							Commercial building only.....	155,763	1,500	.3	1.0	436,356	68.9
All classes.....	18,869,015	759,654	100.0	4.0	43,469,758	81.5	Residential building only.....	290,027	1,100	.2	.4	605,287	73.7
General contractors.....	\$12,764,193	758,654	99.9	5.9	\$32,550,488	76.1	Highway.....	4,081,231	171,908	33.1	4.2	8,241,186	93.9
Building.....	6,910,092	757,954	99.8	11.0	18,860,117	66.0	Bridge and culvert.....	970,141	74,851	14.4	7.7	3,475,225	79.2
Building not specialized.....	6,464,302	757,004	99.7	11.7	17,824,474	65.3	Sewer, gas, water, conduit.....	447,092	14,600	2.6	3.3	1,047,000	97.8
Commercial building only.....	155,763	950	.1	.3	436,356	68.9	Central station light and power plant.....	289,875	82,700	15.9	23.5	620,668	85.2
Residential building only.....	290,027	760	.1	.2	605,287	73.7	Subcontractors.....	\$6,104,822	500	.1	(*)	\$10,913,270	99.3
Highway.....	4,081,231	1,147	.1	.8	1,047,000	97.8	Concreting.....	65,565	500	.1	.8	137,325	92.5
Bridge and culvert.....	970,141	900	.1	.2	3,475,225	79.2	<i>Lumber, rough and finished</i>						
Street paving.....	57,367	950	.1	.2	1,047,000	97.8	All classes.....	18,869,015	1,489,197	100.0	7.9	43,469,758	81.5
Sewer, gas, water, conduit.....	447,092	900	.1	.2	1,047,000	97.8	General contractors.....	\$12,764,193	1,476,922	99.2	11.6	\$32,550,488	76.1
Central station light and power plant.....	289,875	1,000	.1	(*)	\$10,913,270	99.3	Building.....	6,910,092	1,817,902	88.5	19.1	18,860,117	66.0
Electrical.....	1,790,708	1,000	.1	.1	3,222,279	99.9	Building not specialized.....	6,464,302	1,231,911	82.7	19.1	17,824,474	65.3
<i>Cut stone, granite and marble</i>							Commercial building only.....	155,763	21,339	1.4	13.7	436,356	68.9
All classes.....	18,869,015	397,841	100.0	2.1	43,469,758	81.5	Residential building only.....	290,027	64,652	4.3	22.3	605,287	73.7
General contractors.....	\$12,764,193	245,951	61.8	1.9	\$32,550,488	76.1	Highway.....	4,081,231	78,078	5.2	1.9	8,241,186	93.9
Building.....	6,910,092	243,374	61.2	3.5	18,860,117	66.0	Bridge and culvert.....	970,141	53,842	3.6	5.5	3,475,225	79.2
Building not specialized.....	6,464,302	238,874	59.9	3.7	17,824,474	65.3	Sewer, gas, water, conduit.....	447,092	13,400	.9	3.0	1,047,000	97.8
Commercial building only.....	155,763	3,500	.9	2.2	436,356	68.9	Central station light and power plant.....	289,875	13,700	.9	4.7	620,668	85.2
Residential building only.....	290,027	1,500	.4	.5	605,287	73.7	Subcontractors.....	\$6,104,822	12,275	.8	.2	\$10,913,270	99.3
Highway.....	4,081,231	1,577	.4	(*)	8,241,186	93.9	Concreting.....	65,565	3,325	2	5.1	137,325	92.5
Bridge and culvert.....	970,141	1,677	.4	(*)	3,475,225	79.2	Electrical.....	1,790,708	5,500	(*)	(*)	3,222,279	99.9
Sewer, gas, water, conduit.....	447,092	1,677	.4	(*)	1,047,000	97.8	Plastering and lathing.....	121,533	8,000	.5	6.6	373,831	100.0
Central station light and power plant.....	289,875	1,000	.3	.8	620,668	85.2	Roofing and sheet-metal work.....	\$376,759	450	(*)	.1	\$867,756	100.0
Subcontractors.....	\$6,104,822	151,890	38.2	2.5	\$10,913,270	99.3	Roofing.....	238,874	450	(*)	.2	575,930	100.0
Stonework.....	35,300	35,000	8.8	99.2	93,048	100.0							
Marble and tiling.....	371,101	110,890	29.4	31.5	704,185	100.0							

See footnotes at end of table.

TABLE 10.—COMPARISON OF COST OF DESIGNATED MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, WITH COST OF MATERIALS AND VALUE OF CONSTRUCTION BUSINESS—Continued

[Based exclusively upon reports of establishments which gave the distributed cost of materials]

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	Cost of all materials distributed by kind	COST OF DESIGNATED MATERIAL			Value of construction business	Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	Cost of all materials distributed by kind	COST OF DESIGNATED MATERIAL			Value of construction business	Indicated per cent of all business done by own force ¹			
		Amount	Percent of—						Amount	Total cost	Cost of all distributed materials			Amount	Percent of—	
			Total cost	Cost of all distributed materials											Total cost	Cost of all distributed materials
GEORGIA—Continued						GEORGIA—Continued										
<i>Millwork</i>						<i>Plumbing and gas fitting equipment²</i>										
All classes.....	\$18,869,015	\$500,154	100.0	3.1	\$43,469,758	81.5	All classes.....	\$18,869,015	\$1,391,514	100.0	7.4	\$43,469,758	81.5			
General contractors.....	\$12,764,193	686,037	99.4	4.6	\$32,556,488	76.1	General contractors.....	\$12,764,193	63,452	4.6	.5	\$32,556,488	76.1			
Building.....	6,910,092	575,562	97.5	8.3	18,866,117	66.0	Building.....	6,910,092	39,652	2.8	.0	18,866,117	66.0			
Building not specialized.....	6,464,302	637,274	91.0	8.3	17,824,474	65.3	Building not specialized.....	6,464,302	29,841	2.1	.5	17,824,474	65.3			
Commercial building only.....	155,763	8,021	1.4	5.1	436,356	68.9	Commercial building only.....	155,763	3,492	.3	2.2	436,356	68.9			
Residential building only.....	290,027	30,267	5.1	10.4	605,287	73.7	Residential building only.....	290,027	6,319	.5	2.2	605,287	73.7			
Highway.....	4,081,231	10,515	1.8	3	8,241,186	93.9	Highway.....	4,081,231	12,800	.9	.3	8,241,186	93.9			
Bridge and culvert.....	970,141	160	(*)	(*)	3,475,225	79.2	Sewer, gas, water, conduit.....	447,092	10,000	.7	2.2	1,047,000	97.8			
Central station light and power plant.....	289,875	400	.1	.1	629,668	85.2	Central station light and power plant.....	289,875	1,000	.1	.3	629,668	85.2			
Subcontractors.....	\$6,104,822	3,517	.9	.1	\$10,913,270	99.3	Subcontractors.....	\$6,104,822	1,328,062	95.4	21.8	\$10,913,270	99.3			
Marble and tiling.....	371,101	3,517	.9	.9	704,186	100.0	Electrical.....	1,790,708	65,000	4.7	3.6	3,222,279	99.9			
<i>Paints, varnishes, glass</i>						<i>Heating and plumbing.....</i>										
All classes.....	18,869,015	354,880	100.0	1.9	43,469,758	81.5	Heating and plumbing.....	1,797,608	1,263,062	90.8	70.3	3,052,260	99.6			
General contractors.....	\$12,764,193	140,569	39.6	1.1	\$32,556,488	76.1	Heating and piping.....	233,849	36,642	2.6	15.7	401,084	99.3			
Building.....	6,910,092	131,116	38.9	1.9	18,866,117	66.0	Plumbing.....	1,082,096	744,759	53.5	68.8	1,917,510	100.0			
Building not specialized.....	6,464,302	115,944	32.7	1.8	17,824,474	65.3	Automatic sprinkler systems.....	481,661	481,661	34.6	100.0	733,666	98.8			
Commercial building only.....	155,763	3,718	1.0	2.4	436,356	68.9	<i>Electrical appliances and supplies²</i>									
Residential building only.....	290,027	11,454	3.2	3.9	605,287	73.7	All classes.....	18,869,015	1,702,841	100.0	9.0	43,469,758	81.5			
Highway.....	4,081,231	8,753	2.5	.2	8,241,186	93.9	General contractors.....	\$12,764,193	68,090	4.0	.5	\$32,556,488	76.1			
Central station light and power plant.....	289,875	700	.2	.2	629,668	85.2	Building.....	6,910,092	16,490	1.0	.2	18,866,117	66.0			
Subcontractors.....	\$6,104,822	214,311	60.4	3.6	\$10,913,270	99.3	Building not specialized.....	6,464,302	14,809	.9	.2	17,824,474	65.3			
Painting and decorating.....	63,147	63,147	17.8	100.0	159,850	100.0	Residential building only.....	290,027	1,681	.1	.6	605,287	73.7			
Glass and glazing.....	106,164	151,164	42.6	91.0	340,340	89.7	Highway.....	4,081,231	51,600	3.0	1.3	8,241,186	93.9			
<i>Roofing and sheet metal</i>						<i>Subcontractors.....</i>										
All classes.....	18,869,015	472,997	100.0	2.5	43,469,758	81.5	Electrical.....	\$6,104,822	1,634,751	96.0	26.8	\$10,913,270	99.3			
General contractors.....	\$12,764,193	95,600	20.2	.7	\$32,556,488	76.1	Electrical.....	1,790,708	1,634,751	96.0	91.3	3,222,279	99.9			
Building.....	6,910,092	82,170	19.5	1.3	18,866,117	66.0	<i>Elevators, dumb-waiters, and equipment</i>									
Building not specialized.....	6,464,302	75,695	16.0	1.2	17,824,474	65.3	All classes.....	18,869,015	1,052,304	100.0	5.6	43,469,758	81.5			
Commercial building only.....	155,763	3,288	.7	2.1	436,356	68.9	General contractors.....	\$12,764,193	5,035	.5	(*)	\$32,556,488	76.1			
Residential building only.....	290,027	13,187	2.8	4.5	605,287	73.7	Building.....	6,910,092	5,035	.5	.1	18,866,117	66.0			
Highway.....	4,081,231	1,700	.4	(*)	8,241,186	93.9	Building not specialized.....	6,464,302	5,035	.5	.1	17,824,474	65.3			
Bridge and culvert.....	970,141	1,390	.3	.1	3,475,225	79.2	Subcontractors.....	\$6,104,822	1,047,269	99.5	17.2	\$10,913,270	99.3			
Central station light and power plant.....	289,875	400	.1	.1	629,668	85.2	Elevator construction.....	1,047,269	1,047,269	99.5	100.0	1,483,021	100.0			
Subcontractors.....	\$6,104,822	377,337	79.8	6.2	\$10,913,270	99.3	<i>Pipe: Cast-iron, sheet and tube steel, etc.</i>									
Electrical.....	1,790,708	26,257	5.6	1.5	3,222,279	99.9	All classes.....	18,869,015	250,976	100.0	1.3	43,469,758	81.5			
Glass and glazing.....	166,164	15,000	3.2	9.0	340,340	89.7	General contractors.....	\$12,764,193	221,976	88.4	1.7	\$32,556,488	76.1			
Roofing and sheet-metal work.....	376,759	336,080	71.1	80.2	867,756	100.0	Building.....	6,910,092	13,918	5.5	.2	18,866,117	66.0			
Roofing.....	238,874	202,195	42.7	84.6	575,930	100.0	Building not specialized.....	6,464,302	13,918	5.5	.2	17,824,474	65.3			
Sheet-metal work.....	27,500	27,500	5.8	100.0	61,277	100.0	Highway.....	4,081,231	117,000	46.6	2.9	8,241,186	92.9			
Roofing and sheet metal combined.....	110,385	106,385	22.5	98.4	230,549	100.0	Bridge and culvert.....	970,141	17,962	7.2	1.0	3,475,225	79.2			
<i>Heating and ventilating equipment</i>						<i>Subcontractors.....</i>										
All classes.....	18,869,015	556,550	100.0	2.9	43,469,758	81.5	Sewer, gas, water, conduit.....	447,092	73,096	29.1	16.3	1,047,000	97.8			
General contractors.....	\$12,764,193	26,171	4.7	.2	\$32,556,488	76.1	General contractors.....	\$6,104,822	29,000	11.6	.5	\$10,913,270	99.3			
Building.....	6,910,092	25,619	4.6	.4	18,866,117	66.0	Electrical.....	1,790,708	25,000	10.0	1.4	3,222,279	99.9			
Building not specialized.....	6,464,302	20,719	3.7	.3	17,824,474	65.3	Heating and plumbing.....	1,797,608	4,000	1.6	.2	3,052,260	99.6			
Commercial building only.....	290,027	4,900	.9	1.7	605,287	73.7	Plumbing.....	1,082,096	4,000	1.0	.4	1,917,510	100.0			
Residential building only.....	970,141	552	.1	.1	3,475,225	79.2	<i>Bituminous paving materials, tar, asphalt, and oil.</i>									
Highway.....	4,081,231	552	.1	.1	8,241,186	93.9	All classes.....	\$18,869,015	504,909	100.0	2.7	43,469,758	81.5			
Bridge and culvert.....	970,141	552	.1	.1	3,475,225	79.2	General contractors.....	\$12,764,193	504,909	100.0	4.0	\$32,556,488	76.1			
Central station light and power plant.....	289,875	500	.9	1.3	629,668	85.2	Highway.....	4,081,231	477,248	94.5	11.7	8,241,186	93.9			
Subcontractors.....	\$6,104,822	530,379	95.3	8.7	\$10,913,270	99.3	Bridges and culvert.....	970,141	26,393	5.0	2.6	3,475,225	79.2			
Electrical.....	1,790,708	5,000	.9	.3	3,222,279	99.9	Street paving.....	57,867	2,193	.4	3.8	121,124	94.3			
Heating and plumbing.....	1,797,608	529,379	93.5	28.9	3,052,260	99.6	Central station light and power plant.....	289,875	75	(*)	(*)	629,668	85.2			
Heating and piping.....	233,849	191,207	34.4	81.8	401,084	99.3										
Plumbing.....	1,082,096	329,172	69.1	30.4	1,917,510	100.0										
Roofing and sheet-metal work.....	376,759	5,000	.9	1.3	867,756	100.0										
Roofing.....	238,874	2,000	.4	.8	575,930	100.0										
Roofing and sheet metal combined.....	110,385	3,000	.5	2.7	230,549	100.0										

See footnotes at end of table.

TABLE 10.—COMPARISON OF COST OF DESIGNATED MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, WITH COST OF MATERIALS AND VALUE OF CONSTRUCTION BUSINESS—Continued

[Based exclusively upon reports of establishments which gave the distributed cost of materials]

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹		
	Cost of all materials distributed by kind	Amount	Percent of—					Cost of all materials distributed	Cost of all materials distributed by kind	Amount	Percent of—			Cost of all materials distributed	
			Total cost	of all distributed materials							Total cost				of all distributed materials
ATLANTA						ATLANTA—Continued									
<i>Sand, gravel, stone, slag, cinders, etc.²</i>						<i>Cut stone, granite, and marble—Continued</i>									
All classes.....	\$12,611,327	\$1,096,363	100.0	15.8	\$30,341,034	78.6	General contractors—Contd.								
General contractors.....	7,765,044	1,019,097	96.1	24.7	21,908,095	71.9	Highway.....	\$3,209,022	\$577	0.2	(³)	\$8,591,906	92.0		
Building.....	3,452,007	319,998	16.0	9.3	11,795,080	59.9	Central station light and power plant.....	15,975	1,000	.3	6.3	51,851	76.9		
Building not specialized.....	3,176,600	287,931	14.4	9.1	11,099,430	59.0	Subcontractors.....	\$4,846,283	149,890	48.8	3.1	\$8,432,939	99.0		
Commercial building only.....	128,108	20,715	1.3	20.9	398,066	66.8	Stonework.....	35,300	35,000	11.4	90.2	93,048	100.0		
Residential building only.....	147,299	5,352	.3	3.6	207,584	84.8	Marble and tiling.....	355,420	114,890	37.4	32.3	672,815	100.0		
Highway.....	3,209,022	1,372,970	88.8	42.8	6,591,906	92.9	Cement²								
Bridge and culvert.....	631,953	101,868	5.1	16.1	2,246,090	74.0	All classes.....	12,611,327	1,433,857	100.0	11.4	30,341,034	78.6		
Grading.....	8,395	6,955	.3	82.8	176,108	100.0	General contractors.....	7,765,044	1,363,808	95.1	17.6	21,908,095	71.9		
Sewer, gas, water, conduit.....	447,092	114,000	5.7	25.6	1,047,000	97.8	Building.....	3,452,007	321,327	22.4	9.3	11,795,080	59.9		
Central station light and power plant.....	15,975	2,700	.1	16.9	51,851	76.0	Building not specialized.....	3,176,600	293,248	20.5	0.2	11,099,430	59.0		
Subcontractors.....	\$4,846,283	77,260	3.9	1.6	\$8,432,939	99.0	Commercial building only.....	128,108	19,799	1.4	15.5	398,066	66.8		
Concreteing.....	25,925	8,540	.4	32.9	72,215	91.4	Residential building only.....	147,299	8,280	.6	5.6	207,584	84.8		
Electrical.....	1,393,424	2,500	.1	.2	2,430,720	99.9	Highway.....	3,209,022	863,509	60.2	26.9	6,591,906	92.9		
Heating and plumbing.....	\$1,284,690	188	(⁵)	(⁵)	2,150,431	99.5	Bridge and culvert.....	631,953	85,382	0.0	13.5	2,246,090	74.0		
Plumbing.....	603,080	188	(⁵)	(⁵)	1,058,181	100.0	Sewer, gas, water, conduit.....	447,092	90,950	6.3	20.3	1,047,000	97.8		
Masonry.....	201,000	20,000	1.0	10.0	340,000	100.0	Central station light and power plant.....	15,975	2,700	.2	16.9	51,851	76.0		
Plastering and lathing.....	78,000	10,000	.5	12.8	251,695	100.0	Subcontractors.....	\$4,846,283	69,989	4.9	1.4	\$8,432,939	99.0		
Roofing and sheet-metal work.....	\$194,381	7,489	.4	3.9	460,650	100.0	Concreteing.....	25,925	14,560	1.0	56.2	72,215	91.4		
Roofing.....	180,881	7,489	.4	4.1	426,012	100.0	Electrical.....	1,393,424	1,200	.1	.1	2,430,720	99.9		
Stonework.....	35,300	300	(⁵)	.8	93,048	100.0	Heating and plumbing.....	\$1,284,690	50	(⁵)	(⁵)	2,150,431	99.5		
Marble and tiling.....	365,420	28,249	1.4	7.9	672,815	100.0	Plumbing.....	603,080	50	(⁵)	(⁵)	1,058,181	100.0		
Brick (face, common, fire, paving, etc.)						Structural steel									
All classes.....	12,611,327	384,999	100.0	3.1	30,341,034	78.6	All classes.....	12,611,327	537,543	100.0	4.3	30,341,034	78.6		
General contractors.....	\$7,765,044	383,499	99.0	4.9	21,908,095	71.9	General contractors.....	\$7,765,044	494,733	92.0	6.4	21,908,095	71.9		
Building.....	3,452,007	350,917	91.1	10.2	11,795,080	59.9	Building.....	3,452,007	133,073	24.8	3.9	11,795,080	59.9		
Building not specialized.....	3,176,600	305,012	79.2	0.6	11,099,430	59.0	Building not specialized.....	3,176,600	121,533	22.6	3.8	11,099,430	59.0		
Commercial building only.....	128,108	25,192	6.5	19.7	398,066	66.8	Commercial building only.....	128,108	10,940	2.0	8.5	398,066	66.8		
Residential building only.....	147,299	20,713	5.4	14.1	297,584	84.8	Residential building only.....	147,299	600	.1	4.4	207,584	84.8		
Highway.....	3,209,022	1,412	(⁵)	(⁵)	6,591,906	92.9	Highway.....	3,209,022	55,409	10.3	1.7	6,591,906	92.9		
Sewer, gas, water, conduit.....	447,092	29,070	7.7	6.6	1,047,000	97.8	Bridge and culvert.....	631,953	305,851	56.9	48.4	2,246,090	74.6		
Central station light and power plant.....	15,975	1,500	.4	9.4	51,851	76.0	Central station light and power plant.....	15,975	400	.1	2.5	51,851	76.9		
Subcontractors.....	\$4,846,283	1,500	.4	(⁵)	\$8,432,939	99.0	Subcontractors.....	\$4,846,283	42,810	8.0	.9	\$8,432,939	99.0		
Roofing and sheet-metal work.....	\$194,381	1,500	.4	.8	460,650	100.0	Electrical.....	1,393,424	8,000	1.5	.6	2,430,720	99.9		
Roofing.....	180,881	1,500	.4	.8	426,012	100.0	Steel erection.....	34,810	34,810	6.5	100.0	78,297	100.0		
Tile, facing, terra cotta, floor and wall						Reinforcing steel									
All classes.....	12,611,327	198,787	100.0	1.6	30,341,034	78.6	All classes.....	12,611,327	355,110	100.0	2.8	30,341,034	78.6		
General contractors.....	\$7,765,044	31,822	16.0	.4	21,908,095	71.9	General contractors.....	\$7,765,044	355,110	100.0	4.6	21,908,095	71.9		
Building.....	3,452,007	30,042	15.1	.9	11,795,080	59.9	Building.....	3,452,007	137,522	38.7	4.0	11,795,080	59.9		
Building not specialized.....	3,176,600	27,917	14.0	.0	11,099,430	59.0	Building not specialized.....	3,176,600	134,022	38.0	4.2	11,099,430	59.0		
Commercial building only.....	128,108	2,125	1.1	1.4	297,584	84.8	Commercial building only.....	128,108	1,500	4.4	1.2	398,066	66.8		
Residential building only.....	147,299	2,125	1.1	1.4	297,584	84.8	Residential building only.....	147,299	1,100	.8	.7	207,584	84.8		
Highway.....	3,209,022	1,780	.9	.1	6,591,906	92.9	Highway.....	3,209,022	170,708	48.1	5.3	6,591,906	92.9		
Subcontractors.....	\$4,846,283	160,965	84.0	3.4	\$8,432,939	99.0	Bridge and culvert.....	631,953	20,880	8.4	4.7	2,246,090	74.0		
Marble and tiling.....	365,420	160,965	84.0	47.0	672,815	100.0	Sewer, gas, water, conduit.....	447,092	14,600	4.1	3.3	1,047,000	97.8		
Concrete and cinder block						Lumber, rough, and finished									
All classes.....	12,611,327	295,754	100.0	2.3	30,341,034	78.6	All classes.....	12,611,327	823,724	100.0	6.5	30,341,034	78.6		
General contractors.....	\$7,765,044	294,754	99.7	3.8	21,908,095	71.9	General contractors.....	\$7,765,044	811,949	98.6	10.5	21,908,095	71.9		
Building.....	\$3,452,007	294,054	99.4	8.5	11,795,080	59.9	Building.....	3,452,007	715,463	86.9	20.7	11,795,080	59.9		
Building not specialized.....	3,176,600	293,104	99.1	9.2	11,099,430	59.0	Building not specialized.....	3,176,600	662,322	79.2	20.5	11,099,430	59.0		
Commercial building only.....	128,108	950	.3	.6	297,584	84.8	Commercial building only.....	128,108	15,739	1.9	12.3	398,066	66.8		
Residential building only.....	147,299	700	.2	.2	2,047,000	97.8	Residential building only.....	147,299	47,402	5.8	32.2	207,584	84.8		
Sewer, gas, water, conduit.....	447,092	700	.2	.2	1,047,000	97.8	Highway.....	3,209,022	99,078	8.4	2.2	6,591,906	92.9		
Subcontractors.....	\$4,846,283	1,000	.3	(⁵)	\$8,432,939	99.0	Bridge and culvert.....	631,953	12,908	1.6	2.0	2,246,090	74.6		
Electrical.....	1,393,424	1,000	.3	.1	2,430,720	99.9	Sewer, gas, water, conduit.....	447,092	13,400	1.6	.3	1,047,000	97.8		
Cut stone, granite, and marble						Central station light and power plant.....									
All classes.....	12,611,327	307,240	100.0	2.4	30,341,034	78.6	Central station light and power plant.....	15,975	1,100	.1	6.9	51,851	76.9		
General contractors.....	\$7,765,044	157,350	51.2	2.0	21,908,095	71.9									
Building.....	\$3,452,007	155,773	50.7	4.5	11,795,080	59.9									
Building not specialized.....	3,176,600	152,273	49.6	4.8	11,099,430	59.0									
Commercial building only.....	128,108	3,500	1.1	2.7	398,066	66.8									

See footnotes at end of table.

CONSTRUCTION—GEORGIA

TABLE 10.—COMPARISON OF COST OF DESIGNATED MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, WITH COST OF MATERIALS AND VALUE OF CONSTRUCTION BUSINESS—Continued

[Based exclusively upon reports of establishments which gave the distributed cost of materials]

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹
	Cost of all materials distributed by kind	Per cent of—		Cost of all distributed materials				Cost of all materials distributed by kind	Per cent of—		Cost of all distributed materials		
		Amount	Total cost						Amount	Total cost			
ATLANTA—Continued						ATLANTA—Continued							
<i>Lumber, rough, and finished—Continued</i>						<i>Plumbing and gas-fitting equipment²</i>							
Subcontractors.....	\$4,846,283	\$11,775	1.4	0.2	\$8,432,939	99.0	All classes.....	\$12,611,327	\$962,084	100.0	7.0	\$30,341,034	78.6
Concreting.....	25,925	2,825	10.9	(*)	72,215	91.4	General contractors.....	\$7,765,044	46,235	4.8	.6	\$21,908,095	71.9
Electrical.....	1,393,424	500	1.1	10.3	2,430,720	99.9	Building.....	3,452,007	25,235	2.6	.7	\$11,795,080	59.9
Plastering and lathing.....	78,000	8,000	1.0	10.3	251,695	100.0	Building not specialized.....	3,176,600	16,916	1.8	.5	\$11,099,430	59.0
Roofing and sheet-metal work.....	\$194,381	450	.1	.2	460,650	100.0	Commercial building only.....	128,108	2,000	.2	1.6	398,000	66.8
Roofing.....	180,881	450	.1	.2	426,012	100.0	Residential building only.....	147,299	6,319	.7	4.3	297,584	84.8
<i>Millwork</i>						<i>Highway.....</i>							
All classes.....	12,611,327	236,017	100.0	1.9	30,341,034	78.6	Sewer, gas, water, conduit.....	3,209,622	10,000	1.0	2.2	6,591,906	92.9
General contractors.....	\$7,765,044	233,400	98.5	3.0	\$21,908,095	71.9	Central station light and power plant.....	447,092	10,000	1.0	2.2	1,047,000	97.8
Building.....	3,452,007	231,485	97.7	6.7	11,795,080	59.9	Subcontractors.....	\$4,846,283	916,749	95.2	18.0	\$8,432,939	99.0
Building not specialized.....	3,176,600	218,364	92.2	6.9	11,099,430	59.0	Heating and plumbing.....	1,284,590	916,749	95.2	71.4	2,150,431	99.6
Commercial building only.....	128,108	3,521	1.5	2.7	398,000	66.8	Heating and piping.....	109,849	36,642	3.3	18.3	358,584	99.2
Residential building only.....	147,299	9,000	4.1	6.5	297,584	84.8	Plumbing.....	603,080	398,446	41.4	66.1	1,058,181	100.0
Highway.....	3,209,622	1,515	.6	(*)	6,591,906	92.9	Automatic sprinkler systems.....	481,661	481,661	50.0	100.0	733,608	98.8
Central station light and power plant.....	15,975	400	.2	2.5	51,851	76.9	<i>Electrical appliances and supplies²</i>						
Subcontractors.....	\$4,846,283	3,517	1.5	.1	\$8,432,939	99.0	All classes.....	12,611,327	1,307,421	100.0	10.8	30,341,034	78.6
Marble and tiling.....	355,420	3,517	1.5	1.0	672,815	100.0	General contractors.....	\$7,765,044	59,954	4.4	.8	\$21,908,095	71.9
<i>Paints, varnishes, glass</i>						<i>Elevators, dumb-waiters, and equipment²</i>							
All classes.....	12,611,327	213,765	100.0	1.7	30,341,034	78.6	All classes.....	12,611,327	1,048,084	100.0	8.3	30,341,034	78.6
General contractors.....	\$7,765,044	32,601	15.3	.4	\$21,908,095	71.9	General contractors.....	\$7,765,044	815	.1	(*)	\$21,908,095	71.9
Building.....	3,452,007	31,548	14.8	.8	11,795,080	59.9	Building.....	3,452,007	815	.1	(*)	\$11,795,080	59.9
Building not specialized.....	3,176,600	23,948	11.2	.8	11,099,430	59.0	Building not specialized.....	3,176,600	815	.1	(*)	\$11,099,430	59.0
Commercial building only.....	128,108	1,500	.7	1.2	398,000	66.8	Residential building only.....	147,299	1,681	1.1	1.1	297,584	84.8
Residential building only.....	147,299	6,100	2.9	4.1	297,584	84.8	Highway.....	3,209,622	50,000	3.7	1.0	6,591,906	92.9
Highway.....	3,209,622	353	.2	(*)	6,591,906	92.9	Subcontractors.....	\$4,846,283	1,307,467	95.6	27.0	\$8,432,939	99.0
Central station light and power plant.....	15,975	700	.3	4.4	51,851	76.9	Electrical.....	1,393,424	1,307,467	95.6	93.8	2,430,720	99.9
Subcontractors.....	\$4,846,283	181,164	84.7	3.7	\$8,432,939	99.0	<i>Pipe: Cast-iron, sheet and tube steel, etc.</i>						
Painting and decorating.....	30,000	30,000	14.0	100.0	59,701	100.0	All classes.....	12,611,327	244,766	100.0	1.9	30,341,034	78.6
Glass and glazing.....	166,164	151,164	70.7	61.0	340,340	89.7	General contractors.....	\$7,765,044	210,766	89.8	2.8	\$21,908,095	71.9
<i>Roofing and sheet metal</i>						<i>Bituminous paving materials, tar, asphalt, and oil</i>							
All classes.....	12,611,327	235,594	100.0	1.0	30,341,034	78.6	All classes.....	12,611,327	484,576	100.0	3.8	30,341,034	78.6
General contractors.....	\$7,765,044	36,635	15.0	.5	\$21,908,095	71.9	General contractors.....	\$7,765,044	484,576	100.0	6.2	\$21,908,095	71.9
Building.....	3,452,007	36,235	15.4	1.0	11,795,080	59.9	Highway.....	3,209,622	459,248	94.8	14.3	6,591,906	92.9
Building not specialized.....	3,176,600	27,148	11.5	.9	11,099,430	59.0	Bridge and culvert.....	631,953	25,253	5.2	4.0	2,246,090	74.6
Commercial building only.....	128,108	800	.3	.9	398,000	66.8	Central station light and power plant.....	15,975	75	(*)	.5	51,851	76.9
Residential building only.....	147,299	8,237	3.5	5.6	297,584	84.8	<i>Subcontractors.....</i>						
Highway.....	3,209,622	353	.2	(*)	6,591,906	92.9	All classes.....	\$4,846,283	25,000	10.2	.5	\$8,432,939	99.0
Central station light and power plant.....	15,975	400	.2	2.5	51,851	76.9	Electrical.....	1,393,424	25,000	10.2	1.8	2,430,720	99.9
Subcontractors.....	\$4,846,283	198,959	84.4	4.1	\$8,432,939	99.0	<i>Heating and ventilating equipment</i>						
Electrical.....	1,393,424	26,257	11.1	1.9	2,430,720	99.9	All classes.....	12,611,327	380,447	100.0	3.0	30,341,034	78.6
Glass and glazing.....	166,164	15,000	6.4	9.0	340,340	89.7	General contractors.....	\$7,765,044	12,319	3.2	.2	\$21,908,095	71.9
Roofing and sheet-metal work.....	194,381	157,702	66.9	81.1	460,650	100.0	Building.....	3,452,007	12,319	3.2	.2	\$11,795,080	59.9
Roofing.....	180,881	144,202	61.2	79.7	426,012	100.0	Building not specialized.....	3,176,600	7,419	2.0	.2	\$11,099,430	59.0
Sheet-metal work.....	13,500	13,500	5.7	100.0	34,644	100.0	Residential building only.....	147,299	4,900	1.3	3.3	297,584	84.8
<i>Heating and ventilating equipment</i>						<i>Subcontractors.....</i>							
All classes.....	12,611,327	380,447	100.0	3.0	30,341,034	78.6	All classes.....	\$4,846,283	368,128	96.8	7.6	\$8,432,939	99.0
General contractors.....	\$7,765,044	12,319	3.2	.2	\$21,908,095	71.9	Heating and plumbing.....	1,284,590	366,128	96.2	28.5	\$2,150,431	99.5
Building.....	3,452,007	12,319	3.2	.2	11,795,080	59.9	Heating and piping.....	199,849	163,207	42.9	81.7	358,584	99.2
Building not specialized.....	3,176,600	7,419	2.0	.2	11,099,430	59.0	Plumbing.....	603,080	202,921	53.3	33.0	1,058,181	100.0
Commercial building only.....	128,108	800	.3	.9	398,000	66.8	Roofing and sheet-metal work.....	\$194,381	2,000	.5	1.0	460,650	100.0
Residential building only.....	147,299	4,900	1.3	3.3	297,584	84.8	Roofing.....	180,881	2,000	.5	1.1	426,012	100.0
Highway.....	3,209,622	353	.2	(*)	6,591,906	92.9	<i>Footnotes:</i>						
Central station light and power plant.....	15,975	400	.2	2.5	51,851	76.9	¹ Based upon the difference between the total value of all construction business reported and the value of subcontract work let.						
Subcontractors.....	\$4,846,283	368,128	96.8	7.6	\$8,432,939	99.0	² See footnote 2 of Table 9 on page 304.						
Heating and plumbing.....	1,284,590	366,128	96.2	28.5	\$2,150,431	99.5	³ Includes cost of materials reported by establishments which did not include designated material in their distributed lists.						
Heating and piping.....	199,849	163,207	42.9	81.7	358,584	99.2	⁴ Includes construction work reported by establishments which did not include the designated material in their distributed lists.						
Plumbing.....	603,080	202,921	53.3	33.0	1,058,181	100.0	⁵ Less than one-tenth of 1 per cent.						
Roofing and sheet-metal work.....	\$194,381	2,000	.5	1.0	460,650	100.0	⁶ Includes cost of materials reported by subcontracting establishments which did not include the designated material in their distributed lists.						
Roofing.....	180,881	2,000	.5	1.1	426,012	100.0	⁷ Includes construction work reported by subcontracting establishments which did not include the designated material in their distributed lists.						

CONSTRUCTION—GEORGIA

TABLE 11.—COST OF MATERIAL FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929

CLASSIFICATION OF ESTABLISHMENTS	Total cost of all materials ¹	COST OF ALL MATERIALS DISTRIBUTED BY KIND		Sand, gravel, crushed stone, slag, cinders, etc.	Brick, (face, common, fire, paving, etc.)	Tile, (fireproofing)	Tile, facing, terra cotta, floor, and wall	Concrete and cinder block	Cut stone, granite, and marble	Riprap, rubble, etc.	Cement	Limo	Plaster, etc.
		Amount	Per cent of total										
GEORGIA	\$23,624,087	\$18,869,016	79.9	\$2,682,417	\$1,298,781	\$216,932	\$284,707	\$759,654	\$387,841	\$13,241	\$2,203,380	\$114,961	\$183,220
General contractors.....	16,410,895	12,764,193	77.8	2,584,276	1,207,281	106,932	58,228	758,654	245,951	13,241	2,104,482	78,206	134,870
Building.....	9,073,409	6,910,092	76.2	432,407	1,211,515	105,932	56,448	757,054	243,374	5,536	528,558	77,286	132,595
Building not specialized.....	8,284,321	6,464,302	78.5	392,499	1,126,462	100,842	51,134	757,004	238,374	4,924	497,003	71,689	124,878
Commercial building only.....	247,081	155,753	63.0	26,716	25,192	4,240	2,035	—	3,500	—	19,799	1,611	3,426
Residential building only.....	507,027	280,027	55.1	13,193	59,921	860	3,270	950	1,500	612	11,096	3,968	4,001
Highway.....	4,773,498	4,081,231	85.5	1,790,874	9,412	800	1,780	—	1,677	—	1,244,380	370	1,875
Bridge and culvert.....	1,136,259	970,141	85.4	168,876	2,880	—	—	—	—	—	162,894	—	—
Grading.....	8,392	8,392	100.0	6,065	—	—	—	—	—	—	—	—	—
Street paving.....	457,367	57,367	12.5	13,864	33,301	—	—	—	—	—	—	—	—
Sewer, gas, water, conduit.....	447,092	447,092	100.0	114,600	29,070	—	—	700	—	—	90,950	—	—
Central station light and power plant.....	280,875	280,875	100.0	66,700	10,500	200	—	—	1,000	—	77,700	250	—
Subcontractors.....	7,213,192	6,104,822	84.6	98,141	1,590	110,000	176,470	1,000	151,890	—	98,898	36,755	48,359
Concreting.....	65,565	65,565	100.0	24,640	—	—	—	—	—	—	—	—	—
Electrical.....	1,852,622	1,790,708	96.7	2,500	—	—	—	1,000	—	—	1,200	—	—
Elevator construction.....	1,047,269	1,047,269	100.0	—	—	—	—	—	—	—	—	—	—
Heating and plumbing.....	1,032,854	1,797,606	93.0	188	—	—	—	—	—	—	102	—	—
Heating and piping.....	268,784	233,849	90.4	—	—	—	—	—	—	—	—	—	—
Plumbing.....	1,170,151	1,082,096	92.0	188	—	—	—	—	—	—	102	—	—
Automatic sprinkler system.....	481,661	481,661	100.0	—	—	—	—	—	—	—	—	—	—
Masonry.....	201,000	201,000	100.0	20,000	—	110,000	—	—	—	—	30,000	21,000	20,000
Painting and decorating.....	63,147	63,147	100.0	—	—	—	—	—	—	—	—	—	—
Glass and glazing.....	166,164	166,164	100.0	—	—	—	—	—	—	—	—	—	—
Plastering and lathing.....	121,533	121,533	100.0	13,875	—	—	—	—	—	—	5,150	14,545	28,034
Roofing and sheet-metal work.....	376,759	376,759	100.0	7,489	1,500	—	—	—	—	—	14,130	710	—
Roofing.....	238,874	238,874	100.0	7,489	1,500	—	—	—	—	—	14,130	710	—
Sheet-metal work.....	27,500	27,500	100.0	—	—	—	—	—	—	—	—	—	—
Roofing and sheet metal combined.....	110,385	110,385	100.0	—	—	—	—	—	—	—	—	—	—
Steel erection.....	34,810	34,810	100.0	—	—	—	—	—	—	—	—	—	—
Stonework.....	35,300	35,300	100.0	—	—	—	—	—	35,000	—	—	—	—
Marble and tiling.....	1,282,879	371,101	28.9	20,140	—	—	176,470	—	116,890	—	11,216	600	325
Ornamental iron.....	33,800	33,800	100.0	—	—	—	—	—	—	—	—	—	—
ATLANTA	14,583,081	12,611,327	86.5	1,998,363	364,999	138,027	198,787	295,754	307,240	13,241	1,433,857	65,600	104,910
General contractors.....	9,592,448	7,765,044	80.9	1,619,097	383,499	28,027	31,822	204,754	157,350	13,241	1,363,868	33,950	71,910
Building.....	4,955,830	3,452,097	69.7	319,098	350,917	27,827	30,042	204,054	155,773	5,536	321,327	38,280	71,235
Building not specialized.....	4,532,125	3,176,000	70.1	287,931	305,012	22,987	27,917	293,104	152,273	4,924	263,248	28,809	68,885
Commercial building only.....	210,406	128,198	58.4	26,715	25,192	4,240	—	—	3,500	—	19,799	1,611	—
Residential building only.....	204,200	147,299	72.1	5,352	20,713	600	—	—	—	—	8,280	2,870	2,350
Highway.....	3,209,622	3,209,622	100.0	1,376,978	1,412	—	—	—	577	—	869,509	350	675
Bridge and culvert.....	770,534	631,953	82.0	101,868	—	—	—	—	—	—	85,332	—	—
Grading.....	8,395	8,395	100.0	6,065	—	—	—	—	—	—	—	—	—
Sewer, gas, water, conduit.....	447,092	447,092	100.0	114,600	29,070	—	—	700	—	—	90,950	—	—
Central station light and power plant.....	15,975	15,975	100.0	2,700	1,500	200	—	—	1,000	—	2,700	250	—
Subcontractors.....	4,990,633	4,846,283	97.1	77,266	1,500	110,000	166,965	1,000	149,800	—	60,930	31,710	33,000
Concreting.....	25,025	25,025	100.0	8,540	—	—	—	—	—	—	14,500	—	—
Electrical.....	1,432,238	1,393,424	97.2	2,500	—	—	—	1,000	—	—	1,200	—	—
Elevator construction.....	1,047,269	1,047,269	100.0	—	—	—	—	—	—	—	—	—	—
Heating and plumbing.....	1,032,854	1,234,590	96.7	188	—	—	—	—	—	—	50	—	—
Heating and piping.....	199,849	1,190,849	100.0	—	—	—	—	—	—	—	—	—	—
Plumbing.....	630,080	603,080	95.7	188	—	—	—	—	—	—	50	—	—
Automatic sprinkler systems.....	481,661	481,661	100.0	—	—	—	—	—	—	—	—	—	—
Masonry.....	201,000	201,000	100.0	20,000	—	110,000	—	—	—	—	30,000	21,000	20,000
Painting and decorating.....	30,000	30,000	100.0	—	—	—	—	—	—	—	—	—	—
Glass and glazing.....	166,164	166,164	100.0	—	—	—	—	—	—	—	—	—	—
Plastering and lathing.....	78,000	78,000	100.0	10,000	—	—	—	—	—	—	1,000	10,000	13,000
Roofing and sheet-metal work.....	194,381	194,381	100.0	7,489	1,500	—	—	—	—	—	14,130	710	—
Roofing.....	180,881	180,881	100.0	7,489	1,500	—	—	—	—	—	14,130	710	—
Sheet-metal work.....	13,500	13,500	100.0	—	—	—	—	—	—	—	—	—	—
Steel erection.....	34,810	34,810	100.0	—	—	—	—	—	—	—	—	—	—
Stonework.....	35,300	35,300	100.0	—	—	—	—	—	35,000	—	—	—	—
Marble and tiling.....	410,698	355,420	85.3	28,240	—	—	166,965	—	114,800	—	9,049	—	—

¹ Certain establishments did not give a distribution of the cost of their materials by separate items. The total cost of materials reported by such establishments is, however, included in totals in this column which carry a footnote to that effect.

² See footnote 2, Table 9, on page 364.

³ Includes waterworks, \$185,000; and railroad, \$40,000.

⁴ Includes manufacturing building, \$25,000.

⁵ Includes plumbing and heating combined, \$16,288.

⁶ Includes waterworks, \$185,000.

TABLE 11.—COST OF MATERIAL FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929—Con.

CLASSIFICATION OF ESTABLISHMENTS	Structural steel	Reinforcing steel	Cast iron miscellaneous, excluding pipe	Metal doors, windows, and trim	Metal and wire lath and furring	Ornamental metal work	Lumber, rough and finished	Laths, shingles and shakes	Mill-work	Composition board	Water-proofing materials	Hardware, rough and finished	Paints, varnishes, and glass	Roofing and sheet metal	Finished flooring, n. e. s.
GEORGIA	\$765,417	\$519,848	\$55,027	\$111,848	\$62,605	\$51,673	\$1,489,197	\$70,362	\$590,164	\$95,719	\$31,960	\$184,199	\$554,880	\$472,997	\$60,637
General contractors	722,007	510,348	48,327	111,848	21,111	18,013	1,476,922	67,692	586,637	59,430	20,321	168,062	140,599	95,660	60,637
Building	238,430	175,289	35,172	109,361	20,711	16,913	1,317,902	67,542	675,662	59,290	18,721	142,060	131,116	92,170	60,637
Building not specialized	224,440	172,689	34,417	106,211	18,575	15,375	1,231,911	45,438	537,274	54,302	17,301	128,992	115,944	75,695	40,058
Commercial building only	12,840	1,600	465	3,750	1,000		21,339		8,021	101	950	5,406	3,718	3,288	
Residential building only	760	1,100	290	400	1,136	1,540	64,652	22,104	30,267	4,887	470	8,262	11,454	13,187	11,570
Highway	58,409	171,908	1,579	520	400	1,100	78,078	160	10,615		800	1,390	8,753	1,700	
Bridge and culvert	392,368	74,851		767			53,842		160		90	15,512		1,300	
Sewer, gas, water, conduit		14,600	11,570				13,400				800	8,200			
Central station light and power plant	33,400	82,700		700			13,700		400	50		300	700	400	
Subcontractors	42,810	500	0,700		41,494	33,660	12,275	2,670	3,517	36,289	11,039	16,187	214,311	377,337	
Concreting		500					3,825								
Electrical	8,000		5,500				6,000					16,000		20,257	
Painting and decorating													63,147		
Glass and glazing					41,219		2,670				1,239	137	151,164	15,000	
Plastering and lathing						1,000	450			6,408	10,400			338,080	
Roofing and sheet-metal work							450				10,400			202,195	
Roofing														27,600	
Sheet-metal work															
Roofing and sheet-metal combined						1,000								106,385	
Steel erection	34,810														
Marble and tiling			1,200		275				3,517	29,881					
Ornamental iron						32,660									
ATLANTA	\$37,543	\$55,110	\$3,880	\$1,216	\$9,758	\$2,039	\$28,724	\$10,147	\$258,917	\$74,603	\$26,811	\$119,629	\$13,765	\$235,594	\$7,929
General contractors	494,733	355,110	43,380	81,216	9,758	2,039	811,949	8,147	233,400	41,728	15,411	103,629	32,001	36,635	37,029
Building	133,073	137,822	30,523	80,516	9,758	2,039	715,453	7,997	231,455	41,678	14,611	91,701	31,548	36,235	37,929
Building not specialized	121,533	134,922	30,385	76,366	8,313	1,749	652,322	5,347	218,364	39,890	13,311	84,101	23,948	27,148	30,454
Commercial building only	10,940	1,500		3,750	1,000		15,739		3,521	101	950	4,850	1,600	800	
Residential building only	600	1,100	140	400	445	290	47,402	2,650	9,600	1,687	350	2,750	0,100	3,287	7,475
Highway	55,409	170,708	1,279				69,078	150	1,615			390			
Bridge and culvert	305,851	29,880					12,908					3,038			
Sewer, gas, water, conduit		14,600	11,570				13,400				800	8,200			
Central station light and power plant	400	2,400		700			1,100		400	50		300	700	400	
Subcontractors	42,810		5,500		30,000		11,775	2,000	3,517	32,881	11,400	16,000	181,164	198,959	
Concreting							2,825								
Electrical	8,000		5,500				500					16,000		26,257	
Painting and decorating													30,000		
Glass and glazing													151,164	15,000	
Plastering and lathing					30,000		8,000	2,000		3,000	1,000			157,702	
Roofing and sheet-metal work							450				10,400			144,202	
Roofing							450				10,400			18,500	
Sheet-metal work															
Steel erection	34,810														
Marble and tiling									3,517	29,881					

CLASSIFICATION OF ESTABLISHMENTS	Screens, shades, awnings, etc.	Heating and ventilating equipment	Plumbing and gas fitting equipment	Electrical appliances and supplies	Elevators, dumb-waiters, etc.	Pipe: Drain, tile, vitrified, concrete, etc.	Pipe: Cast iron, sheet and tube steel, etc.	Wire, cable, guards, and fencing	Bituminous paving materials	Wood piling and timber	Ready mixed concrete	Freight, hauling, or trucking to job	Chemicals, and chemical products	Sealing materials	Miscellaneous
GEORGIA	\$14,891	\$556,550	\$1,391,514	\$1,702,841	\$1,032,304	\$106,090	\$250,978	\$3,956	\$504,909	\$43,510	\$13,567	\$8,837	\$2,500	\$10,300	\$185,104
General contractors	8,891	26,171	63,452	63,090	5,035	102,485	221,976	3,956	504,909	43,510	13,567	8,837	2,500	10,300	181,709
Building	8,491	25,619	39,652	16,490	5,035	4,402	13,918	1,776		3,134	13,567		2,500		162,027
Building not specialized	4,762	20,719	29,841	14,809	5,035	4,260	13,918	1,276		3,134	13,567		2,500		158,652
Commercial building only			3,492												3,375
Residential building only	3,729	4,900	6,319	1,081		142		500							
Highway	400		12,800	51,600		14,929	117,000								14,735
Bridge and culvert		552				12,414	17,982	2,180	477,248	40,376					4,947
Grading						1,440			23,393						
Street paving									2,193			8,006			
Sewer, gas, water, conduit			10,000			69,200	73,096							10,300	
Central station light and power plant			1,000			100			76						
Subcontractors	6,000	530,379	1,328,062	1,634,751	1,047,269	3,605	29,000								3,365
Electrical		5,000	55,000	1,634,751	1,047,269	3,605	25,000								
Elevator construction					1,047,269										
Heating and plumbing	6,000	520,379	1,263,062			3,005	4,000								270
Heating and piping	6,000	191,207	36,642												
Plumbing		329,172	744,769			3,605	4,000								270
Automatic sprinkler systems			481,661												
Plastering and lathing															256
Roofing and sheet-metal work															
Roofing		5,000													
Roofing and sheet-metal combined		2,000													
Marble and tiling		3,000													2,869

1 See footnote 2, Table 9, on page 364.

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TABLE 11.—COST OF MATERIAL FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929—Con.

CLASSIFICATION OF ESTABLISHMENTS	Screens, shades, awnings, etc.	Heating and ventilating equipment	Plumbing and gas fitting equipment	Electrical appliances and supplies	Elevators, dumb-waiters, etc.	Pipe: Drain, tile, vitrified, concrete, etc.	Pipe: Cast iron, sheet and tube steel, etc.	Wire, cable, guards, and fencing	Bituminous paving materials	Wood piling and timber	Ready-mixed concrete	Freight, hauling, or trucking to job	Chemicals, and chemical products	Sealing materials	Miscellaneous
ATLANTA	\$3,310	\$380,447	\$962,984	\$1,367,421	\$1,048,084	\$100,790	\$244,766	\$126	\$484,576	\$31,670	\$13,567	-----	\$2,500	\$10,300	\$177,938
General contractors.....	3,310	12,319	40,235	59,954	815	99,585	219,706	126	484,576	31,670	13,567	-----	2,500	10,300	174,799
Building.....	3,310	12,319	25,235	9,954	815	4,142	11,744	126	-----	1,000	13,567	-----	2,500	-----	155,117
Building not specialized.....	2,190	7,419	16,916	8,273	815	4,000	11,744	126	-----	1,000	13,567	-----	2,500	-----	154,717
Commercial building only.....	-----	-----	2,000	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	400
Residential building only.....	1,129	4,900	6,319	1,681	-----	142	-----	-----	-----	-----	-----	-----	-----	-----	-----
Highway.....	-----	-----	10,000	50,000	-----	12,029	117,000	-----	450,248	-----	-----	-----	-----	-----	14,735
Bridge and culvert.....	-----	-----	-----	-----	-----	12,074	17,926	-----	25,253	30,970	-----	-----	-----	-----	4,947
Grading.....	-----	-----	-----	-----	-----	1,440	-----	-----	-----	-----	-----	-----	-----	-----	-----
Sewer, gas, water, conduit.....	-----	-----	10,000	-----	-----	99,200	73,096	-----	-----	-----	-----	-----	-----	10,300	-----
Central station light and power plant.....	-----	-----	1,000	-----	-----	100	-----	-----	75	-----	-----	-----	-----	-----	-----
Subcontractors.....	-----	368,128	916,749	1,307,467	1,047,269	1,205	25,000	-----	-----	-----	-----	-----	-----	-----	3,130
Electrical.....	-----	-----	-----	1,307,467	1,047,269	-----	25,000	-----	-----	-----	-----	-----	-----	-----	-----
Elevator construction.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Heating and plumbing.....	-----	368,128	916,749	-----	-----	1,205	-----	-----	-----	-----	-----	-----	-----	-----	270
Heating and piping.....	-----	163,207	36,042	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Plumbing.....	-----	202,921	308,446	-----	-----	1,205	-----	-----	-----	-----	-----	-----	-----	-----	270
Automatic sprinkler systems.....	-----	-----	481,661	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Roofing and sheet-metal work.....	-----	2,000	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Roofing.....	-----	2,000	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Marble and tiling.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2,869

TABLE 12.—NUMBER OF, AND VOLUME OF BUSINESS REPORTED BY, ESTABLISHMENTS DOING A CONSTRUCTION BUSINESS OF LESS THAN \$25,000 IN 1929, PERCENTAGE OF TOTAL NUMBER OF KNOWN ESTABLISHMENTS, AND AVERAGE VOLUME PER ESTABLISHMENT

TYPES OF WORK	GEORGIA 1930 population, 2,908,506								ATLANTA 1930 population, 270,366			REMAINDER OF STATE 1930 population, 2,033,140		
	Known contracting establishments				Volume of business reported				Total number active in 1929	Volume of business		Total number active in 1929	Volume of business	
	Total number	Inactive in 1929	Active in 1929		Number of reporting establishments	Per cent of active	Amount	Average per establishment		Number of reporting establishments	Amount		Number of reporting establishments	Amount
			Number	Per cent										
Total establishments canvassed (less than \$25,000).....	566	23	543	-----	-----	-----	-----	76	-----	-----	407	-----	-----	
Total establishments, type of work unknown.....	29	-----	29	-----	-----	-----	-----	10	-----	-----	19	-----	-----	
Total general and subcontractors classified.....	537	23	514	100.0	-----	-----	-----	66	-----	-----	448	-----	-----	
Total general contractors classified.....	170	18	152	29.6	37	24.3	\$353,251	\$9,547	10	2	\$27,000	130	35	\$326,261
Building.....	146	11	135	26.3	35	25.9	346,251	9,808	15	2	27,000	120	33	319,261
Highway.....	17	5	12	2.3	1	8.3	6,000	6,000	1	-----	-----	11	1	6,000
Sewer, gas, water, conduit.....	1	-----	1	-----	1	100.0	1,000	1,000	1	-----	-----	1	1	1,000
Bridge and culvert.....	2	-----	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Street paving.....	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Dredging.....	2	-----	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Water works.....	1	-----	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Total subcontractors classified.....	367	5	362	70.4	99	27.4	808,371	8,165	50	6	68,216	312	93	740,155
Carpentering.....	26	-----	26	5.1	0	23.1	21,950	3,058	-----	-----	-----	26	6	21,950
Concreting.....	7	1	6	1.2	2	83.3	7,000	3,500	1	-----	-----	5	2	7,000
Electrical.....	70	2	68	13.2	15	22.1	89,892	5,993	5	-----	-----	68	15	89,892
Heating and ventilating.....	7	-----	7	1.4	2	28.6	31,533	15,766	1	1	10,533	6	1	12,000
Masonry.....	3	-----	3	-----	1	33.3	1,000	1,000	-----	-----	-----	3	1	1,000
Painting and decorating.....	26	-----	26	5.1	7	26.9	15,700	2,243	1	-----	-----	25	7	15,700
Glass and glazing.....	1	-----	1	-----	1	100.0	2,750	2,750	-----	-----	-----	1	1	2,750
Plastering.....	5	-----	5	1.0	1	20.0	10,000	10,000	-----	-----	-----	5	1	10,000
Plumbing and heating.....	171	2	169	32.9	50	29.6	454,082	9,081	39	5	48,883	130	45	405,379
Sheet metal and roofing.....	81	-----	81	6.0	11	35.5	148,084	13,462	1	-----	-----	30	11	148,084
Marble and tiling.....	18	-----	18	3.5	3	16.7	26,400	8,800	2	-----	-----	16	3	26,400
Excavating.....	2	-----	2	-----	-----	-----	-----	-----	-----	-----	-----	2	-----	-----

TABLE 13.—ESTABLISHMENTS (WHOSE BUSINESS WAS LESS THAN \$25,000 IN 1929) WHICH REPORTED THEIR VOLUME OF CONSTRUCTION WORK, CLASSIFIED BY RANGE OF VOLUME OF BUSINESS

CLASSIFICATION	Total	Less than \$2,500	\$2,500 to \$4,999	\$5,000 to \$7,499	\$7,500 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$17,499	\$17,500 to \$19,999	\$20,000 to \$22,499	\$22,500 to \$24,999
GEORGIA											
Total general and subcontractors.....	136	20	30	23	16	14	10	7	3	10	3
General contractors.....	37	4	4	12	3	4	2	1	-----	6	1
Subcontractors.....	99	16	26	11	13	10	8	6	3	4	2

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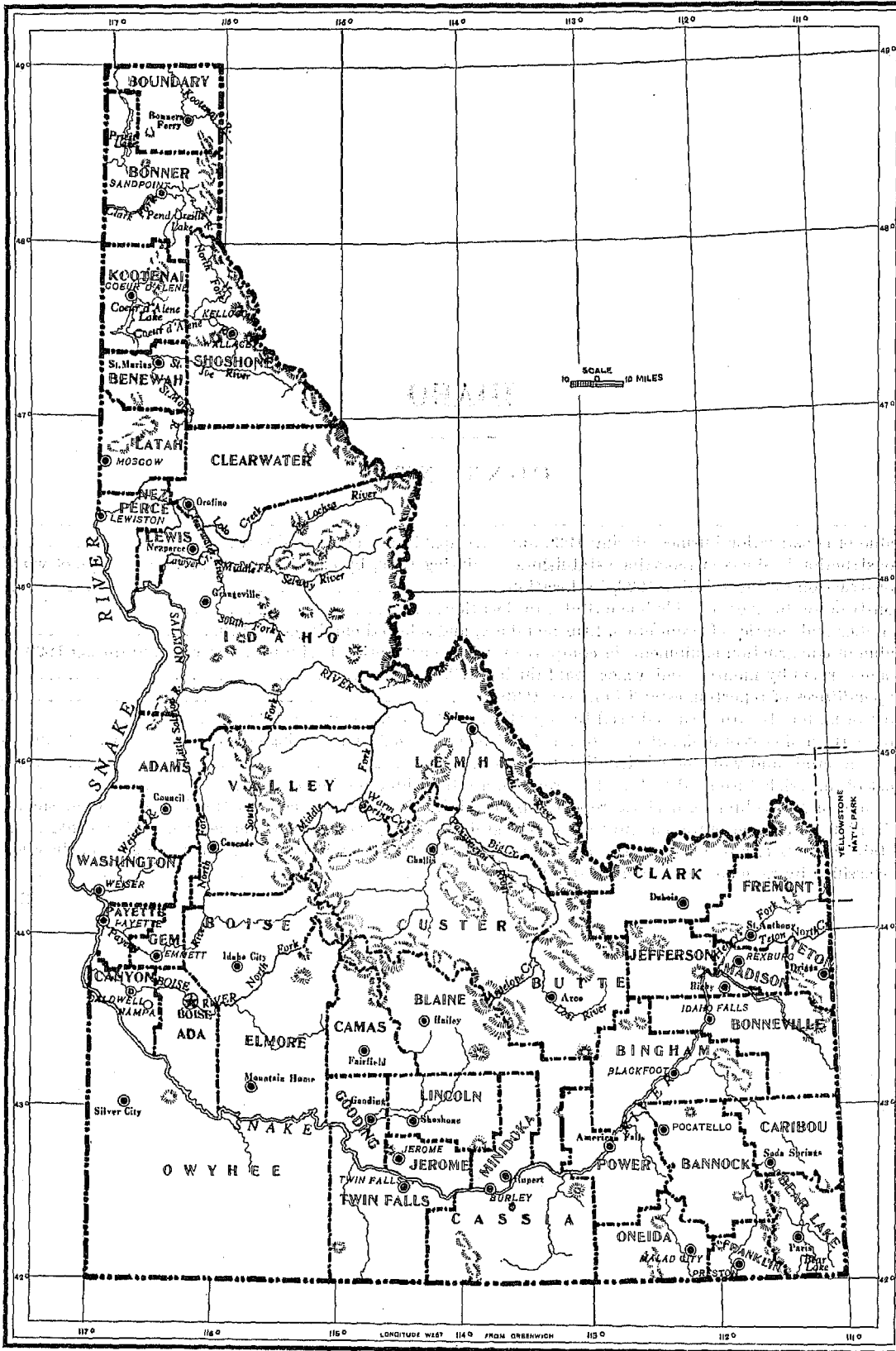


TABLE 1.—VALUE OF CONSTRUCTION BUSINESS DURING 1929 AND PRINCIPAL ITEMS OF EXPENDITURE

[Values expressed in thousands]

AREA, CLASSIFICATION OF ESTABLISHMENTS, AND SIZE OF BUSINESS GROUPS	Number of establishments	VALUE OF CONSTRUCTION BUSINESS					PRINCIPAL EXPENDITURES							
		Total	Under general contract or directly for owner	Under subcontract	Subcontract work let	Wages paid	Cost of materials	Total	Under general contract or directly for owner	Under subcontract	Subcontract work let	Wages paid	Cost of materials	
IDAHO	44	\$7,120	\$6,570	\$551	\$852	\$2,207	\$1,188	<i>Size of business groups</i>						
Counties:								<i>General contractors</i>						
Ada.....	15	3,630	3,439	191	120	1,189	389	30	\$6,325	\$6,325		\$822	\$2,060	\$728
Bannock.....	5	593	565	28	147	100	225	5	189	189		11	71	42
Nez Perce.....	3	184	141	43	81	51	19	10	762	762		165	105	220
Twin Falls.....	6	1,036	1,001	35	239	391	126	8	1,179	1,179		333	245	307
Other counties ¹	15	1,677	1,423	254	265	476	410	5	1,499	1,499		313	581	128
								1	581	581			230	14
								1	2,115	2,115			739	17
<i>Classification of establishments</i>								<i>Building contractors</i>						
General contractors.....	30	6,325	6,325		822	2,060	728	12	1,369	1,369		365	316	534
Building.....	12	1,369	1,369		365	316	534	1	29	29		7	7	16
Highway.....	7	657	657		199	137	81	5	370	370		74	107	137
Bridge, culvert, and railroad.....	3	2,258	2,258		10	776	91	4	567	567		131	108	260
Dredging, river, harbor, etc.....	4	1,103	1,103		100	504	7	2	434	434		153	95	121
Other classes ²	4	907	907		88	327	15							
Subcontractors.....	14	795	244	551	30	147	440	<i>Subcontractors</i>						
Electrical.....	3	83		93		20	46	14	795	244	\$551	30	147	440
Heating and plumbing.....	8	560	209	354	30	80	331	10	364	74	290	2	95	171
Heating and piping.....	4	388	108	280	28	51	241	3	186	105	81	1	26	120
Plumbing and heating combined.....	4	172	98	74	2	28	91	<i>\$25,000 to \$49,999</i>						
Other classes ³	3	143	38	104		47	63	10	364	74	290	2	95	171
								3	186	105	81	1	26	120
								<i>\$50,000 to \$99,999</i>						
								1	245	65	180	27	24	150
								<i>\$100,000 to \$499,999</i>						
								<i>\$500,000 to \$999,999</i>						
								<i>\$1,000,000 and over</i>						

¹ Includes Bingham, Bonnevillo, Canyon, Cassia, Gooding, Idaho, Jerome, Kootenai, Latah, and Shoshone, for which data can not be shown without revealing individual operations. From areas other than those listed, no reports were received from establishments which handled as much as \$25,000 business during 1929.
² Includes grading; and dam and reservoir.
³ Includes roofing; sheet-metal work; and highway.

TABLE 2.—CONSTRUCTION BUSINESS OF REPORTING ESTABLISHMENTS DURING 1929, BY CLASS OF OWNERSHIP AND BY TYPE OF WORK

CLASS OF OWNERSHIP AND TYPE OF CONSTRUCTION WORK	CONSTRUCTION BUSINESS REPORTED BY—						CLASS OF OWNERSHIP AND TYPE OF CONSTRUCTION WORK	CONSTRUCTION BUSINESS REPORTED BY—					
	All classes of establishments		General contractors		Subcontractors			All classes of establishments		General contractors		Subcontractors	
	Number reporting	Value	Number reporting	Value	Number reporting	Value		Number reporting	Value	Number reporting	Value	Number reporting	Value
IDAHO	44	\$7,120,468	30	\$6,325,301	14	\$795,167	IDAHO—Continued						
All construction business.....	44	\$7,120,468	30	\$6,325,301	14	\$795,167	<i>All business under general contract or directly for owners—Cont'd.</i>						
Distribution not reported.....	5	797,236	1	402,249	4	394,987	<i>Buildings—continued.</i>						
Distributed by class of ownership.....							<i>Distributed by class of buildings—continued.</i>						
Private.....	30	6,323,232	29	5,923,052	10	400,180	4	\$26,100	3		1	\$40,731	
Quasi public or community.....	25	2,436,332	16	2,164,298	2	324,834	8	221,452	6	\$197,821	2		
Public.....	4	32,900	2				3	40,700	3	40,700			
Distribution not reported.....	29	3,834,100	24	3,758,754	5	75,346	14	1,685,600	14	1,685,600			
	1	101,000	1	101,000			1		1				
Distributed by class of public ownership.....							2	1,308,178	2	1,308,178			
Federal.....	28	3,733,100	23	3,657,754	5	75,346	0	1,936,713	0	1,936,713			
State.....	11	1,044,785	9		2	60,946	3	114,713	3	114,713			
County or township.....	18	1,091,412	13	2,975,251	5		7	1,741,051	7	1,741,051			
Municipal.....	11	407,241	7	632,503	2	14,400	1	80,949	1	80,949			
	7	289,662	5				2		2				
All business under general contract or directly for owners.....	35	6,569,572	30	6,325,301	5	244,271	<i>All business under subcontract</i>						
Buildings.....	18	1,638,991	13	1,304,720	5	244,271	12	550,896			12	550,896	
Distribution not reported.....	5	332,166	3	234,134	2	98,062	1	28,335			1	28,335	
Distributed by class of buildings.....							<i>Distributed by class.....</i>						
Commercial.....	13	1,306,795	10	1,160,586	3	146,209	4	522,561			4	522,561	
Educational.....	11	517,298	9		2		4	95,840			4	95,840	
Hotel.....	7	369,610	6	807,565	1	79,352		327,482				327,482	
Hospital and institutional.....	1		1	()			6	255,499			6	255,499	
Public: Courts, jails, etc.....	2	66,626	1		2	()	4	71,963			4	71,963	
Social and recreational.....	2	65,000	2	()	1	()	4	99,259			4	99,259	

¹ Value omitted in order to avoid disclosing individual operations. The amounts omitted are, however, included in the respective totals.
² Includes establishments reporting the following types of work: Roofing, 1; sheet-metal work, 1; excavating, 1; highways, 1.

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TABLE 3.—CONSTRUCTION BUSINESS DURING 1929, BY LOCATION

CLASSIFICATION OF ESTABLISHMENTS	Estab-lish-ments report-ing	Total	In home city	In home State	Outside home State	CLASSIFICATION OF ESTABLISHMENTS	Estab-lish-ments report-ing	Total	In home city	In home State	Outside home State
General contractors.....	30	6,325,301	1,289,263	3,968,725	2,356,576	Electrical.....	3	92,586	91,000	92,586	—
Building.....	12	1,399,367	796,752	1,317,367	82,000	Heating and plumbing.....	8	560,043	267,271	519,103	40,940
Highway.....	7	657,434	80,400	496,136	161,298	Heating and piping.....	4	387,544	132,018	368,604	18,940
Bridge, culvert, and railroad.....	3	2,258,321	—	804,458	1,363,863	Plumbing and heating combined.....	4	172,499	135,253	150,499	22,000
Dredging, river, harbor, etc.....	4	1,103,210	402,249	868,333	234,877	Other classes ?.....	3	142,538	65,201	134,538	8,000
Other classes ?.....	4	906,069	9,862	392,431	514,538						

¹ Includes grading; and dam and reservoir.
² Includes roofing; sheet-metal work; and highway.

TABLE 4.—CONSTRUCTION BUSINESS OUTSIDE HOME STATE, BY LOCATION

STATE	LOCATION REPORTED BY—			STATE	LOCATION REPORTED BY—		
	All classes of establish-ments	General con-tractors	Subcon-tractors		All classes of establish-ments	General con-tractors	Subcon-tractors
IDAHO				Total distributed by State ¹ —Continued			
Total distributed by State ¹	\$2,405,516	\$2,356,576	\$48,940	Oregon.....	\$674,004	\$600,004	\$8,000
California.....	87,768	87,768	—	Utah.....	90,000	90,000	—
Montana.....	236,000	236,000	—	Washington.....	494,307	494,307	—
Nevada.....	160,359	138,359	22,000	Wyoming.....	378,995	378,995	—
North Dakota.....	265,083	265,083	—	Other States, n. s.....	18,940	—	18,940

Number of establishments reporting:
¹ All classes, 15—General contractors, 12; subcontractors, 3.

TABLE 5.—NUMBER AND SALARIES OF PROPRIETORS, FIRM MEMBERS, AND SALARIED EMPLOYEES: 1929

CLASSIFICATION OF ESTABLISHMENTS	Estab-lish-ments report-ing	PROPRIETORS AND FIRM MEMBERS			SALARIED EMPLOYEES									
		Re-ceiving no sal-ary	Receiving sala-ries		All salaried em-ployees		Officers and cler-ical staff		Superintendents, foremen, etc.		Number reported, by sex			Sex not re-ported
			Num-ber	Total annual salaries	Total num-ber	Total annual salaries	Num-ber	Total annual salaries	Num-ber	Total annual salaries	Total	Male	Fe-male	
IDAHO	43	37	14	\$59,710	79	\$198,623	47	\$108,485	32	\$90,138	73	67	6	6
General contractors.....	30	25	10	44,635	69	181,372	40	97,834	29	83,538	64	59	5	5
Building.....	12	10	3	18,062	20	45,221	10	23,860	10	21,361	16	15	1	4
Highway.....	7	6	5	21,600	12	23,450	9	14,790	3	8,700	11	10	1	1
Bridge, culvert, and railroad.....	3	2	—	—	17	50,300	10	27,700	7	22,000	17	15	2	—
Dredging, river, and harbor.....	4	4	2	4,973	12	34,616	8	21,458	4	13,158	12	12	—	—
Other classes ?.....	4	3	—	—	8	27,745	3	10,026	5	17,719	8	7	1	—
Subcontractors.....	13	12	4	15,075	10	17,251	7	10,651	3	6,000	9	8	1	1
Electrical.....	3	3	—	—	2	3,600	2	3,600	—	—	2	2	—	—
Heating and plumbing.....	7	5	4	15,075	6	10,051	5	7,051	1	3,000	5	4	1	1
Heating and piping.....	4	3	2	6,300	4	6,465	3	3,465	1	3,000	3	2	1	1
Plumbing and heating combined.....	3	2	2	8,775	2	3,586	2	3,586	—	—	2	2	—	—
Other classes ?.....	3	4	—	—	2	3,600	—	—	2	3,600	2	2	—	—

¹ Includes grading; and dam and reservoir.
² Includes roofing; sheet-metal work; and highway.

TABLE 6.—VALUE OF CONSTRUCTION EQUIPMENT, IN COMPARISON WITH CONSTRUCTION BUSINESS AND WAGES PAID DURING 1929

CLASSIFICATION OF ESTABLISHMENTS AND PERCENTAGE OF EQUIPMENT OWNED	Establishments reporting	EQUIPMENT		Value of construction business reported	Wages paid	CLASSIFICATION OF ESTABLISHMENTS AND PERCENTAGE OF EQUIPMENT OWNED	Establishments reporting	EQUIPMENT		Value of construction business reported	Wages paid
		Purchased during the year	Inventory value at end of year					Purchased during the year	Inventory value at end of year		
IDAHO.....	43	\$498,901	\$1,083,584	\$7,076,181	\$2,195,750	<i>Percentage of equipment owned</i>					
<i>Classification of establishments</i>											
General contractors.....	30	492,278	1,032,379	6,325,301	2,059,607	General contractors.....					
Building.....	12	5,700	41,527	1,306,367	316,368	None.....					
Highway.....	7	60,885	150,363	657,434	136,976	1% to 25%, inclusive.....					
Bridge, culvert, and railroad.....	3	174,502	383,448	2,258,321	775,614	26% to 50%, inclusive.....					
Dredging, river, harbor, etc.....	4	212,476	261,749	1,103,210	503,658	51% to 75%, inclusive.....					
Other classes ¹	4	38,715	190,292	406,569	326,991	76% to 99%, inclusive.....					
Subcontractors.....	13	6,623	51,205	750,880	136,173	100%.....					
Electrical.....	3	1,168	1,637	92,586	20,313	Not reported.....					
Heating and plumbing.....	7	3,630	27,002	615,756	68,637	Subcontractors.....					
Heating and piping.....	3	2,330	17,899	343,257	40,452	None.....					
Plumbing and heating combined.....	4	1,200	10,003	172,450	25,456	1% to 25%, inclusive.....					
Other classes ²	3	1,925	21,366	142,538	46,923	26% to 50%, inclusive.....					
						51% to 75%, inclusive.....					
						76% to 99%, inclusive.....					
						100%.....					
						Not reported.....					

¹ Includes grading; and dam and reservoir.
² Includes roofing; sheet-metal work; and highway.

TABLE 7.—WAGE EARNERS BY MONTHS, AND WAGES PAID DURING 1929

CLASSIFICATION OF ESTABLISHMENTS AND LENGTH OF WORKING WEEK	Establishments reporting	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY												Wages paid during year
		January	February	March	April	May	June	July	August	September	October	November	December	
IDAHO.....	41	624	611	805	1,217	1,727	1,918	2,189	2,518	2,363	2,229	2,080	1,233	\$2,166,771
<i>Classification of establishments</i>														
General contractors.....	29	576	661	810	1,155	1,655	1,845	2,109	2,437	2,269	2,163	2,018	1,174	2,054,290
Building.....	12	115	96	125	103	224	226	257	318	341	262	244	160	316,368
Highway.....	7	6	12	10	72	96	122	206	238	206	152	167	120	136,976
Bridge, culvert, and railroad.....	3	200	151	324	515	890	913	963	988	782	714	323	257	775,614
Dredging, river, harbor, etc.....	4	140	166	168	226	228	373	548	701	732	826	1,126	550	503,658
Other classes ¹	3	115	136	183	179	217	211	135	192	208	199	168	81	321,674
Subcontractors.....	12	48	50	55	62	72	73	80	81	93	76	62	59	112,481
Electrical.....	3	11	12	11	11	13	14	13	14	13	13	12	11	20,313
Heating and plumbing.....	6	16	16	16	17	19	18	22	27	34	22	22	20	45,245
Other classes ²	3	21	22	28	34	40	41	45	40	46	41	28	28	46,923
<i>Length of working week</i>														
General contractors.....	20	576	661	810	1,155	1,655	1,845	2,109	2,437	2,269	2,163	2,018	1,174	2,054,290
44-hour, 5½-day week.....	6	28	65	68	83	80	103	109	138	115	100	102	78	160,127
48-hour, 6-day week.....	15	183	142	191	245	353	433	593	776	796	747	805	359	555,979
54-hour, 6-day week.....	1	3	5	3	32	8	3	18	13	12	31	78	74	8,307
60-hour, 6-day week.....	2	3	5	5	5	38	50	33	53	72	75	45	34	81,858
All other 6-day week.....	2	287	247	448	662	1,041	1,041	1,040	1,078	885	790	392	300	969,463
All other not designated.....	3	72	97	98	128	135	215	316	379	389	410	506	329	278,556
Subcontractors.....	12	48	50	55	62	72	73	80	81	93	76	62	59	112,481
40-hour, 5-day week.....	1	4	4	4	4	4	4	4	4	4	4	4	4	7,000
44-hour, 5½-day week.....	2	5	6	6	6	7	7	7	7	7	6	6	5	12,257
48-hour, 6-day week.....	8	37	33	42	48	55	50	63	62	72	51	47	45	86,853
All other 6-day week.....	1	2	2	3	4	6	6	6	8	10	15	5	5	278,556

¹ Includes grading; and dam and reservoir.
² Includes roofing; sheet-metal work; and highway.

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TABLE 8.—EXPENDITURES OF REPORTING ESTABLISHMENTS: 1929

CLASSIFICATION OF ESTABLISHMENTS	Estab-lish-ments reporting	Value of construction business reported	PRINCIPAL ITEMS OF EXPENDITURE			OTHER ITEMS OF EXPENDITURE							
			Subcon-tract work let	Wages paid	Cost of materials	Salaries		Rent for		Interest	Contract bond premi-ums	Compensa-tion and liability insurance premi-ums	All other overhead expenses
						Proprie-tors and firm members	Employ-ees	Equip-ment	Offices, etc.				
IDAHO	34	\$4,201,970	\$710,000	\$1,275,814	\$891,497	\$27,845	\$148,080	\$28,640	\$9,465	\$23,707	\$48,932	\$33,427	\$945,827
General contractors.....	23	3,715,038	707,000	1,165,400	637,932	12,770	128,352	28,040	3,608	21,367	46,836	30,005	805,249
Building.....	10	1,219,841	304,000	282,055	478,688	1,170	45,221	200	1,532	6,540	9,567	7,048	26,513
Highway.....	5	545,575	175,000	103,118	62,933	11,600	21,170	17,006	1,854	4,757	11,074	2,083	67,692
Dredging, river, harbor, etc.....	3	1,066,553	160,000	485,276	6,812	-----	32,616	4,200	15	7,574	15,508	12,064	434,399
Other classes ¹	5	883,069	68,000	204,051	89,499	-----	29,345	7,234	207	2,496	10,687	7,610	286,645
Subcontractors.....	11	486,932	3,000	110,414	263,565	15,075	19,728	-----	5,847	2,340	2,096	3,422	40,578
Heating and plumbing.....	6	286,808	3,000	48,882	167,221	15,075	12,528	-----	3,847	1,224	1,486	879	17,403
Heating and piping.....	3	142,644	1,000	27,584	90,628	6,300	2,265	-----	2,947	681	600	310	6,198
Plumbing and heating combined.....	3	144,164	2,000	21,298	76,593	8,775	10,263	-----	900	543	826	563	11,205
Other classes ²	5	200,124	-----	61,532	86,344	-----	7,200	-----	2,000	1,116	610	2,543	23,175

¹ Includes bridge and culvert; grading; and dam and reservoir.
² Includes electrical; roofing; sheet-metal work; and highway.

TABLE 9.—COST OF MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, BY KIND

KIND OF MATERIALS	COST OF MATERIALS REPORTED BY					KIND OF MATERIAL	COST OF MATERIALS REPORTED BY					
	All classes of establish-ments			General contractors	Subcon-tractors		All classes of establish-ments			General contractors	Subcon-tractors	
	Amount	Per cent dis-tri-bu-tion	Per \$1,000 con-struction work done ¹				Amount	Per cent dis-tri-bu-tion	Per \$1,000 con-struction work done ¹			
IDAHO						Distributed by kind—Continued.						
All kinds of material.....	\$1,168,380	-----	\$186.40	\$728,233	\$440,147	Lath, shingles, and shakes (wood).....	\$4,720	0.7	\$1.35	\$4,720	-----	-----
Distribution not reported.....	516,312	44.1	-----	282,091	283,221	Millwork.....	36,088	5.5	10.30	36,088	-----	-----
Distributed by kind.....	653,068	100.0	-----	496,142	156,926	Composition board.....	2,250	.3	.04	2,250	-----	-----
Sand, gravel, stone, slag, cinders, etc.	42,700	6.5	12.21	42,700	-----	Waterproofing materials.....	400	.1	.11	400	-----	-----
Brick (face, common, fire, paving, etc.)	34,425	5.3	9.83	34,425	-----	Hardware, rough and finished.....	11,403	1.7	3.25	11,403	-----	-----
Tile, facing, terra cotta, floor, and wall.....	3,300	.5	.94	2,300	1,000	Paints, varnishes, glass.....	10,950	1.7	3.13	10,950	-----	-----
Concrete and cinder block.....	348	.1	1.10	348	-----	Roofing and sheet metal.....	44,388	6.8	12.07	2,800	-----	\$41,588
Cut stone, granite and marble.....	6,669	1.0	1.90	6,669	-----	Finished flooring (other than cement, wood, or tile).....	2,800	.4	.80	450	-----	-----
Riprap and rubble.....	4,500	.7	1.28	4,500	-----	Screens, shades, awnings, etc.....	450	.1	.13	450	-----	-----
Cement.....	44,991	6.9	12.84	44,991	-----	Heating and ventilating equipment.....	85,000	13.0	24.26	32,000	-----	53,000
Lime.....	5,830	.9	1.66	5,830	-----	Plumbing and gas fitting equipment.....	25,100	3.8	7.16	10,100	-----	15,000
Plaster, etc.....	10,070	1.5	2.87	10,070	-----	Electrical appliances and supplies.....	53,778	8.2	15.35	7,440	-----	46,338
Structural steel.....	42,743	6.5	12.20	42,743	-----	Elevators, dumb-waiters, and equip-ment.....	300	(?)	.09	300	-----	-----
Reinforcing steel.....	28,881	4.4	8.24	28,881	-----	Pipe: Drain tile, vitrified, concrete, seg-ment tile, corrugated.....	11,900	1.8	3.40	11,900	-----	-----
Cast iron, miscellaneous, excluding pipe.....	4,200	.6	1.20	4,200	-----	Pipe: Cast-iron, sheet and tube steel, etc.....	4,512	.7	1.29	4,512	-----	-----
Metal doors, windows, and trim.....	10,500	1.6	3.00	10,500	-----	Wire cable, guards, and fencing.....	2,300	.4	.60	2,300	-----	-----
Metal and wire lath and furring.....	11,725	1.8	3.35	11,725	-----	Bituminous paving materials, tar, asphalt, and oil.....	8,200	1.3	2.34	8,200	-----	-----
Ornamental metal work.....	1,971	.3	.58	1,971	-----	Miscellaneous.....	3,140	.5	.90	3,140	-----	-----
Lumber, rough and finished.....	92,476	14.2	26.39	92,476	-----							

¹ The value of construction work is obtained from figures presented in Table 1, by subtracting the value of subcontract work let from the total value of construction business.
² Less than one-tenth of 1 per cent.
³ The percentage of total cost shown for this item is high because the business of establishments reporting this material constituted a considerable part of the total business reported for this area.

TABLE 10.—COMPARISON OF COST OF DESIGNATED MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, WITH COST OF MATERIALS AND VALUE OF CONSTRUCTION BUSINESS

[Based exclusively upon reports of establishments which gave the distributed cost of materials]

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹						
	Cost of all materials distributed by kind	Amount	Per cent of—					Amount	Total cost	Cost of all distributed materials	Cost of all materials distributed by kind			Amount	Per cent of—		Amount	Total cost	Cost of all distributed materials
			Total cost	Cost of all distributed materials											Total cost	Cost of all distributed materials			
IDAHO						IDAHO—Continued													
<i>Sand, gravel, crushed stone, slag, cinders, etc.</i>						<i>Lumber, rough and finished—Continued</i>													
All classes.....	\$53,008	\$42,760	100.0	6.5	\$4,937,986	88.0	<i>General contractors—Contd.</i>												
General contractors.....	496,142	42,760	100.0	8.6	4,681,661	87.0	Highway.....	\$27,933	\$1,203	1.4	4.6	\$209,585	69.7						
Building.....	380,198	21,910	51.2	5.3	922,404	73.9	Bridge and culvert.....	49,015	2,015	2.2	4.1	94,600	93.0						
Building not specialized.....	360,398	21,410	60.1	5.9	869,886	74.1	Dam and reservoir.....	14,136	2,860	3.0	19.8	581,169	100.0						
Commercial building only.....	19,800	500	1.2	2.5	52,518	69.8	Railroad.....	16,700	600	.6	3.6	2,116,221	100.0						
Highway.....	27,933	12,000	28.1	43.0	209,585	69.7	<i>Millwork</i>												
Bridge and culvert.....	49,015	2,200	5.1	4.5	94,600	93.0	All classes.....	\$53,008	\$6,088	100.0	5.5	\$4,937,986	88.0						
Dam and reservoir.....	14,136	3,000	7.0	21.2	581,169	100.0	General contractors.....	496,142	36,088	100.0	7.3	4,681,661	87.0						
Dredging, river, harbor, etc.....	6,812	150	4	2.2	688,249	85.5	Building.....	380,198	36,088	100.0	9.5	922,404	73.9						
Railroad.....	16,700	3,500	8.2	21.0	2,116,221	100.0	Building not specialized.....	360,398	33,088	91.7	9.2	869,886	74.1						
<i>Brick (face, common, fire, paving, etc.)</i>						<i>Roofing and sheet metal</i>													
All classes.....	\$53,008	\$4,425	100.0	5.3	\$4,937,986	88.0	All classes.....	\$53,008	\$4,388	100.0	6.8	\$4,937,986	88.0						
General contractors.....	496,142	\$4,425	100.0	6.9	4,681,661	87.0	General contractors.....	496,142	2,800	6.3	.6	4,681,661	87.0						
Building.....	380,198	\$4,425	100.0	9.1	922,404	73.9	Building.....	380,198	2,800	0.3	.7	922,404	73.9						
Building not specialized.....	360,398	28,425	82.6	7.9	869,886	74.1	Building not specialized.....	360,398	2,800	0.3	.8	869,886	74.1						
Commercial building only.....	19,800	6,000	17.4	30.3	52,518	69.8	<i>Subcontractors</i>												
<i>Cement</i>						<i>Roofing and sheet-metal work</i>													
All classes.....	\$53,008	\$4,401	100.0	6.9	\$4,937,986	88.0	Roofing.....	156,926	41,588	93.7	26.5	\$256,325	96.2						
General contractors.....	496,142	\$4,401	100.0	9.0	4,681,661	87.0	Roofing and sheet-metal work.....	42,588	41,588	93.7	97.7	64,452	100.0						
Building.....	380,198	34,555	76.8	9.1	922,404	73.9	<i>Heating and ventilating equipment and supplies*</i>												
Building not specialized.....	360,398	32,055	73.2	9.1	869,886	74.1	All classes.....	\$53,008	\$5,000	100.0	13.0	\$4,937,986	88.0						
Commercial building only.....	19,800	1,609	3.6	8.1	52,518	69.8	General contractors.....	496,142	32,000	37.6	6.4	4,681,661	87.0						
Highway.....	27,933	5,600	12.2	11.2	94,600	93.0	Building.....	380,198	32,000	37.6	8.4	922,404	73.9						
Bridge and culvert.....	49,015	3,336	7.4	23.6	581,169	100.0	Building not specialized.....	360,398	32,000	37.6	8.0	869,886	74.1						
Dam and reservoir.....	14,136	600	1.3	8.8	688,249	85.5	<i>Subcontractors</i>												
Dredging, river, harbor, etc.....	6,812	1,000	2.2	6.0	2,116,221	100.0	Heating and plumbing.....	156,926	53,000	62.4	33.8	\$256,325	96.2						
Railroad.....	16,700	1,000	2.2	6.0	2,116,221	100.0	Heating and piping.....	68,000	53,000	62.4	77.9	99,287	94.6						
<i>Structural steel</i>						<i>Heating and piping</i>													
All classes.....	\$53,008	\$4,743	100.0	6.5	\$4,937,986	88.0	All classes.....	\$53,008	\$3,000	62.4	77.9	\$256,325	96.2						
General contractors.....	496,142	\$4,743	100.0	8.6	4,681,661	87.0	<i>Plumbing and gas-fitting equipment and supplies</i>												
Building.....	380,198	22,743	53.2	6.0	922,404	73.9	All classes.....	\$53,008	\$25,100	100.0	3.8	\$4,937,986	88.0						
Building not specialized.....	360,398	22,243	62.0	6.2	869,886	74.1	General contractors.....	496,142	10,100	40.2	2.0	4,681,661	87.0						
Commercial building only.....	19,800	500	1.2	2.5	52,518	69.8	Building.....	380,198	10,100	40.2	2.7	922,404	73.9						
Bridge and culvert.....	49,015	20,000	46.8	40.8	94,600	93.0	Building not specialized.....	360,398	10,100	40.2	2.8	869,886	74.1						
<i>Reinforcing steel</i>						<i>Subcontractors</i>													
All classes.....	\$53,008	\$28,881	100.0	4.4	\$4,937,986	88.0	Heating and plumbing.....	156,926	15,000	59.8	9.0	\$256,325	96.2						
General contractors.....	496,142	\$28,881	100.0	5.8	4,681,661	87.0	Heating and piping.....	68,000	15,000	59.8	22.1	99,287	94.6						
Building.....	380,198	8,531	29.5	2.2	922,404	73.9	<i>Electrical appliances and supplies*</i>												
Building not specialized.....	360,398	8,331	28.8	2.3	869,886	74.1	All classes.....	\$53,008	\$3,778	100.0	8.2	\$4,937,986	88.0						
Commercial building only.....	19,800	200	.7	1.0	52,518	69.8	General contractors.....	496,142	7,440	13.8	1.5	4,681,661	87.0						
Highway.....	27,933	2,800	9.7	10.0	209,585	69.7	Building.....	380,198	7,440	13.8	2.0	922,404	73.9						
Bridge and culvert.....	49,015	12,500	43.3	25.5	94,600	93.0	Building not specialized.....	360,398	7,440	13.8	2.1	869,886	74.1						
Dam and reservoir.....	14,136	5,000	17.3	35.4	581,169	100.0	<i>Subcontractors</i>												
Dredging, river, harbor, etc.....	6,812	50	.2	.7	688,249	85.5	Electrical.....	156,926	46,338	86.2	20.5	\$256,325	96.2						
<i>Metal and wire lath and furring</i>						<i>Electrical</i>													
All classes.....	\$53,008	\$11,725	100.0	1.8	\$4,937,986	88.0	All classes.....	\$53,008	\$46,338	86.2	100.0	\$256,325	96.2						
General contractors.....	496,142	\$11,725	100.0	2.4	4,681,661	87.0	<i>Pipe: Drain tile, vitrified, concrete, segment-tile, corrugated</i>												
Building.....	380,198	\$11,725	100.0	3.1	922,404	73.9	All classes.....	\$53,008	\$11,900	100.0	1.8	\$4,937,986	88.0						
Building not specialized.....	360,398	10,725	91.5	3.0	869,886	74.1	General contractors.....	496,142	11,900	100.0	2.4	4,681,661	87.0						
Commercial building only.....	19,800	1,000	3.5	5.1	52,518	69.8	Highway.....	27,933	4,200	35.3	15.0	209,585	69.7						
<i>Lumber, rough and finished</i>						<i>Grading</i>													
All classes.....	\$53,008	\$2,476	100.0	14.2	\$4,937,986	88.0	Dredging, river, harbor, etc.....	6,812	1,000	3.4	74.2	69,433	62.0						
General contractors.....	496,142	\$2,476	100.0	18.6	4,681,661	87.0	Railroad.....	16,700	5,200	43.7	31.1	688,249	85.5						
Building.....	380,198	85,768	92.7	22.6	922,404	73.9	<i>General contractors</i>												
Building not specialized.....	360,398	81,268	87.9	22.5	869,886	74.1	Highway.....	27,933	4,200	35.3	15.0	209,585	69.7						
Commercial building only.....	19,800	4,500	4.9	22.7	52,518	69.8	Grading.....	1,348	1,000	8.4	74.2	69,433	62.0						

¹ Based upon the difference between the total value of all construction business reported and the value of subcontract work let.
² Includes cost of materials reported by subcontracting establishments which did not include the designated material in their distributed lists.
³ Includes construction work reported by subcontracting establishments which did not include the designated material in their distributed lists.
⁴ Includes cost of materials reported by establishments which did not include the designated material in their distributed lists.
⁵ Includes construction work reported by establishments which did not include the designated material in their distributed lists.
* See note 3 of Table 9, on p. 378.

CONSTRUCTION—IDAHO

TABLE 11.—COST OF MATERIAL FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929

CLASSIFICATION OF ESTABLISHMENTS	Total cost of all materials	COST OF ALL MATERIALS DISTRIBUTED BY KIND		Sand, gravel, crushed stone, slag, cinders, etc.	Brick (face, common, fire, paving, etc.)	Tile, facing, terra cotta, floor, and wall	Cut stone, granite and marble	Rip-rap, rubble, etc.	Cement	Lime	Plaster, etc.	Structural steel	Reinforcing steel	Cast iron, miscellaneous, excluding pipe	Metal doors, windows, and trim	Metal and wire lath and furring
		Amount	Per cent of total													
IDAHO	\$1,168,380	\$653,068	55.9	\$42,780	\$34,425	\$3,300	\$6,669	\$4,500	\$44,991	\$5,830	\$10,070	\$42,743	\$23,881	\$4,200	\$10,500	\$11,725
General contractors.....	728,233	496,142	68.1	42,780	34,425	2,300	6,669	4,600	44,991	5,830	10,070	42,743	23,881	4,200	10,500	11,725
Building.....	534,280	380,198	71.2	21,910	34,425	2,300	6,669	-----	34,555	5,830	10,070	22,743	8,531	1,700	10,500	11,725
Building not specialized.....	514,489	360,398	70.0	21,410	28,425	1,900	6,669	-----	32,955	4,830	9,570	22,243	8,331	1,700	10,500	10,725
Commercial building only.....	19,800	19,800	100.0	500	6,000	400	-----	-----	1,600	1,000	500	500	200	-----	-----	1,000
Highway.....	80,933	27,933	34.5	12,000	-----	-----	-----	4,500	-----	-----	-----	-----	2,800	-----	-----	-----
Bridge and culvert.....	74,015	49,015	66.2	2,200	-----	-----	-----	-----	5,500	-----	-----	20,000	12,500	2,500	-----	-----
Grading.....	1,348	1,348	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Dam and reservoir.....	14,136	14,136	100.0	3,000	-----	-----	-----	-----	3,336	-----	-----	-----	5,000	-----	-----	-----
Dredging, river, harbor, etc.....	6,812	6,812	100.0	150	-----	-----	-----	-----	600	-----	-----	-----	50	-----	-----	-----
Railroad.....	16,700	16,700	100.0	3,500	-----	-----	-----	-----	1,000	-----	-----	-----	-----	-----	-----	-----
Subcontractors.....	440,147	156,920	35.7	-----	-----	1,000	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Electrical.....	46,338	46,338	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Heating and plumbing.....	1,221	68,000	20.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Heating and piping.....	240,628	68,000	28.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Roofing and sheet metal work.....	2,588	42,588	68.0	-----	-----	1,000	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Roofing.....	42,588	42,588	100.0	-----	-----	1,000	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

CLASSIFICATION OF ESTABLISHMENTS	Lumber, rough and finished	Laths, shingles, and shakes	Mill-work	Composition board	Hardware, rough and finished	Paints, varnishes, and glass	Roofing and sheet metal	Finished flooring, n. e. s.	Heating and ventilating equipment	Plumbing and gas fitting equipment	Electrical appliances and supplies	Pipe: Drain tile, vitrified, concrete, etc.	Pipe: Cast iron, sheet and tube steel, etc.	Wire cable, guards, and fencing	Bituminous paving materials	Miscellaneous ¹
IDAHO	\$92,476	\$4,720	\$36,088	\$2,250	\$11,403	\$10,950	\$44,988	\$2,800	*\$85,000	\$25,100	*\$53,778	\$11,900	\$4,512	\$2,300	\$8,200	\$6,609
General contractors.....	92,476	4,720	36,088	2,250	11,403	10,950	2,800	2,800	32,000	10,100	7,440	11,900	4,512	2,300	8,200	6,609
Building.....	85,798	4,720	36,088	2,250	11,403	10,950	2,800	2,800	32,000	10,100	7,440	11,900	4,512	100	3,121	3,121
Building not specialized.....	81,238	4,720	33,088	2,250	10,903	10,950	2,800	2,800	32,000	10,100	7,440	11,900	4,512	100	3,021	3,021
Commercial building only.....	4,560	-----	3,000	-----	500	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	100
Highway.....	1,293	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	4,200	-----	-----	-----	3,140
Bridge and culvert.....	2,015	-----	-----	-----	-----	300	-----	-----	-----	-----	-----	1,000	-----	1,800	2,200	-----
Grading.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	348
Dam and reservoir.....	2,800	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1,500	4,512	-----	-----	-----
Dredging, river, harbor, etc.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	5,200	-----	400	6,000	-----
Railroad.....	600	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Subcontractors.....	-----	-----	-----	-----	-----	-----	41,588	-----	53,000	15,000	46,338	-----	-----	-----	-----	-----
Electrical.....	-----	-----	-----	-----	-----	-----	-----	-----	53,000	15,000	46,338	-----	-----	-----	-----	-----
Heating and plumbing.....	-----	-----	-----	-----	-----	-----	-----	-----	53,000	15,000	-----	-----	-----	-----	-----	-----
Heating and piping.....	-----	-----	-----	-----	-----	-----	-----	-----	53,000	15,000	-----	-----	-----	-----	-----	-----
Roofing and sheet metal work.....	-----	-----	-----	-----	-----	-----	41,588	-----	-----	-----	-----	-----	-----	-----	-----	-----
Roofing.....	-----	-----	-----	-----	-----	-----	41,588	-----	-----	-----	-----	-----	-----	-----	-----	-----

² Certain establishments did not give a distribution of the cost of their materials by separate items. Amounts reported by such establishments engaged in the following lines of work have been included as indicated in figures shown for "Total cost of all materials":

¹ Plumbing, \$20,000; plumbing and heating combined, \$70,500.

² Sheet-metal work, \$20,000.

³ Includes reported cost of concrete and cinder block; ornamental metal work; waterproofing materials; screens, shades, awnings, etc.; elevators, dumb-waiters, etc.; and miscellaneous, n. e. s. For total cost of these items see Table 9.

* See note 3 of Table 9, on p. 378.

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TABLE 1.—VALUE OF CONSTRUCTION BUSINESS DURING 1929, AND PRINCIPAL ITEMS OF EXPENDITURE

[Values expressed in thousands]

AREA, CLASSIFICATION OF ESTABLISHMENTS, AND SIZE OF BUSINESS GROUPS	Number of establishments	VALUE OF CONSTRUCTION BUSINESS			PRINCIPAL EXPENDITURES			AREA, CLASSIFICATION OF ESTABLISHMENTS, AND SIZE OF BUSINESS GROUPS	Number of establishments	VALUE OF CONSTRUCTION BUSINESS			PRINCIPAL EXPENDITURES		
		Total	Under general contract or directly for owner	Under sub-contract	Sub-contract work let	Wages paid	Cost of materials			Total	Under general contract or directly for owner	Under sub-contract	Sub-contract work let	Wages paid	Cost of materials
ILLINOIS	2,497	Dolls. 589, 011	Dolls. 440, 190	Dolls. 148, 821	Dolls. 134, 487	Dolls. 151, 494	Dolls. 186, 280	ILLINOIS—Continued.							
Counties and principal cities								Classification of establishments—Continued							
Counties:								Subcontractors—Continued.							
Adams	21	3, 204	2, 008	296	299	681	1, 350	Electrical	180	26, 941	11, 594	15, 347	120	9, 333	10, 796
Cass	3	193	189	4		60	37	Elevator construction	6	9, 009	2, 862	6, 746	20	1, 376	6, 073
Champaign	17	2, 141	2, 036	105	231	553	906	Heating and plumbing	463	67, 820	20, 287	41, 558	1, 980	18, 909	34, 899
Coles	5	746	640	200		162	346	Heating and piping	173	31, 534	12, 739	18, 747	1, 577	8, 058	15, 808
Cook	1, 715	503, 716	360, 200	134, 509	122, 392	128, 709	154, 060	Pipe covering	9	1, 250	175	1, 031	2	508	390
Crawford	5	473	442	31	62	138	144	Plumbing	231	25, 608	7, 423	18, 185	315	7, 693	13, 112
DeKalb	4	631	631		106	147	100	Plumbing and heating combined	63	5, 073	3, 538	1, 535	68	1, 330	2, 563
DuPage	14	1, 198	1, 089	109	106	379	418	Automatic sprinkler systems	7	4, 355	2, 345	2, 010	18	1, 313	2, 527
Edgar	5	321	795	26	96	196	272	Masonry	94	18, 399	7, 385	11, 014	906	6, 210	7, 453
Effingham	3	668	668		79	108	241	Painting and decorating	139	14, 831	5, 900	8, 931	27	8, 430	2, 622
Ford	3	333	325	8		59	86	Glass and glazing	14	1, 537	41	1, 490		379	703
Fulton	3	168	168		26	39	66	Plastering and lathing	117	10, 783	2, 148	14, 636	844	8, 117	4, 292
Henry	8	495	465	30	30	130	238	Roofing and sheet-metal work	171	14, 563	5, 112	9, 452	158	8, 011	5, 765
Iroquois	4	649	649		8	216	253	Roofing	66	9, 103	4, 070	5, 033	77	2, 219	3, 592
Jefferson	3	136	136			30	68	Sheet metal work	62	4, 160	790	3, 370	66	1, 339	1, 632
Kane	40	4, 002	3, 300	756	711	1, 177	1, 299	Roofing and sheet metal combined	14	1, 292	262	1, 040	15	263	521
Kankakee	9	623	419	204	97	153	210	Steel erection	22	6, 280	1, 466	4, 814	256	2, 743	1, 010
Knox	19	1, 040	967	83	104	289	423	Stonework	25	2, 412	1, 449	1, 063	30	706	879
Lake	70	7, 074	5, 610	1, 404	1, 211	2, 254	2, 217	Marble and tiling	69	6, 164	1, 205	7, 959	35	3, 106	3, 875
LaSalle	20	1, 293	1, 014	279	64	368	606	Wrecking	8	703		703		100	687
Lee	5	442	441	1	39	81	202	Excavating	24	1, 799	83	1, 716	100	808	994
Livingston	3	195	195		5	45	91	Ornamental iron	5	1, 800	97	1, 800		12	167
Logan	0	470	470		23	145	155	Grading	6	454	63	1, 560		500	542
McDonough	4	192	192			59	78	Street paving and highway	3	1, 606		1, 606		288	235
McHenry	4	693	688	5	36	139	147	Foundation	3	688		688		93	3, 894
McLean	20	2, 022	2, 244	378	400	607	1, 004	Metal work, n. e. s.	11	6, 406	4, 791	1, 735	6	1, 411	3, 894
Macon	28	3, 557	3, 370	187	950	924	1, 341	Rental of equipment, trucking, etc.	4	602	29	573	10	251	42
Madison	39	3, 034	2, 600	525	279	687	1, 259	Flooring, n. e. s.	4	1, 350	1, 133	226	3	370	545
Marion	8	439	423	16	19	132	232	Other classes	7	585	310	269	20	104	141
Morgan	0	1, 041	949	92	47	213	631	Size of business groups							
Peoria	69	6, 600	7, 702	1, 798	1, 876	2, 339	3, 598	General contractors	073	370, 148	366, 238	3, 910	129, 279	77, 573	95, 990
Rock Island	39	4, 217	3, 034	523	323	1, 219	1, 809	\$25,000 to \$49,999	170	6, 803	4, 090	104	1, 591	1, 720	2, 309
St. Clair	39	5, 070	3, 713	1, 357	724	1, 221	1, 780	\$50,000 to \$99,999	250	17, 260	17, 260	346	4, 121	4, 350	5, 552
Saline	3	147	147		29	37	80	\$100,000 to \$199,999	220	31, 609	31, 067	632	7, 524	7, 688	9, 786
Sangamon	33	3, 056	2, 206	790	459	831	1, 046	\$200,000 to \$499,999	173	54, 320	53, 477	843	13, 575	13, 239	15, 939
Stephenson	17	857	514	343	94	237	316	\$500,000 to \$999,999	89	57, 924	57, 074	251	14, 038	13, 971	17, 133
Tazewell	15	1, 274	1, 041	233	90	368	558	\$1,000,000 and over	74	201, 796	200, 059	1, 737	88, 430	36, 002	45, 215
Vermilion	18	2, 425	2, 052	373	341	597	1, 098	Building contractors	673	246, 450	245, 348	1, 111	114, 919	49, 008	51, 586
Whiteside	8	638	505	33	45	145	212	\$25,000 to \$49,999	142	5, 294	5, 243	51	1, 453	1, 342	1, 784
Will	33	6, 517	5, 389	1, 128	1, 032	1, 939	2, 112	\$50,000 to \$99,999	178	12, 334	12, 180	154	3, 822	2, 826	4, 009
Williamson	4	632	632			152	177	\$100,000 to \$199,999	148	21, 010	20, 723	296	6, 963	4, 809	6, 344
Winnebago	77	9, 054	7, 210	2, 744	1, 587	2, 708	3, 610	\$200,000 to \$499,999	105	32, 514	32, 192	322	11, 175	7, 765	9, 062
Woodford	5	238	238		2	75	96	\$500,000 to \$999,999	49	32, 680	32, 464	225	11, 878	8, 209	8, 443
Other counties	32	2, 650	2, 327	223	399	644	832	\$1,000,000 and over	61	142, 000	142, 546	63	79, 628	24, 057	21, 945
Principal cities:								Subcontractors	1, 524	218, 862	73, 052	144, 910	5, 208	73, 020	90, 290
Chicago	1, 485	460, 429	344, 140	125, 289	110, 099	119, 427	143, 441	\$25,000 to \$49,999	556	20, 035	6, 133	13, 902	279	9, 988	7, 599
Peoria	68	9, 465	7, 607	1, 708	1, 870	2, 315	3, 808	\$50,000 to \$99,999	425	29, 529	9, 980	19, 549	769	10, 336	11, 416
Classification of establishments								\$100,000 to \$199,999	294	40, 458	14, 010	26, 442	968	13, 570	15, 967
Operative builders	17	3, 716	3, 716		3, 199	219	354	\$200,000 to \$499,999	175	51, 789	18, 404	33, 385	1, 508	18, 340	20, 765
General contractors	666	366, 432	362, 522	3, 910	126, 080	77, 354	95, 636	\$500,000 to \$999,999	54	35, 896	7, 080	28, 807	839	12, 295	18, 405
Building	659	242, 742	241, 632	1, 111	111, 729	48, 789	51, 232	\$1,000,000 and over	21	41, 157	18, 332	22, 825	763	12, 383	21, 140
Building not specialized	482	188, 766	187, 660	1, 104	85, 029	38, 101	41, 222	CHICAGO	1, 485	469, 429	344, 140	125, 289	116, 699	119, 427	143, 441
Commercial building only	36	36, 765	36, 765		20, 187	7, 176	4, 693	Classification of establishments							
Manufacturing building only	9	3, 781	3, 781		629	934	1, 732	Operative builders	10	3, 178	3, 178		3, 046	90	151
Residential building only	129	13, 431	13, 426	5	5, 893	2, 614	3, 562	General contractors	441	282, 040	279, 130	2, 916	109, 104	56, 228	67, 097
Highway	64	17, 434	17, 098	336	1, 742	4, 140	5, 121	Building	321	195, 631	194, 787	745	97, 896	36, 563	35, 047
Bridge and culvert	28	10, 368	9, 968	400	1, 159	3, 080	4, 121	Building not specialized	234	147, 027	147, 022	745	73, 478	27, 227	27, 834
Grading	12	1, 178	1, 135	43	135	347	93	Commercial building only	29	35, 929	35, 929		10, 713	7, 064	4, 564
Street paving	101	37, 683	36, 985	748	4, 134	6, 987	13, 043	Manufacturing building only	6	3, 192	3, 192		556	800	1, 484
Sewer, gas, water, conduit	44	14, 762	14, 690	72	1, 604	4, 140	4, 614	Residential building only	52	8, 644	8, 644		4, 147	2, 075	
Dam, reservoir, and water works	9	1, 270	1, 198	72	11	280	430	Highway	9	3, 802	3, 700	162	307	965	1, 277
Dredging, river, harbor, etc	7	10, 453	9, 937	516	1, 637	2, 236	2, 003	Bridge and culvert	12	8, 443	8, 061	382	970	2, 551	3, 427
Levee	3	258	258			75	30	Grading	3	285	285		74	87	19
Railroad	10	6, 603	6, 040	563	359	1, 985	3, 029	Street paving	40	22, 781	22, 304	477	3, 228	3, 635	7, 403
Foundation	8	1, 019	1, 019		87	381	402	See footnotes at end of table.							
Central station, light and power plant	14	22, 662	22, 610	52	3, 522	4, 800	10, 982								
Subcontractors	1, 524	218, 862	73, 052	144, 910	5, 208	73, 020	90, 290								
Carpentering and wood flooring	58	4, 876	1, 476	3, 400	178	1, 585	2, 260								
Concreting	71	9, 192	1, 567	7, 625	807	3, 638	2, 750								

TABLE 1.—VALUE OF CONSTRUCTION BUSINESS DURING 1929, AND PRINCIPAL ITEMS OF EXPENDITURE—Con.

[Values expressed in thousands]

AREA, CLASSIFICATION OF ESTABLISHMENTS, AND SIZE OF BUSINESS GROUPS	Number of establishments	VALUE OF CONSTRUCTION BUSINESS			PRINCIPAL EXPENDITURES			AREA, CLASSIFICATION OF ESTABLISHMENTS, AND SIZE OF BUSINESS GROUPS	Number of establishments	VALUE OF CONSTRUCTION BUSINESS			PRINCIPAL EXPENDITURES		
		Total	Under general contract or directly for owner	Under sub-contract	Sub-contract work let	Wages paid	Cost of materials			Total	Under general contract or directly for owner	Under sub-contract	Sub-contract work let	Wages paid	Cost of materials
CHICAGO—Continued							CHICAGO—Continued								
<i>Classification of establishments—Continued</i>							<i>Size of business groups—Con.</i>								
General contractors—Contd.		Dolls.	Dolls.	Dolls.	Dolls.	Dolls.	Dolls.	General contractors—Contd.		Dolls.	Dolls.	Dolls.	Dolls.	Dolls.	Dolls.
Sewer, gas, water, conduit ³	23	10,777	10,756	21	1,062	3,072	3,349	Building contractors—Contd.		Dolls.	Dolls.	Dolls.	Dolls.	Dolls.	Dolls.
Dredging, river, harbor, etc. ⁷	7	10,397	9,880	517	1,637	2,180	2,010	\$500,000 to \$999,999	30	23,231	23,155	76	8,923	5,508	5,424
Railroad	9	6,559	5,996	563	359	1,971	3,003	\$1,000,000 and over	47	137,088	137,088	---	77,825	22,550	20,511
Foundation	5	853	853	---	45	320	326	Subcontractors	1,034	184,204	61,831	122,373	4,550	63,103	75,594
Central station, light and power plant	12	22,559	22,510	49	3,520	4,874	10,931	\$25,000 to \$49,999	304	11,138	2,678	8,460	172	3,042	4,114
Subcontractors	1,034	184,204	61,831	122,373	4,550	63,103	75,594	\$50,000 to \$99,999	277	19,599	6,942	12,657	650	7,064	7,221
Carpentering and wood flooring	52	4,636	1,281	3,355	151	1,492	2,181	\$100,000 to \$199,999	223	30,919	10,906	20,013	838	10,655	11,797
Concrete	61	8,631	1,516	7,115	302	3,405	2,528	\$200,000 to \$499,999	168	47,684	16,412	31,272	1,428	17,293	18,018
Electrical	120	23,846	10,086	13,760	120	8,397	9,364	\$500,000 to \$999,999	51	33,711	6,564	27,147	699	11,817	12,401
Elevator construction	5	9,379	2,633	6,746	20	1,882	6,793	\$1,000,000 and over	21	41,157	18,332	22,825	763	12,388	21,140
Heating and plumbing	297	54,281	19,952	34,329	1,889	15,462	27,561	PEORIA	68	9,465	7,667	1,798	1,876	2,315	3,598
Heating and piping ⁴	136	27,919	11,864	16,054	1,528	7,155	13,973	Classification of establishments							
Pipe covering	9	1,256	175	1,081	2	665	389	General contractors ⁵	35	7,025	6,968	58	1,872	1,507	2,619
Plumbing	139	20,179	5,282	14,897	300	6,238	10,401	Building	25	4,712	4,679	33	1,654	997	1,655
Plumbing and heating combined	8	850	551	299	41	243	426	Building not specialized ⁶	10	3,979	3,946	33	1,332	870	1,449
Automatic sprinkler systems	5	4,078	2,081	1,997	18	1,260	2,372	Residential building only	9	735	733	---	322	126	206
Masonry	61	16,209	6,839	9,370	809	5,833	6,878	Street paving and highway	7	1,842	1,816	26	170	303	824
Painting and decorating	92	12,297	5,033	7,264	23	6,895	2,190	Other classes ⁷	3	471	471	---	42	117	140
Glass and glazing	8	1,150	41	1,109	7	309	546	Subcontractors	33	2,440	699	1,741	4	808	979
Plastering and lathing	76	13,955	1,822	12,133	661	7,531	3,312	Electrical	3	114	10	104	---	30	48
Roofing and sheet-metal work	116	10,659	3,755	6,904	146	2,947	4,038	Heating and plumbing	13	816	480	336	---	200	388
Roofing	64	6,778	2,844	3,934	70	2,707	2,518	Heating and piping ¹⁰	5	267	68	199	---	67	136
Sheet-metal work	46	3,371	713	2,658	64	1,088	1,328	Plumbing	8	549	412	137	---	138	249
Roofing and sheet metal combined	6	510	198	312	12	152	192	Painting and decorating	3	117	86	31	---	62	20
Steel erection	18	5,292	1,278	3,984	78	2,874	595	Roofing and sheet-metal work	6	337	116	222	---	85	147
Stonework	18	1,801	173	1,623	28	642	607	Marble and tiling	3	472	7	465	---	2	184
Marble and tiling	60	7,510	1,119	6,391	33	2,874	3,230	Other classes ¹¹	5	585	---	585	---	2	292
Wrecking	8	703	---	703	---	300	---	Size of business groups							
Excavating and grading	13	1,068	---	1,068	61	417	1	General contractors ⁵	35	7,025	6,968	58	1,872	1,507	2,619
Ornamental iron	4	1,824	59	1,765	87	304	964	\$25,000 to \$49,999	11	434	421	13	158	64	131
Foundation	3	988	---	988	6	238	235	\$50,000 to \$99,999	13	856	836	20	229	210	293
Metal work, n. e. s.	11	6,496	4,781	1,715	93	1,411	3,894	\$100,000 to \$199,999	4	531	531	---	63	183	143
Rental of equipment, trucking, etc.	4	602	29	573	10	251	42	\$200,000 to \$499,999	3	738	738	---	173	126	307
Flooring, n. e. s.	3	1,303	1,135	170	---	360	521	\$500,000 to \$999,999	2	1,801	1,801	---	596	361	760
Other classes ⁸	5	1,607	300	1,308	29	579	481	\$1,000,000 and over	2	2,665	2,639	26	653	562	985
Size of business groups								Building contractors ⁶	25	4,712	4,679	33	1,654	997	1,655
General contractors ⁵	451	285,224	282,308	2,916	112,149	56,324	67,848	\$25,000 to \$49,999	8	300	287	13	135	46	91
\$25,000 to \$49,999	44	2,072	2,034	38	542	504	608	\$50,000 to \$99,999	11	743	723	20	229	182	241
\$50,000 to \$99,999	70	5,384	5,271	113	1,593	1,204	1,456	\$100,000 to \$199,999	1	111	111	---	63	15	24
\$100,000 to \$199,999	104	15,557	15,059	498	4,581	3,510	4,399	\$200,000 to \$499,999	2	469	469	---	143	106	171
\$200,000 to \$499,999	102	32,435	31,918	517	8,995	8,095	8,878	\$500,000 to \$999,999	2	1,801	1,801	---	596	361	760
\$500,000 to \$999,999	58	38,481	38,379	102	10,201	8,847	10,771	\$1,000,000 and over	1	1,283	1,288	---	488	286	366
\$1,000,000 and over	67	191,297	189,649	1,648	86,237	34,103	41,787	Subcontractors	33	2,440	699	1,741	4	808	979
Building contractors ⁶	331	198,709	197,965	745	100,941	36,659	36,098	\$25,000 to \$49,999	18	667	294	373	2	107	282
\$25,000 to \$49,999	38	1,458	1,457	1	409	372	407	\$50,000 to \$99,999	8	500	213	287	---	174	177
\$50,000 to \$99,999	61	4,270	4,181	95	1,542	901	1,133	\$100,000 to \$199,999	5	746	192	554	2	190	339
\$100,000 to \$199,999	84	12,228	11,937	291	4,411	2,625	3,415	\$200,000 to \$499,999	2	529	---	529	---	243	182
\$200,000 to \$499,999	65	20,429	20,147	282	7,771	4,704	5,209	\$500,000 to \$999,999	---	---	---	---	---	---	---
\$1,000,000 and over	---	---	---	---	---	---	---	\$1,000,000 and over	---	---	---	---	---	---	---

¹ Includes Alexander, Boone, Carroll, Christian, Clark, Franklin, Jackson, Jersey, Johnson, Lawrence, Macoupin, Marshall, Monroe, Montgomery, Moultrie, Platt, Pike, Randolph, Richland, Schuyler, Scott, Wabash, Warren, Wayne, for which data can not be shown without revealing individual operations. From areas other than those listed, no reports were received from establishments, which handled as much as \$25,000 business during 1929.

² Figures are included in respective county totals.

³ Includes refuse disposal plant.

⁴ Includes automatic temperature control.

⁵ Includes bridge and culvert; sewer, gas, water, conduit; dredging, river, harbor, etc.; and soundproofing.

⁶ Includes operative builders.

⁷ Includes levees.

⁸ Includes sewer, gas, water, conduit; street paving; and sound proofing.

⁹ Includes grading; sewer, gas, water, conduit; and dredging, river, harbor, etc.

¹⁰ Includes plumbing and heating combined.

¹¹ Includes plastering and lathing; masonry; and street paving.

TABLE 2.—CONSTRUCTION BUSINESS OF REPORTING ESTABLISHMENTS DURING 1929, BY CLASS OF OWNERSHIP AND BY TYPE OF WORK

CLASS OF OWNERSHIP AND TYPE OF CONSTRUCTION WORK	CONSTRUCTION BUSINESS REPORTED BY					CLASS OF OWNERSHIP AND TYPE OF CONSTRUCTION WORK	CONSTRUCTION BUSINESS REPORTED BY						
	All classes of establishments		General contractors ¹		Subcontractors		All classes of establishments		General contractors ¹		Subcontractors		
	Number reporting	Value	Number reporting	Value	Number reporting		Number reporting	Value	Number reporting	Value	Number reporting	Value	
ILLINOIS						ILLINOIS—Continued							
All construction business.....	2,407	589,010,670	973	370,148,179	1,524	218,862,491	All business under subcontract—Continued.						
Distribution not reported.....	104	22,144,317	23	3,258,084	141	18,886,233	Distributed by class—Contd.						
Distributed by class of ownership.....							Dollars		Dollars		Dollars		
Private.....	2,333	508,866,353	950	306,890,095	1,383	199,970,258	Heating and plumbing.....	40,365,134	123,527	40,231,607			
Quasi-public or community.....	2,120	417,943,585	784	246,399,026	1,345	171,543,060	Heating and piping.....	17,044,852	(?)	(?)	202	(?)	
Public.....	433	33,578,549	144	22,480,732	289	11,091,817	Pipe covering.....	1,170,703		25	1,170,703		
Distribution not reported.....	693	115,344,210	377	98,003,738	316	17,340,481	Plumbing.....	16,820,442	(?)	210	16,820,442		
	67	6,698,763	32	4,781,583	35	1,917,180	Plumbing and heating combined.....	2,225,453		30	2,225,453		
Distributed by class of public ownership.....							Automatic temperature control.....			1			
Federal.....	626	108,045,450	345	93,222,155	281	15,423,301	Automatic sprinkler system.....			5	2,178,684		
State.....	188	10,042,514	111	17,079,089	77	1,963,426	Masonry.....	9,846,004	25	337,823	82	11,486,976	
County or township.....	212	13,914,884	107	11,159,589	105	2,755,295	Stonework.....	1,978,795	1		26	8,924,873	
Municipal.....	400	67,277,898	230	57,887,034	179	0,390,864	Painting and decorating.....	8,948,283	3	23,410	100	1,417,049	
							Glass and glazing.....	1,417,949		17	1,417,949		
All business under general contract or directly for owners.....	1,509	440,190,110	962	306,238,040	637	73,952,070	Plastering and lathing.....	14,851,352	3	81,382	122	14,700,970	
Distribution not reported.....	13	1,726,096	3	269,094	10	1,457,902	Roofing and sheet-metal work.....	9,558,721				(?)	
Distributed by class.....							Roofing.....	5,082,800		87	5,082,800		
Building.....	1,586	438,463,114	959	365,968,940	627	72,494,108	Sheet-metal work.....	3,427,699	1	(?)	92	(?)	
Distribution not reported.....	134	308,018,924	715	246,356,322	509	61,657,602	Roofing and sheet-metal combined.....	1,048,102		14	1,048,102		
	108	16,559,916	47	9,708,174	61	6,851,742	Steel erection.....	5,122,680	7	391,202	26	4,731,388	
Distributed by class.....							Marble and tiling.....	7,936,909		63	7,936,909		
Commercial.....	1,206	291,454,008	668	236,648,148	538	54,805,860	Wrecking.....	683,038		10	683,038		
Educational.....	280	21,664,304	128	16,321,900	152	5,332,455	Excavating.....	2,800,740	10	373,443	44	1,907,297	
Hotel.....	113	9,027,693	41	7,884,328	72	1,143,365	Ornamental iron.....	1,042,349		8	1,042,349		
Hospital and institutional.....	163	12,862,750	64	10,591,912	99	2,270,847	Highway.....	665,873	1		1		
Manufacturing.....	310	31,056,594	165	23,844,020	151	7,812,565	Bridge and culvert.....	430,740	2		5	404,518	
Military and naval.....	20	963,730	12	883,003	8	80,736	Grading.....	1,767,490	4	308,841	7	1,453,049	
Public: Courts, jails, etc.....	70	5,238,990	36	4,958,434	40	280,556	Street paving.....	165,820	4	58,827	3	100,993	
Religious and memorial.....	204	8,943,018	93	8,166,191	111	777,427	Sewer, gas, water, conduit.....	987,507		3	987,507		
Residential.....	864	62,882,702	455	42,963,828	409	19,918,874	Foundation.....	1,650,997	1	(?)	7	(?)	
Social and recreational.....	141	8,884,361	72	7,650,041	69	1,184,320	Metal work, n. e. s.....	544,937	4	50,984	5	495,003	
Air transport.....	24	453,047	12	341,503	12	111,544	Rental of equipment, trucking, etc.....	338,414		6	338,414		
Rail and water transportation.....	36	3,672,005	20	3,087,936	16	584,069	Flooring, n. e. s.....			1	(?)		
Miscellaneous.....	197	6,561,478	110	3,564,579	87	2,996,890	Dam and reservoir.....			2	(?)		
Highway and street.....	207	54,359,469	201	54,132,880	6	226,589	Dredging, river, harbor, etc.....			1	(?)		
Railroad and car line.....	29	6,778,170	22	6,539,457	7	238,713	Central station, light and power plant.....	97,434	1	(?)	1	(?)	
Public works and utilities.....	226	62,780,844	185	56,217,250	41	6,563,594	Miscellaneous, n. e. s.....			1	(?)		
Distribution not reported.....	4	8,088,150	3	8,082,441	1	5,709							
Distributed by class.....							CHICAGO						
Bridge, tunnel, etc.....	222	54,602,694	182	48,134,800	40	6,557,885	All construction business.....	1,486	409,428,532	451	285,224,120	1,034	184,204,462
Central station, light and power plant.....	69	9,877,220	62	9,740,125	7	137,095	Distribution not reported.....	94	15,588,220	3	381,281	61	15,201,939
Dock, pier, retaining wall, etc.....	52	18,860,117	35	14,504,079	17	4,365,038	Distributed by class of ownership.....						
Flood control, irrigation, and land drainage.....	18	1,141,629	18	1,141,629			Private.....	1,391	453,845,362	448	284,842,839	943	169,002,523
Refuse disposal plant.....	8	1,563,516	4	1,536,578	4	26,938	Quasi public or community.....	318	354,065,874	397	209,068,458	918	145,597,416
Park, grounds, etc.....	23	410,184	17	400,133	6	10,051	Public.....	245	25,865,233	61	16,828,778	184	9,036,455
River and harbor improvement.....	7	3,908,876	7	3,908,876			Distribution not reported.....	318	78,142,255	129	58,945,603	189	14,368,652
Sewage disposal and drainage.....	70	10,088,845	62	9,453,247	8	635,598	Distributed by class of public ownership.....	30	4,464,526	13	2,912,878	17	1,551,648
Water supply.....	44	3,454,337	34	2,232,669	10	1,383,165	Federal.....	288	68,849,729	116	56,032,725	172	12,817,004
Miscellaneous.....	11	161,497	4	28,558			State.....	43	7,293,714	14	6,010,076	29	1,233,638
Air transport work.....	2	28,558					County or township.....	71	7,900,449	20	6,938,745	45	1,000,704
Water power development.....	4	6,502,149					Municipal.....	78	7,777,746	29	6,037,416	49	1,740,330
Miscellaneous, n. e. s.....	28						All business under general contract or directly for owners.....	206	45,778,820	89	37,046,488	117	8,732,332
							Distribution not reported.....	805	344,139,808	444	282,308,454	421	61,831,444
All business under subcontract.....	1,331	148,820,560	99	3,910,139	1,232	144,910,421	Distributed by class.....	7	867,309	1	72,052	6	785,257
Distribution not reported.....	17	2,431,885	1	4,585	16	2,427,300	Building.....	858	348,282,589	448	282,236,402	415	61,046,187
Distributed by class.....							Building.....	752	251,780,630	357	201,290,365	305	50,490,265
Carpentering and wood flooring.....	75	3,844,330	17	311,256	58	3,533,074	Distribution not reported.....	63	12,898,119	22	7,192,243	41	5,705,876
Soundproofing.....	121	9,016,179	35	1,198,364	86	7,817,815	Distributed by class.....						
Concreting.....	137	15,625,225	1	(?)	186	(?)	Commercial.....	689	238,882,511	335	194,068,122	354	44,784,389
Elevator construction.....	3	6,746,665			3	6,746,665	Educational.....	374	107,596,639	180	95,111,122	194	11,485,517
							Hotel.....	139	15,645,215	48	11,590,240	91	4,054,975

See footnotes at end of table.

TABLE 2.—CONSTRUCTION BUSINESS OF REPORTING ESTABLISHMENTS DURING 1929, BY CLASS OF OWNERSHIP AND BY TYPE OF WORK—Continued

CLASS OF OWNERSHIP AND TYPE OF CONSTRUCTION WORK	CONSTRUCTION BUSINESS REPORTED BY						CLASS OF OWNERSHIP AND TYPE OF CONSTRUCTION WORK	CONSTRUCTION BUSINESS REPORTED BY					
	All classes of establishments		General contractors ¹		Subcontractors			All classes of establishments		General contractors ¹		Subcontractors	
	Number reporting	Value	Number reporting	Value	Number reporting	Value		Number reporting	Value	Number reporting	Value	Number reporting	Value
CHICAGO—Continued						CHICAGO—Continued							
All business under general contract or directly for owners—Continued.						All business under subcontract—Continued.							
Distributed by class—Contd.						Distributed by class—Contd.							
Building—Continued						Building—Continued							
Distributed by class—Continued						Distributed by class—Continued							
Hospital and institutional	07	10,606,128	36	8,723,052	61	1,882,176	Grading	3	216,630	1	325,073	2	1,400,353
Manufacturing	211	25,083,625	94	18,283,643	117	6,780,082	Street paving	5	1,508,706	3	(?)	2	(?)
Military and naval	0	711,673	2	4,932,838	7	291,998	Sewer, gas, water, conduit	4	101,753	2	(?)	2	(?)
Public Courts, jails, etc.	22	4,513,163	12	6,747,400	20	615,844	Bridge and culvert	1	—	1	—	—	—
Religious and memorial	124	7,363,253	53	30,031,327	71	14,575,003	Dredging, river, harbor, etc.	1	—	1	535,083	—	—
Residential	444	44,606,330	196	5,404,637	248	1,056,027	Central station, light and power plant	1	—	1	—	—	—
Social and recreational	83	6,400,694	35	182,693	9	105,163	Metal work, n. e. s.	1	1,043,277	1	—	7	1,043,277
Air transport	15	287,856	6	—	—	—	Rental of equipment, trucking, etc.	4	422,884	—	—	4	422,884
Rail and water transportation	27	3,531,060	13	2,978,646	14	553,323	Flooring, n. e. s.	3	268,879	—	—	3	268,879
Miscellaneous	110	4,785,672	51	2,423,156	59	2,362,510	Foundation	3	987,567	—	—	3	987,567
Highway and street	64	20,684,270	60	20,483,490	4	200,789	PEORIA						
Water power development	20	6,020,732	12	6,300,400	8	230,332	All construction business	68	9,465,095	35	7,025,349	33	2,439,746
Railroad and car line	20	—	75	46,321,209	28	6,473,971	Distribution not reported	3	522,828	—	—	3	522,828
Public works and utilities	103	52,705,180	2	8,043,801	1	5,709	Distributed by class of ownership						
Distribution not reported	3	8,049,510	—	—	—	—	Private	65	8,942,267	35	7,025,349	30	1,916,918
Distributed by class	100	44,745,670	73	38,277,408	27	6,468,262	Quasi public or community	55	5,022,887	20	3,539,220	20	1,483,061
Bridge, tunnel, etc.	26	7,534,370	23	7,427,879	3	106,500	Public	13	2,615,774	13	2,530,072	0	85,702
Central station, light and power plant	38	18,540,022	23	14,184,660	15	4,355,462	Distribution not reported	3	172,193	1	145,993	2	26,200
Dock, pier, retaining wall, etc.	7	5,058,924	7	5,058,924	—	—	Distributed by class of public ownership						
Flood control, irrigation, and land drainage	4	148,479	4	148,479	—	—	Federal	19	2,443,581	12	2,384,079	7	59,502
Park, grounds, etc.	10	314,282	7	307,298	3	6,984	State	6	1,655,269	3	1,017,901	1	37,278
River and harbor improvement	6	3,814,737	6	3,814,737	—	—	County or township	5	117,348	3	704,088	2	22,224
Sewage disposal and drainage	26	6,766,788	21	6,166,870	5	599,900	Municipal	13	670,964	8	—	5	—
Water supply	15	2,405,226	10	1,081,860	5	1,323,866	All business under general contract or directly for owners						
Refuse disposal plant	4	148,101	4	87,202	3	75,541	Building	51	7,600,332	35	6,967,657	16	699,175
Miscellaneous	2	114,642	2	1,750,938	10	3,641,830	Distribution not reported	41	5,373,833	25	4,674,653	16	899,175
Air transport work	19	—	9	—	—	—	Commercial	2	109,408	1	00,238	1	40,170
Miscellaneous	12	2,240,442	2	10,830	10	2,223,608	Educational	30	5,207,425	24	4,614,420	16	653,005
Distributed by class	878	123,048,242	48	2,868,830	830	120,149,412	Hotel	17	975,077	9	911,770	8	63,307
Carpentering and wood flooring	64	3,730,760	12	248,557	52	3,482,212	Hospital and institutional	4	325,809	1	(?)	3	(?)
Soundproofing	85	8,194,404	10	927,084	60	7,267,320	Manufacturing	4	101,024	1	305,239	3	6,467
Concreting	92	13,752,635	—	—	92	13,752,635	Religious and memorial	8	210,682	2	176,229	3	166,925
Electrical	3	6,746,666	—	—	3	6,746,666	Public Courts, jails, etc.	0	292,414	2	(?)	4	(?)
Elevator construction	3	33,306,942	—	—	3	33,306,942	Religious and memorial	6	251,501	3	241,974	3	9,527
Heating and plumbing	117	16,904,973	—	—	117	16,904,973	Residential	32	1,289,034	10	990,710	13	298,324
Automatic temperature control	1	1,109,554	—	—	1	1,109,554	Social and recreational	7	243,951	4	217,793	3	20,158
Pipe covering	10	13,694,770	—	—	10	13,694,770	Miscellaneous	5	174,770	3	(?)	2	(?)
Plumbing	120	537,285	—	—	120	537,285	Highway and street	8	1,791,955	1	1,791,955	—	—
Plumbing and heating combined	5	2,000,360	—	—	5	2,000,360	Railroad and car line	1	501,044	5	501,044	—	—
Automatic sprinkler systems	3	8,258,975	12	213,730	31	9,006,506	Public works and utilities ³	1	—	—	—	—	
Masonry	21	7,267,460	1	(?)	65	(?)	All business under subcontract						
Stonework	05	1,108,847	—	—	11	1,108,847	Carpentering and wood flooring	32	1,798,263	4	57,692	28	1,740,571
Painting and decorating	11	12,313,355	1	(?)	80	(?)	Soundproofing	1	—	1	(?)	1	(?)
Glass and glazing	81	0,830,563	—	—	81	0,830,563	Flooring, n. e. s.	1	4,172	—	—	1	(?)
Plastering and lathing	58	3,974,304	—	—	58	3,974,304	Concreting	5	24,554	3	38,653	2	33,449
Roofing and sheet-metal work	57	2,543,336	—	—	57	2,543,336	Masonry	5	103,300	4	29,758	1	103,366
Roofing and sheet metal combined	5	312,923	—	—	5	312,923	Electrical	3	303,397	—	—	3	303,397
Steel erection	25	4,333,162	4	380,680	21	3,952,582	Heating and plumbing	7	166,943	—	—	7	166,943
Marble and tiling	15	6,380,027	—	—	15	6,380,027	Heating and piping	1	—	—	—	1	—
Wrecking	10	633,033	—	—	10	633,033	Plumbing and heating combined	1	—	—	—	1	—
Excavating	25	1,250,792	3	164,379	22	1,086,413	Plumbing	7	—	—	—	7	—
Ornamental iron	4	1,533,749	—	—	4	1,533,749	Automatic sprinkler systems	1	130,454	—	—	1	130,454
							Painting and decorating	2	496,102	—	—	2	496,102
							Marble and tiling	3	368,857	—	—	3	368,857
							Plastering and lathing	3	250,814	—	—	3	250,814
							Roofing and sheet-metal work	4	118,120	—	—	4	118,120
							Roofing	3	—	—	—	3	—
							Sheet-metal work	4	—	—	—	4	—
							Roofing and sheet-metal combined	2	132,694	—	—	2	132,694
							Excavating	2	—	—	—	2	(?)
							Highway	1	208,348	—	—	1	(?)
							Street paving	1	—	—	—	1	(?)

¹ Includes operative builders.

² Value omitted in order to avoid disclosing individual operations. The amounts omitted are, however, included in the respective totals.

³ Includes establishments reporting the following types of general contract work: Bridge, tunnel, etc., 1; park, grounds, etc., 1; river and harbor improvement, 1; sewage disposal and drainage, 1; and sewage disposal and drainage and water supply, 1.

CONSTRUCTION—ILLINOIS

TABLE 3.—CONSTRUCTION BUSINESS DURING 1929, BY LOCATION

CLASSIFICATION OF ESTABLISHMENTS	Establishments reporting	Total			CHICAGO—Continued.					
		Dollars	In home city	In home State	Outside home State	Establishments reporting	Total	In home city	In home State	Outside home State
ILLINOIS	2,445	569,200,547	384,985,895	478,767,150	90,433,897					
Operative builders	17	3,716,285	3,716,285	3,716,285						
General contractors	938	358,017,015	223,460,320	290,668,567	68,249,348					
Building	642	236,071,200	172,475,323	200,000,510	34,070,603					
Building not specialized	470	183,938,594	125,477,849	152,874,325	31,064,260					
Commercial building only	36	30,765,021	33,600,555	33,877,091	2,887,330					
Manufacturing building only	8	2,366,342	2,121,160	2,352,342	14,000					
Residential building only	128	13,001,252	11,275,753	12,896,158	105,094					
Highway	64	17,433,012	2,354,095	15,601,038	1,832,874					
Bridge and culvert	27	10,457,939	1,799,626	4,677,181	5,200,758					
Grading	12	1,178,081	226,757	1,016,402	161,679					
Street paving	98	36,939,631	24,291,070	35,294,613	1,645,018					
Sewer, gas, water, conduit	44	14,761,622	8,792,549	13,355,872	1,405,750					
Dam, reservoir, and water-works	9	1,269,965	126,642	1,198,937	71,028					
Dredging, river, harbor, etc.	7	10,453,451	5,000,543	6,811,004	3,642,447					
Levee	3	257,690	159,251	257,690						
Railroad	10	6,003,062	1,724,009	2,333,740	4,269,316					
Foundation	8	1,019,193	984,762	1,019,193						
Central station, light and power plant	14	22,002,251	4,574,042	6,802,466	15,850,785					
Subcontractors	1,400	200,566,347	157,800,281	184,382,298	22,184,049					
Carpentering and wood flooring	58	4,876,037	4,446,700	4,805,982	70,055					
Concreting	70	8,874,045	6,431,198	7,613,221	1,260,824					
Electrical	178	26,413,014	20,610,047	23,484,877	2,928,137					
Elevator construction	6	9,007,854	7,285,451	7,800,348	1,717,506					
Heating and plumbing	473	63,893,792	53,052,329	59,804,260	4,089,532					
Heating and piping	170	30,191,207	25,585,636	28,875,448	1,815,849					
Pipe covering	8	1,014,215	980,481	997,771	16,444					
Plumbing	220	23,305,470	21,878,120	23,270,969	124,471					
Plumbing and heating combined	02	4,937,608	4,245,591	4,878,008	59,500					
Automatic sprinkler systems	7	4,355,304	867,001	1,782,034	2,573,268					
Masonry	02	16,080,441	10,966,380	12,684,286	3,396,155					
Painting and decorating	131	12,125,978	10,059,979	11,753,287	372,690					
Glass and glazing	14	1,637,229	1,363,154	1,601,392	35,837					
Plastering and lathing	115	16,182,311	14,260,797	15,860,770	321,541					
Roofing and sheet-metal work	167	13,846,485	10,141,770	12,676,497	1,166,018					
Roofing	93	8,030,763	5,823,540	7,502,880	1,133,883					
Sheet-metal work	61	4,060,815	3,576,169	4,045,480	15,335					
Roofing and sheet metal combined	13	1,147,907	742,061	1,131,107	16,800					
Steel erection	21	5,768,342	3,882,334	4,919,307	848,075					
Stonework	22	2,302,462	2,023,039	2,266,888	35,574					
Marble and tiling	07	8,782,425	6,411,363	8,318,678	403,747					
Wrecking	7	527,523	313,513	348,044	179,479					
Excavating	24	1,799,459	1,325,308	1,750,008	49,551					
Ornamental iron	5	1,900,283	1,213,192	1,680,083	220,200					
Grading	5	453,792	190,771	453,792						
Street paving and highway	0	1,586,075	913,009	1,566,075						
Foundation	3	987,597	134,581	474,593	513,004					
Metal work, n. e. s.	11	0,495,722	1,567,848	2,726,633	3,709,089					
Rental of equipment, trucking, etc.	4	602,172	598,572	598,572	3,600					
Flooring, n. e. s.	4	1,359,337	445,978	655,698	702,639					
Other classes	7	585,007	153,308	544,107	40,900					
CHICAGO	1,451	453,076,509	319,879,686	369,034,978	84,591,531					
Operative builders	10	3,177,822	3,177,822	3,177,822						
General contractors	434	277,300,895	182,517,643	213,944,308	33,355,587					
Building	315	190,926,344	142,977,808	168,819,780	32,106,564					
Building not specialized	230	145,006,051	100,720,573	115,403,911	29,512,140					
General contractors—Contd.										
Building—Continued.										
Commercial building only	29	35,920,202	33,346,348	33,453,872	2,475,330					
Manufacturing building only	5	1,777,349	1,532,173	1,763,349	14,000					
Residential building only	51	8,213,742	7,378,719	8,108,648	105,094					
Highway	9	3,861,692	817,505	3,861,692						
Bridge and culvert	12	8,443,392	1,761,086	3,529,367	4,914,025					
Grading	3	285,410		123,740	161,679					
Street paving	39	22,640,324	17,847,982	21,857,065	1,282,859					
Sewer, gas, water, conduit	23	10,770,985	5,965,631	9,637,354	1,139,631					
Dredging, river, harbor, etc.	7	10,396,982	6,058,013	6,754,536	3,642,447					
Railroad	9	6,568,697	1,722,398	2,289,841	4,209,316					
Foundation	5	862,564	849,015	862,564						
Central station, light and power plant	12	22,558,536	4,517,005	6,717,970	15,840,566					
Subcontractors	1,007	173,107,792	134,184,221	151,062,848	21,234,944					
Carpentering and wood flooring	52	4,635,651	4,262,828	4,565,596	70,055					
Concreting	60	8,323,202	6,124,120	7,083,878	1,260,824					
Electrical	127	23,318,137	17,908,025	20,390,000	2,928,137					
Elevator construction	6	9,378,876	7,282,557	7,741,987	1,036,889					
Heating and plumbing	289	60,587,192	42,414,352	46,570,304	4,007,888					
Heating and piping	133	26,576,306	22,860,402	25,282,521	1,293,785					
Pipe covering	8	1,014,215	980,481	997,771	16,444					
Plumbing	185	18,009,421	17,105,589	17,030,930	129,491					
Plumbing and heating combined	8	849,742	849,742	849,742						
Automatic sprinkler systems	5	4,077,508	628,138	1,500,340	2,568,168					
Masonry	59	13,890,797	9,509,007	10,494,642	3,396,155					
Painting and decorating	86	9,980,497	8,280,521	9,695,811	290,686					
Glass and glazing	8	1,149,727	1,133,734	1,149,727						
Plastering and lathing	75	13,624,463	12,004,851	13,363,512	260,951					
Roofing and sheet-metal work	114	10,317,239	7,998,392	9,274,097	1,043,142					
Roofing	63	6,544,163	4,591,973	5,515,356	1,028,807					
Sheet-metal work	45	3,262,702	2,948,317	3,248,457	14,335					
Roofing and sheet metal combined	6	510,284	453,102	510,284						
Steel erection	17	4,750,320	3,091,334	3,931,300	819,023					
Stonework	17	1,091,582	1,590,728	1,662,470	20,266					
Marble and tiling	48	7,128,691	5,957,291	7,043,000	85,591					
Wrecking	7	527,523	313,513	348,044	179,479					
Excavating and grading	13	1,008,040	1,012,038	1,051,040	17,000					
Ornamental iron	4	1,824,200	1,137,109	1,604,000	220,200					
Foundation	3	987,597	134,581	474,593	513,004					
Metal work, n. e. s.	11	0,495,722	1,567,848	2,726,633	3,709,089					
Rental of equipment, trucking, etc.	4	602,172	598,572	598,572	3,600					
Flooring, n. e. s.	3	1,302,925	445,500	648,200	654,725					
Other classes	5	1,007,354	754,160	1,566,454	40,900					
PEORIA	66	9,049,113	5,227,228	7,915,599	1,133,514					
General contractors	34	6,879,356	3,478,330	5,912,606	966,760					
Building	25	4,712,242	2,980,808	4,377,602	394,740					
Building not specialized	10	3,978,808	2,262,994	3,644,128	394,740					
Residential building only	9	733,374	733,374	733,374						
Street paving and highway	0	1,006,129	223,283	1,004,119	652,010					
Other classes	3	470,991	268,679	470,991						
Subcontractors	32	2,169,757	1,748,898	2,002,993	160,704					
Electrical	3	113,530	113,530	113,530						
Heating and plumbing	13	815,690	798,116	815,690						
Heating and piping	5	260,914	260,914	260,914						
Plumbing	8	548,785	531,441							

CONSTRUCTION—ILLINOIS

TABLE 4.—CONSTRUCTION BUSINESS OUTSIDE HOME STATE, BY LOCATION

STATE OR COUNTRY	LOCATION REPORTED BY—			STATE OR COUNTRY	LOCATION REPORTED BY—		
	All classes of establishments	General contractors	Subcontractors		All classes of establishments	General contractors	Subcontractors
ILLINOIS				CHICAGO—Continued			
Total distributed by State or country ¹	890,433,397	\$68,249,348	\$22,184,049	Total distributed by State or country—Continued.....			
Alabama.....	134,028	2,450	131,570	Arkansas.....	\$870,091	\$801,850	\$68,241
Arizona.....	4,605		4,605	California.....	45,259		45,259
Arkansas.....	1,016,223	1,547,982	68,241	Colorado.....	867,555	830,648	27,907
California.....	45,259		45,259	Connecticut.....	112,454	23,020	88,834
Colorado.....	867,555	830,648	27,907	Delaware.....	4,797		4,797
Connecticut.....	112,454	23,020	88,834	District of Columbia.....	69,195	52,500	16,695
Delaware.....	4,797		4,797	Florida.....	55,208		55,208
District of Columbia.....	69,195	52,500	16,695	Georgia.....	604,809	390,100	214,703
Florida.....	55,208		55,208	Idaho.....	15,561		15,561
Georgia.....	604,809	390,100	214,703	Indiana.....	11,026,276	7,099,071	4,526,605
Idaho.....	15,561		15,561	Iowa.....	2,247,377	2,011,026	236,351
Indiana.....	13,076,873	8,434,659	4,642,214	Kansas.....	562,965	325,012	237,953
Iowa.....	2,247,374	2,500,411	341,563	Kentucky.....	2,900,089	2,594,538	314,551
Kansas.....	562,965	330,156	254,020	Louisiana.....	668,302	573,030	95,272
Kentucky.....	2,988,406	2,669,788	318,618	Maine.....	78,565	20,585	57,980
Louisiana.....	668,302	573,030	113,669	Maryland.....	101,234	49,445	51,789
Maine.....	78,565	20,585	57,980	Massachusetts.....	339,179	719,533	119,046
Maryland.....	101,234	49,445	51,789	Michigan.....	4,830,499	2,372,944	2,457,525
Massachusetts.....	842,419	719,533	122,886	Minnesota.....	4,389,412	3,420,315	969,097
Michigan.....	4,947,518	2,471,993	2,475,525	Mississippi.....	611,445	505,401	106,044
Minnesota.....	4,390,412	3,429,315	970,007	Missouri.....	10,200,499	9,078,953	1,127,546
Mississippi.....	660,485	552,400	108,085	Montana.....	88,343	28,000	60,337
Missouri.....	11,680,093	10,382,078	1,198,015	Nebraska.....	500,950	450,477	50,473
Montana.....	88,343	28,000	60,337	Nevada.....	9,776		9,776
Nebraska.....	500,950	450,477	58,537	New Hampshire.....	22,098		22,098
Nevada.....	9,776		9,776	New Jersey.....	2,652,744	2,008,641	644,103
New Hampshire.....	22,098		22,098	New York.....	4,952,658	3,574,741	1,377,917
New Jersey.....	2,652,744	2,008,641	644,103	North Carolina.....	644,103	8,895	62,733
New York.....	4,952,658	3,574,741	1,377,917	North Dakota.....	109,332	143,701	55,631
North Carolina.....	71,628	8,895	62,733	Ohio.....	8,204,674	6,496,128	1,624,998
North Dakota.....	199,332	143,701	55,631	Oklahoma.....	1,437,761	1,393,960	43,792
Ohio.....	8,204,674	6,496,128	1,708,546	Oregon.....	66,362		66,362
Oklahoma.....	1,456,676	1,393,960	62,716	Pennsylvania.....	3,697,335	3,071,538	621,688
Oregon.....	66,362		66,362	Rhode Island.....	136,110	135,210	900
Pennsylvania.....	3,697,335	3,071,538	625,797	South Dakota.....	167,736	101,169	66,567
Rhode Island.....	136,110	135,210	900	Tennessee.....	1,750,645	1,631,071	119,574
South Dakota.....	167,736	101,169	66,567	Texas.....	2,224,345	2,031,270	193,075
Tennessee.....	1,750,645	1,631,071	119,574	Utah.....	6,489		6,489
Texas.....	2,224,345	2,031,270	193,075	Vermont.....	151		151
Utah.....	6,489		6,489	Virginia.....	248,700	178,029	70,671
Vermont.....	151		151	Washington.....	1,014,073	1,821,603	62,470
Virginia.....	248,700	178,029	70,671	West Virginia.....	622,346	409,446	112,900
Washington.....	1,014,073	1,821,603	92,470	Wisconsin.....	3,615,472	2,296,363	1,319,109
West Virginia.....	622,346	409,446	112,900	Wyoming.....	49,587		49,587
Wisconsin.....	3,615,472	2,296,363	1,319,109	Other States, n. s.....	10,852,418	6,921,149	3,931,269
Wyoming.....	49,587		49,587	Canada.....	218,412	70,103	148,309
Other States, n. s.....	10,852,418	6,921,149	3,931,269	Chile.....	26,510	26,510	
Canada.....	218,412	70,103	148,309	Russia, U. S. S. R.....	455,220	455,220	
Chile.....	26,510	26,510		Japan.....	410	410	
Russia, U. S. S. R.....	455,220	455,220		Foreign, n. s.....	637		637
Japan.....	410	410					
Foreign, n. s.....	637		637				
CHICAGO				PEORIA			
Total distributed by State or country ²	84,591,531	63,356,587	21,234,944	Total distributed by State ³	1,133,514	968,750	166,764
Alabama.....	134,028	2,450	131,570	Arkansas.....	585,011	585,011	
Arizona.....	4,605		4,605	Iowa.....	334,740	334,740	
				Mississippi.....	40,999	46,999	
				Ohio.....	10,501		10,501
				Other States, n. s.....	156,263		156,263

Number of establishments reporting:

¹ All classes, 296; general contractors, 127; subcontractors, 169.² All classes, 212; general contractors, 50; subcontractors, 132.³ All classes, 3.

CONSTRUCTION—ILLINOIS

TABLE 5.—NUMBER AND SALARIES OF PROPRIETORS, FIRM MEMBERS, AND SALARIED EMPLOYEES: 1929

CLASSIFICATION OF ESTABLISHMENTS	Establishments reporting	PROPRIETORS AND FIRM MEMBERS			SALARIED EMPLOYEES										Sex not reported
		Receiving no salary	Receiving salaries		All salaried employees		Officers and clerical staff		Superintendents, foremen, etc.		Number reported, by sex				
			Number	Total annual salaries	Total number	Total annual salaries	Number	Total annual salaries	Number	Total annual salaries	Total	Male	Female		
ILLINOIS	2,433	1,408	806	\$3,260,132	8,970	\$20,882,095	5,421	\$19,253,712	3,540	\$10,628,373	8,095	6,510	1,585	875	
Operative builders.....	17	14	1	6,000	27	110,071	17	88,478	10	21,593	27	19	8	-----	
General contractors.....	936	615	288	1,267,978	4,808	16,164,317	2,456	9,374,442	2,352	6,789,875	4,410	3,589	821	398	
Building.....	642	443	104	914,137	2,697	9,055,153	1,475	5,432,375	1,222	3,622,778	2,396	1,703	693	301	
Building not specialized.....	471	316	152	763,101	2,177	7,355,307	1,168	4,465,432	1,009	2,889,875	1,987	1,414	573	190	
Commercial building only.....	35	17	8	30,268	274	916,766	140	406,707	140	510,059	243	223	20	31	
Manufacturing building only.....	9	3	2	13,907	83	303,530	60	280,336	14	43,200	23	19	4	60	
Residential building only.....	127	107	32	106,881	163	479,544	104	299,900	59	179,644	143	107	36	20	
Highway.....	64	42	27	80,237	318	1,066,937	136	613,737	182	453,200	287	266	21	31	
Bridge and culvert.....	28	15	6	24,668	176	598,039	70	302,066	106	296,873	156	144	12	20	
Grading.....	12	8	8	23,650	60	153,079	31	100,727	29	52,352	60	53	7	-----	
Street paving.....	96	57	30	123,895	505	2,034,601	237	1,224,382	268	810,210	478	419	59	27	
Sewer, gas, water, conduit.....	44	27	8	25,000	250	972,351	115	548,117	141	424,234	247	230	18	9	
Dam, reservoir, and waterworks.....	0	0	5	10,370	28	67,605	14	36,070	14	30,635	24	22	2	4	
Dredging, river, harbor, etc.....	7	7	-----	-----	176	600,445	125	460,361	51	149,084	176	162	24	-----	
Levees.....	3	1	-----	-----	8	25,715	7	22,715	1	3,000	8	6	2	-----	
Railroad.....	10	0	3	11,500	115	408,052	46	190,731	69	217,321	109	98	11	6	
Foundation.....	8	5	5	13,981	16	33,386	10	17,040	6	15,746	16	14	2	-----	
Central station, light and power plant.....	13	6	2	31,640	453	1,139,054	190	424,621	263	714,433	453	423	30	-----	
Subcontractors.....	1,480	779	517	1,992,154	4,135	13,607,697	2,948	9,790,792	1,187	3,816,905	3,658	2,902	756	477	
Carpentering and wood flooring.....	56	35	22	72,055	87	301,430	67	230,339	20	71,100	77	68	9	10	
Concreting.....	68	51	14	52,198	203	742,813	115	406,362	88	240,451	197	173	24	6	
Electrical.....	176	72	60	356,595	565	1,928,853	437	1,454,963	123	473,890	512	394	118	53	
Elevator construction.....	5	-----	1	2,500	60	183,240	37	97,780	23	85,460	60	51	9	-----	
Heating and plumbing.....	477	226	175	622,797	1,301	4,285,813	1,061	3,238,206	330	1,047,607	1,156	879	277	235	
Heating and piping.....	171	48	52	188,624	686	2,308,606	518	1,784,479	170	624,227	543	425	118	143	
Pipe covering.....	0	4	-----	-----	29	113,433	24	98,033	5	15,400	25	20	5	4	
Plumbing.....	227	144	92	309,475	458	1,276,971	352	930,088	106	340,283	393	286	107	65	
Plumbing and heating combined.....	63	27	27	104,908	198	350,477	115	279,509	23	70,068	117	81	36	21	
Automatic sprinkler systems.....	7	3	4	19,890	80	236,426	54	145,497	26	90,929	78	67	11	2	
Masonry.....	91	74	39	125,454	106	612,923	108	368,225	88	244,098	188	163	25	8	
Painting and decorating.....	135	95	46	157,483	304	1,841,930	270	1,018,755	94	323,175	325	246	79	39	
Glass and glazing.....	13	5	4	12,976	31	77,376	21	40,881	10	27,495	30	24	6	1	
Plastering and lathing.....	112	80	33	139,314	220	884,662	128	553,692	92	331,070	213	185	28	7	
Roofing and sheet-metal work.....	165	69	63	251,371	309	1,085,692	201	771,145	108	314,647	358	268	90	41	
Roofing.....	90	37	20	84,528	257	713,705	185	510,393	72	203,812	233	183	50	24	
Sheet-metal work.....	61	26	36	145,723	102	273,531	79	195,930	23	77,001	92	65	27	10	
Roofing and sheet metal combined.....	14	6	7	21,120	40	98,466	27	64,822	13	33,634	33	20	13	7	
Stool erection.....	10	3	-----	-----	123	445,278	65	271,101	55	174,177	116	112	4	7	
Stonework.....	22	11	12	42,516	42	204,200	29	155,510	13	48,780	35	31	4	7	
Marble and tiling.....	68	26	25	99,578	100	625,755	149	443,473	60	177,282	173	129	44	26	
Wrecking.....	7	1	-----	-----	30	98,035	21	63,418	0	34,617	30	22	8	-----	
Excavating.....	24	13	6	24,259	52	147,144	35	113,752	17	33,892	37	35	2	15	
Ornamental iron.....	5	2	3	3,900	23	94,621	10	50,000	13	44,621	23	20	3	-----	
Grading.....	5	1	-----	-----	10	47,080	6	38,500	4	8,580	10	10	-----	-----	
Street paving and highway.....	5	3	2	7,000	19	82,173	10	59,457	9	22,716	13	11	2	6	
Foundation.....	3	3	-----	-----	24	119,961	17	91,670	7	28,291	24	22	2	-----	
Metal work, n. e. s.....	11	3	5	12,358	41	119,636	29	86,307	12	33,329	41	31	10	-----	
Rental of equipment, trucking, etc.....	3	2	-----	-----	9	37,407	5	20,368	4	11,030	5	3	2	4	
Flooring, n. e. s.....	3	1	1	8,000	37	120,950	29	97,368	8	23,588	26	18	8	11	
Other classes.....	7	6	1	1,800	10	20,620	5	9,620	5	11,000	9	7	2	1	
CHICAGO	1,439	691	373	1,378,811	6,897	24,360,243	4,243	15,998,730	2,654	8,361,513	6,263	5,328	935	634	
Operative builders.....	10	8	-----	-----	23	103,303	15	87,110	8	16,193	23	17	6	-----	
General contractors.....	428	190	83	607,780	3,543	12,581,003	1,880	7,500,501	1,063	5,075,102	3,271	2,889	382	272	
Building.....	313	168	77	545,809	2,112	7,534,193	1,170	4,644,254	642	2,889,909	1,879	1,638	241	233	
Building not specialized.....	228	110	53	448,332	1,605	5,998,379	903	3,764,306	702	2,234,073	1,531	1,332	199	134	
Commercial building only.....	28	10	6	30,268	200	885,927	125	388,967	135	496,900	220	212	17	31	
Manufacturing building only.....	6	1	2	13,907	71	267,736	63	238,636	8	20,100	10	16	3	52	
Residential building only.....	51	37	11	52,802	116	382,121	79	252,345	37	129,770	100	78	22	16	
Highway.....	9	2	-----	-----	69	289,224	39	190,476	30	80,748	61	57	4	8	
Bridge and culvert.....	12	-----	-----	-----	141	502,920	64	276,660	77	226,254	121	109	12	20	
Grading.....	3	-----	-----	-----	33	107,239	23	83,660	10	23,673	33	26	7	-----	
Street paving.....	36	9	2	24,000	273	1,265,423	138	789,039	135	476,384	273	236	37	-----	
Sewer, gas, water, conduit.....	23	10	-----	-----	175	728,965	82	432,436	93	296,529	170	150	14	5	
Dredging, river, harbor, etc.....	7	-----	-----	-----	170	590,916	126	453,707	44	137,200	170	145	25	-----	
Railroad.....	5	4	3	11,500	112	402,116	46	190,731	66	211,385	106	95	11	6	
Foundation.....	9	4	-----	-----	10	26,680	4	13,940	6	15,746	10	9	1	-----	
Central station, light and power plant.....	11	3	1	26,471	448	1,139,951	188	422,680	260	708,265	448	418	30	-----	
Subcontractors.....	1,001	493	290	1,271,081	3,381	11,675,337	2,348	8,405,119	1,083	3,270,218	2,969	2,422	547	362	
Carpentering and wood flooring.....	50	30	20	66,674	85	300,815	66	229,715	20	71,100	70	67	9	10	
Concreting.....	59	45	11	49,598	190	719,218	111	480,018	79	230,200	184	162	22	6	
Electrical.....	126	50	32	256,660	475	1,776,716	363	1,344,712	112	432,004	429	340	89	46	
Elevator construction.....	5	-----	1	2,500	60	183,240	37	97,780	23	85,460	60	51	9	-----	
Heating and plumbing.....	293	129	71	269,521	1,047	3,593,962	785	2,646,331	262	857,631	863	689	174	184	
Heating and piping.....	134	33	33	121,020	592	2,080,707	450	1,628,284	142	452,473	462	370	92	130	
Pipe covering.....	9	4	-----	-----	29	113,433	24	98,033	5	15,400	25	20	5	4	
Plumbing.....	137	85	35	184,080	332	1,029,321	248	746,651	84	282,670	287	226	61	45	
Plumbing and heating combined.....	8	4	3	14,421	18	49,783	13	33,624	5	16,159	13	8	5	6	

CONSTRUCTION—ILLINOIS

TABLE 5.—NUMBER AND SALARIES OF PROPRIETORS, FIRM MEMBERS, AND SALARIED EMPLOYEES: 1929—Continued

CLASSIFICATION OF ESTABLISHMENTS	Establishments reporting	PROPRIETORS AND FIRM MEMBERS			SALARIED EMPLOYEES								Sex not reported	
		Receiving no salary	Receiving salaries		All salaried employees		Officers and clerical staff		Superintendents, foremen, etc.		Number reported, by sex			
			Number	Total annual salaries	Total number	Total annual salaries	Number	Total annual salaries	Number	Total annual salaries	Total	Male		Female
CHICAGO—Continued														
Subcontractors—Continued.														
Steel erection	16	3		103	\$389,408	53	\$229,071	50	\$160,337	96	93	3	7	
Stonework	17	11	0	28	107,814	10	73,484	9	34,330	23	20	3	5	
Marble and tiling	40	17	18	158	495,692	118	358,530	40	140,162	141	103	38	17	
Wracking	7	1		30	95,035	21	63,418	9	34,617	30	22	8		
Excavating and grading	13	5	2	29	102,250	19	80,044	10	22,215	24	24		5	
Ornamental iron	4			23	94,621	10	50,000	13	44,621	23	20	3		
Foundation	3			24	119,061	17	91,670	7	28,391	24	22	2		
Metal work, n. e. s.	11	3	5	41	119,636	29	86,307	12	33,329	41	31	10		
Rental of equipment, trucking, etc.	3	2		9	37,407	5	26,368	4	11,039	5	3	2	4	
Flooring, n. e. s.	3	1	1	37	120,056	29	97,368	8	23,588	20	18	8	11	
Other classes ⁹	4			19	74,901	9	47,535	10	27,366	18	15	3		
PEORIA	66	42	24	187	553,298	77	199,052	60	154,246	102	78	24	35	
General contractors⁶														
Building	24	26	10	75	200,814	33	91,655	42	100,159	65	53	12	10	
Building not specialized ⁴	24	19	6	42	22,260	21	115,877	21	58,872	30	20	7	6	
Residential building only	15	13	3	34	9,369	17	52,941	17	50,372	28	24	4	6	
Street paving and highway	9	6	3	8	12,900	4	4,064	4	8,500	8	5	3		
Other classes ⁷	7	6	2	19	6,850	8	20,181	11	29,312	19	15	4		
	3	1	2	14	5,200	4	35,444	10	20,975	10	9	1	4	
Subcontractors														
Electrical	32	16	14	62	152,484	44	107,397	18	45,087	37	25	12	25	
Heating and plumbing	3	4	1	1	780	1	780			1		1		
Heating and piping ⁸	13	6	7	25	52,827	20	41,531	5	11,296	22	13	9	3	
Plumbing	5		2	12	24,075	8	15,379	4	8,096	12	8	4		
Painting and decorating	8	6	5	13	28,752	12	28,152	1	2,600	10	5	5	3	
Plastering and lathing	3	1	3	4	10,172	4	10,172			1	1		3	
Roofing and sheet-metal work	3	3		2	5,044	1	1,144	1	3,900	2	1	1		
Other classes ⁹	6	1	2	15	37,234	10	26,633	5	10,691	10	9	1	5	
	4	1	1	15	46,427	8	27,137	7	19,290	1	1		14	

- ¹ Includes refuse disposal plant.
- ² Includes automatic temperature control.
- ³ Includes bridge and culvert; sewer, gas, water, conduit; dredging, river, harbor, etc.; and soundproofing.
- ⁴ Includes levee.
- ⁵ Includes street paving; sewer, gas, water, conduit; and soundproofing.
- ⁶ Includes operative builders.
- ⁷ Includes grading; sewer, gas, water, conduit; and dredging, river, harbor, etc.
- ⁸ Includes plumbing and heating combined.
- ⁹ Includes masonry; marble and tiling; and street paving.

TABLE 6.—VALUE OF CONSTRUCTION EQUIPMENT, IN COMPARISON WITH CONSTRUCTION BUSINESS AND WAGES PAID DURING 1929

CLASSIFICATION OF ESTABLISHMENTS AND PERCENTAGE OF EQUIPMENT OWNED	Establishments reporting	EQUIPMENT		Value of construction business reported	Wages paid	CLASSIFICATION OF ESTABLISHMENTS AND PERCENTAGE OF EQUIPMENT OWNED	Establishments reporting	EQUIPMENT		Value of construction business reported	Wages paid
		Purchased during the year	Inventory value at end of year					Purchased during the year	Inventory value at end of year		
		Dollars	Dollars					Dollars	Dollars		
ILLINOIS	2,211	6,722,016	38,705,917	528,738,530	136,251,298	ILLINOIS—Continued					
<i>Classification of establishments—Continued</i>											
Operative builders	14	2,200	12,800	3,524,896	189,174	Subcontractors	1,333	1,979,888	9,049,551	191,771,989	65,576,731
General contractors	864	4,789,928	27,043,566	331,441,645	70,485,303	Carpentering and wood flooring	48	26,190	154,236	4,149,159	1,302,771
Building	583	1,035,347	4,750,735	220,342,329	44,433,256	Concrete	70	144,481	628,109	9,159,390	3,025,995
Building not specialized	435	806,065	4,032,700	170,269,071	34,402,383	Electrical	151	261,014	650,061	24,073,160	8,432,735
Commercial building only	33	186,296	429,570	35,481,009	7,147,671	Elevator construction	4	26,939	16,099	7,628,989	1,039,657
Manufacturing building only	7	9,834	116,418	2,298,912	561,296	Heating and plumbing	407	389,035	1,937,880	67,801,550	16,129,222
Residential building only	108	34,182	173,047	12,291,837	2,321,996	Heating and piping ²	149	217,013	844,010	27,895,505	7,169,433
Highway	59	24,699	3,690,228	16,599,070	4,001,442	Pipe covering	6	4,123	15,131	1,250,184	594,694
Bridge and culvert	25	327,810	1,271,231	8,464,412	2,551,732	Plumbing	196	138,710	551,936	21,436,832	6,395,070
Grading	11	108,283	420,244	1,103,081	327,346	Plumbing and heating combined	48	26,955	333,760	4,344,871	1,158,742
Street paving	94	893,160	4,509,268	36,090,082	6,712,422	Automatic sprinkler systems	5	7,234	193,053	2,868,158	833,283
Sewer, gas, water conduit ¹	42	376,627	1,859,608	14,007,150	4,110,420	Masonry	80	48,328	340,323	13,253,633	4,794,554
Dam, reservoir, and waterworks	9	85,065	481,934	1,269,985	280,125	Painting and decorating	122	117,559	569,290	13,487,997	7,646,689
Dredging, river, harbor, etc.	7	1,524,365	8,900,226	10,453,451	2,280,447	Glass and glazing	13	6,505	37,982	1,437,229	3,369,284
Levee	3	30,000	186,129	257,599	75,352	Plastering and lathing	107	94,532	402,513	15,654,757	8,133,550
Railroad	10	303,837	873,708	6,603,682	1,935,477	Roofing and sheet-metal work	189	178,607	771,466	13,887,099	3,724,510
Foundation	8	9,482	83,726	1,019,193	381,496	Roofing	88	144,816	471,014	8,748,129	2,130,597
Central station, light and power plant	13	51,244	599,540	14,662,251	3,389,788	Sheet-metal work	59	30,837	263,196	4,074,345	1,809,709
						Roofing and sheet metal combined	12	2,954	42,256	1,064,625	283,904

See footnotes at end of table.

TABLE 6.—VALUE OF CONSTRUCTION EQUIPMENT, IN COMPARISON WITH CONSTRUCTION BUSINESS AND WAGES PAID DURING 1929—Continued

CLASSIFICATION OF ESTABLISHMENTS AND PERCENTAGE OF EQUIPMENT OWNED	Establishments reporting	EQUIPMENT		Value of construction business reported	Wages paid	CLASSIFICATION OF ESTABLISHMENTS AND PERCENTAGE OF EQUIPMENT OWNED	Establishments reporting	EQUIPMENT		Value of construction business reported	Wages paid
		Purchased during the year	Inventory value at end of year					Purchased during the year	Inventory value at end of year		
ILLINOIS—Continued						CHICAGO—Continued					
<i>Classification of establishments—Continued</i>						<i>Classification of establishments—Continued</i>					
Subcontractors—Continued.		<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	Subcontractors—Continued.		<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Steel erection.....	20	145,548	940,007	6,058,740	2,082,272	Plastering and lathing.....	71	77,200	882,181	13,166,103	6,999,940
Stonework.....	20	41,149	323,936	2,119,985	701,639	Roofing and sheet-metal work.....	111	144,602	549,934	10,307,713	2,846,084
Marble and tiling.....	64	44,555	336,400	8,336,837	2,013,412	Roofing.....	62	116,430	319,908	6,084,147	1,070,923
Wrecking.....	8	22,589	106,525	702,523	300,217	Sheet-metal work.....	45	27,555	220,367	3,340,552	1,082,415
Excavating.....	22	120,757	827,776	1,632,943	607,211	Roofing and sheet metal combined.....	4	617	9,000	283,014	82,746
Ornamental iron.....	4	3,114	49,248	1,112,474	182,010	Steel erection.....	16	144,048	921,806	5,040,727	2,013,790
Grading.....	5	32,295	151,353	453,792	167,307	Stonework.....	15	31,641	213,191	1,509,105	547,840
Street paving and highway.....	0	56,532	99,314	1,500,975	559,637	Marble and tiling.....	40	26,350	227,833	6,700,678	2,414,263
Foundation.....	3	10,608	138,970	987,567	287,608	Wrecking.....	8	22,589	106,525	702,523	300,217
Metal work, n. e. s.....	8	157,595	218,921	6,110,492	1,202,489	Excavating and grading.....	12	74,734	329,855	931,781	368,836
Rental of equipment, trucking, etc.....	3	16,827	87,617	404,730	170,743	Ornamental iron.....	3	2,764	42,057	1,030,391	177,807
Flooring, n. e. s.....	3	6,652	14,200	1,180,337	329,517	Foundation.....	3	10,608	183,970	987,567	287,608
Other classes ¹	6	19,427	96,750	554,552	183,787	Metal work, n. e. s.....	8	157,595	218,921	6,110,492	1,202,489
						Rental of equipment, trucking, etc.....	3	16,827	87,617	404,730	170,743
Percentage of equipment owned						Other classes ²	7	23,197	108,125	2,740,270	808,222
General contractors ⁴	878	4,742,128	27,056,366	334,960,541	70,674,477						
None.....	40			14,886,298	1,355,063	Percentage of equipment owned					
1% to 25%.....	14	37,409	120,840	16,270,483	1,242,281	General contractors ⁴	411	3,693,253	18,206,131	250,233,975	51,008,257
26% to 50%.....	28	65,775	164,995	17,601,634	3,931,428	None.....	33			13,981,567	1,222,055
51% to 75%.....	29	137,553	690,418	17,044,774	3,186,894	1% to 25%.....	9	23,909	53,940	15,049,624	1,102,041
76% to 99%.....	149	91,157	4,224,940	99,064,303	23,112,464	26% to 50%.....	19	61,751	139,100	15,371,182	3,177,347
100%.....	880	4,380,317	23,334,900	150,733,760	36,254,910	51% to 75%.....	16	115,819	493,181	15,305,445	2,773,764
Not reported.....	32	20,917	120,213	14,390,383	1,690,837	76% to 99%.....	90	625,029	2,543,261	84,323,215	19,378,160
						100%.....	217	2,893,939	14,920,907	90,082,195	21,042,355
Subcontractors.....	1,333	1,970,888	0,040,561	191,771,989	65,870,731	Not reported.....	21	2,770	55,742	13,030,746	1,282,535
None.....	23			3,768,210	1,108,295						
1% to 25%.....	2	1,500	6,361	823,581	242,531	Subcontractors.....	918	1,527,682	6,522,839	101,315,804	50,089,960
26% to 50%.....	10	25,302	100,103	2,132,815	745,306	None.....	20			2,974,888	1,083,136
51% to 75%.....	23	75,107	230,744	3,615,905	1,299,891	1% to 25%.....	2	1,500	6,351	823,581	242,531
76% to 99%.....	79	202,057	1,180,556	14,070,750	5,871,716	26% to 50%.....	13	25,317	65,161	2,003,997	691,467
100%.....	1,149	1,497,438	7,335,759	100,325,454	53,870,671	51% to 75%.....	10	27,391	176,231	3,234,050	1,125,569
Not reported.....	41	178,394	190,938	7,535,262	2,738,851	76% to 99%.....	60	150,242	1,019,339	12,317,723	4,985,243
						100%.....	777	1,107,423	5,114,109	133,470,464	45,421,214
						Not reported.....	30	116,809	141,558	0,984,431	2,540,800
CHICAGO	1,329	5,220,935	24,728,970	417,649,779	107,008,217						
<i>Classification of establishments</i>						PEORIA	60	182,956	928,970	8,805,395	2,141,318
Operative builders.....	8	1,400	9,600	3,045,596	66,593	<i>Classification of establishments</i>					
General contractors.....	403	3,601,853	18,106,531	253,188,379	50,941,694	General contractors ⁴	31	154,093	730,570	6,732,382	1,433,104
Building.....	200	632,835	3,007,869	177,791,105	33,452,845	Building.....	23	35,808	67,900	4,613,360	979,019
Building not specialized.....	216	432,901	2,503,628	139,298,350	24,005,089	Building not specialized ⁴	14	23,682	58,609	3,370,080	855,468
Commercial building only.....	20	181,014	385,938	34,646,090	7,035,502	Residential building only.....	9	2,186	9,331	733,374	129,153
Manufacturing building only.....	5	4,834	20,418	1,777,349	441,976	Street paving and highway.....	5	87,225	150,147	1,648,031	336,426
Residential building only.....	43	14,036	91,935	8,059,376	1,400,278	Other classes ⁷	3	41,000	600,523	470,991	
Highway and grading.....	11	250,950	1,030,236	4,072,111	1,031,895						
Bridges and culvert.....	11	389,493	1,080,860	6,729,985	2,067,355	Subcontractors.....	29	28,863	198,400	2,073,013	708,214
Street paving.....	36	399,774	1,977,997	21,451,393	3,443,933	Electrical.....	3	490	14,382	113,536	29,611
Sewer, gas, water, conduit ¹	23	205,308	1,024,405	10,776,984	3,072,227	Heating and plumbing.....	11	2,991	67,532	581,316	157,067
Dredging, river, harbor, etc. ²	7	434,895	8,572,108	10,399,982	2,170,621	Heating and piping ³	4	378	48,047	231,695	57,785
Railroad.....	9	302,037	370,963	6,558,657	1,971,300	Plumbing.....	7	2,013	19,485	340,021	99,881
Foundation.....	5	6,070	44,178	852,564	320,000	Painting and decorating.....	3	340	11,913	116,755	62,120
Central station, light and power plant.....	11	50,012	592,915	14,558,536	3,373,738	Roofing and sheet-metal work.....	6	3,994	57,936	336,854	84,580
						Other classes ⁸	6	21,048	47,187	924,552	374,236
Subcontractors.....	918	5,227,682	6,522,839	161,315,804	56,089,960	Percentage of equipment owned ¹⁰					
Carpentering and wood flooring.....	44	25,960	130,789	3,985,784	1,240,437	General contractors ⁴	31	154,093	730,570	6,732,382	1,433,104
Concreting.....	60	127,491	559,062	8,598,553	3,393,030	None.....	2			112,300	26,415
Electrical.....	110	184,398	511,843	21,558,088	7,697,375	1% to 25%.....	1	10,000	20,000	55,000	10,000
Elevator construction.....	3	26,939	10,209	7,400,011	1,027,131	26% to 50%.....	2	54,785	346,093	1,128,623	333,301
Heating and plumbing.....	258	311,237	1,152,520	46,387,921	13,122,077	76% to 99%.....	25	39,308	362,977	5,371,453	1,056,988
Heating and piping ³	121	203,941	623,792	25,032,604	6,423,076	100%.....	1			65,000	6,400
Pipe covering.....	9	4,123	15,131	1,256,184	504,694	Not reported.....	2				
Plumbing.....	118	93,344	201,415	16,601,899	5,099,678	Subcontractors.....	29	28,863	198,400	2,073,013	708,214
Plumbing and heating combined.....	6	4,000	35,929	707,616	211,161	76% to 99%.....	1	4,122	7,329	134,744	51,977
Automatic sprinkler systems.....	4	5,829	180,253	2,739,528	823,463	100%.....	27	24,687	189,342	1,906,695	645,048
Masonry.....	51	33,020	254,313	11,300,040	4,046,576	Not reported.....	1			31,674	11,189
Painting and decorating.....	82	84,484	460,653	11,329,985	6,349,748						
Glass and glazing.....	7	1,902	11,845	1,049,727	298,607						

¹ Includes refuse disposal plant.
² Includes automatic temperature control.
³ Includes bridge and culvert; sewer, gas, water, conduit; dredging, river, harbor, etc.; and soundproofing.
⁴ Includes operative builders.
⁵ Includes levee.
⁶ Includes sewer, gas, water, conduit; street paving; soundproofing; and flooring, n. e. s.
⁷ Includes grading; sewer, gas, water, conduit; and dredging, river, harbor, etc.
⁸ Includes plumbing and heating combined.
⁹ Includes masonry; plastering and lathing; marble and tiling; and street paving.
¹⁰ See complete classification in the tabulation for the State above.

CONSTRUCTION—ILLINOIS

TABLE 7.—WAGE EARNERS, BY MONTHS, AND WAGES PAID DURING 1929

CLASSIFICATION OF ESTABLISHMENTS AND LENGTH OF WORKING WEEK	Estab-lish-ments reporting	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY												Wages paid during year
		January	February	March	April	May	June	July	August	September	October	November	December	
ILLINOIS	2,286	47,820	48,563	55,382	67,340	73,915	76,688	77,552	79,875	77,117	73,260	66,918	52,033	\$140,088,885
<i>Classification of establishments</i>														
Operative builders	6	51	77	60	54	83	121	113	96	99	92	94	60	194,565
General contractors	863	24,239	24,947	29,549	37,832	43,619	45,626	46,549	48,434	46,133	43,853	39,907	29,636	71,030,240
Building	585	16,589	18,007	21,293	27,500	27,500	26,396	26,133	27,145	24,912	22,665	21,707	18,186	44,935,880
Building not specialized	432	14,161	15,423	18,118	21,006	23,297	21,367	20,774	19,371	18,260	17,436	17,436	14,640	34,745,828
Commercial building only	31	1,623	1,625	1,874	2,114	2,517	3,860	3,634	4,572	3,955	3,087	3,061	2,704	7,151,925
Manufacturing building only	6	204	159	233	259	184	183	409	497	419	227	213	178	547,976
Residential building only	116	971	800	1,024	1,362	1,508	1,496	1,339	1,302	1,167	1,091	997	60	2,400,151
Highway	59	675	607	810	1,066	3,122	3,954	4,334	4,398	4,382	3,818	2,427	1,829	3,058,346
Bridge and culvert	25	1,440	1,223	1,262	1,042	1,367	1,585	1,044	1,832	1,603	1,449	1,329	1,072	2,871,117
Grading	12	37	48	97	272	301	305	302	447	408	433	204	65	2,871,117
Street paving	93	653	600	992	2,616	4,459	5,272	5,777	6,120	5,844	5,412	3,741	2,044	6,886,041
Sewer, gas, water, conduit	42	1,471	1,191	1,017	1,584	1,757	1,849	2,482	2,474	2,325	2,817	2,858	2,281	4,080,010
Dam, reservoir, and waterworks	8	62	58	83	136	171	181	202	208	228	216	208	180	2,121,022
Dredging, river, harbor, etc.	7	1,005	871	1,384	1,602	1,947	2,670	2,039	2,685	2,942	3,363	3,700	2,490	2,236,447
Levee	3	5	4	25	31	37	37	40	42	64	67	52	48	75,352
Railroad	9	702	717	754	809	894	1,102	1,003	947	1,041	1,078	1,188	1,090	1,959,947
Foundation	8	152	141	200	241	208	213	156	165	209	206	174	150	31,486
Central station, light and power plant	12	1,178	1,300	1,720	1,802	1,850	2,162	2,287	1,971	2,175	2,329	2,311	2,004	3,280,236
Subcontractors	1,417	23,530	23,539	25,729	29,454	30,213	30,949	30,890	31,345	30,885	29,315	25,917	22,331	68,858,030
Carpentering and wood flooring	62	420	428	577	622	639	613	639	631	607	470	373	355	1,200,871
Concreting	64	1,127	1,175	1,149	1,070	1,887	2,190	2,006	1,875	1,804	1,615	1,515	958	3,871,611
Electrical	172	2,778	2,842	2,988	3,520	3,750	3,688	3,308	3,129	3,202	3,063	2,624	2,556	8,653,144
Elevator construction	5	489	514	602	461	401	380	423	441	483	533	540	641	1,377,405
Heating and plumbing	457	6,882	6,537	6,602	6,970	6,674	6,800	7,029	7,495	7,646	7,058	7,153	6,480	18,200,478
Heating and piping	108	3,017	2,892	2,794	2,732	2,665	2,742	2,937	3,117	3,347	3,366	3,256	2,022	7,987,407
Pipe covering	8	221	202	198	200	224	102	167	175	183	199	104	192	549,685
Plumbing	213	2,567	2,420	2,585	2,932	2,764	2,866	2,763	2,873	2,762	2,750	2,449	2,210	7,067,880
Plumbing and heating combined	61	478	449	491	569	404	469	602	571	560	636	668	659	1,288,470
Automatic sprinkler systems	7	599	574	534	528	404	459	602	571	560	636	668	659	1,288,470
Masonry	87	3,065	2,901	2,931	3,228	3,374	3,536	3,426	3,446	3,232	3,366	3,376	3,050	6,028,853
Painting and decorating	127	1,747	1,930	2,051	3,406	3,663	3,219	2,905	2,942	3,243	3,034	2,616	1,868	7,757,224
Glass and glazing	14	125	120	132	133	151	135	128	131	132	130	135	131	370,284
Plastering and lathing	106	2,702	2,732	3,073	3,418	3,313	3,500	3,633	3,531	3,102	2,525	2,012	1,882	8,080,385
Roofing and sheet-metal work	159	1,037	1,104	1,451	1,721	1,705	1,813	1,938	2,024	1,991	1,972	1,708	1,330	3,612,376
Roofing	88	495	593	913	1,096	1,114	1,129	1,191	1,263	1,242	1,225	995	684	2,081,040
Sheet-metal work	58	403	379	441	451	511	518	568	549	520	521	535	500	1,193,621
Roofing and sheet metal combined	13	739	744	748	874	1,083	1,247	1,347	1,195	1,154	1,050	840	777	2,414,243
Steel erection	19	774	812	309	325	375	368	304	288	277	245	237	245	754,912
Stonework	21	327	381	988	1,091	1,081	1,138	1,263	1,444	1,622	1,181	993	848	2,930,015
Marble and tiling	65	147	165	175	181	309	223	135	143	176	141	114	90	220,404
Wrecking	7	200	214	252	368	352	317	361	338	305	312	271	181	603,105
Excavating	22	94	94	94	91	83	40	89	86	88	91	88	82	182,016
Ornamental iron	4	41	46	59	60	126	151	181	208	176	147	49	36	107,807
Grading	5	21	19	24	30	380	366	302	407	370	358	164	27	559,037
Street paving and highway	6	314	370	372	375	416	589	706	861	674	559	502	453	1,225,784
Metal work, n. e. s.	9	54	110	136	134	177	162	228	169	114	101	58	42	251,033
Rental of equipment, trucking, etc.	4	112	133	165	199	183	132	152	158	162	121	122	96	360,517
Flooring, n. e. s.	4	103	150	221	205	222	273	170	250	334	356	323	290	424,440
Other classes	8	103	150	221	205	222	273	170	250	334	356	323	290	424,440
<i>Length of working week</i>														
General contractors	860	24,200	25,024	29,653	37,836	43,702	45,747	46,662	48,530	46,232	43,945	40,001	29,702	71,230,805
40-hour, 5-day week	18	663	663	568	834	769	619	663	608	703	709	685	770	1,350,792
40-hour, 5-day week	1	7	6	10	15	9	6	12	8	6	7	6	0	15,808
50-hour, 5-day week	1	10	21	23	25	23	31	20	20	33	41	28	7	38,218
40-hour, 5½-day week	536	17,332	18,440	21,758	25,542	27,491	26,388	26,485	27,273	24,807	23,289	22,515	18,641	47,085,745
40½-hour, 5½-day week	2	3	3	3	9	31	30	77	57	27	27	0	17	74,024
55-hour, 5½-day week	5	80	76	90	137	161	129	136	141	155	158	155	84	184,061
All other 5½-day week	16	349	304	384	633	809	866	755	693	924	694	640	355	917,106
48-hour, 6-day week	89	2,086	1,720	2,052	4,370	6,220	7,875	7,797	8,326	8,355	8,280	7,625	3,930	10,110,557
54-hour, 6-day week	11	1,072	945	1,361	1,817	2,288	2,751	2,795	2,806	2,383	2,135	1,720	1,068	3,248,435
60-hour, 6-day week	78	1,033	1,037	1,258	2,347	3,369	4,106	4,044	5,178	5,302	5,055	3,684	2,008	4,334,130
All other 6-day week	31	1,252	1,415	1,665	1,719	1,917	2,123	2,244	2,245	2,510	2,709	2,673	2,895	2,608,410
All other not designated	12	150	156	257	324	323	308	634	637	582	539	378	324	723,240
Not reported	13	253	220	224	105	292	425	391	520	376	223	168	95	633,673
Subcontractors	1,417	23,530	23,539	25,729	29,454	30,213	30,949	30,890	31,345	30,885	29,315	25,917	22,331	68,858,030
40-hour, 5-day week	236	4,717	4,864	5,838	6,754	6,648	6,842	6,111	6,130	6,028	5,119	4,304	3,660	15,687,510
All other 5-day week	3	22	27	30	43	48	82	117	120	110	75	75	26	140,782
40-hour, 5½-day week	1,021	16,388	16,079	16,920	19,039	19,431	20,234	20,663	21,081	20,728	20,201	18,525	16,068	46,178,156
40½-hour, 5½-day week	4	219	201	186	137	197	207	197	208	257	269	189	177	364,369
55-hour, 5½-day week	2	4	5	5	8	12	12	14	15	15	14	12	15	22,173
All other 5½-day week	18	213	211	226	254	283	266	276	271	298	294	238	181	440,743
48-hour, 6-day week	32	519	462	545	708	795	619	778	839	864	964	688	431	1,673,973
54-hour, 6-day week	39	585	682	758	881	1,112	1,194	1,277	1,346	1,199	1,119	1,039	781	1,877,616
60-hour, 6-day week	15	442	624	696	850	1,010	1,066	822	732	785	610	434	269	1,877,616
All other 6-day week	26	307	284	365	452	448	421	447						

CONSTRUCTION—ILLINOIS

TABLE 7.—WAGE EARNERS, BY MONTHS, AND WAGES PAID DURING 1929—Continued

CLASSIFICATION OF ESTABLISHMENTS AND LENGTH OF WORKING WEEK	Estab-lish-ments reporting	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY												Wages paid during year
		Janu-ary	Febru-ary	March	April	May	June	July	August	Sep-tember	Octo-ber	Novem-ber	Decem-ber	
CHICAGO—Continued														
<i>Classification of establishments—Contd.</i>														
Subcontractors.....	902	20,120	20,042	21,863	24,098	25,003	25,753	26,641	25,921	25,362	23,861	20,990	18,171	\$68,758,623
Carpentering and wood flooring.....	47	398	397	540	586	583	555	577	577	569	431	343	325	1,188,055
Concreting.....	56	1,058	1,107	1,056	1,474	1,695	2,022	2,040	1,877	1,735	1,730	1,404	899	3,163,784
Electrical.....	123	2,481	2,549	2,679	3,194	3,251	3,317	2,947	2,006	2,727	2,006	2,244	2,109	7,746,537
Elevator construction.....	4	485	510	525	467	397	376	419	437	470	529	542	537	1,364,929
Heating and plumbing.....	282	5,469	5,235	5,239	5,464	5,126	5,209	5,339	5,095	5,713	5,703	5,285	4,768	14,821,901
Heating and piping ²	133	2,625	2,511	2,429	2,320	2,243	2,280	2,429	2,552	2,742	2,754	2,642	2,389	7,110,651
Pipe covering.....	8	221	202	198	200	224	192	167	175	183	109	104	192	549,585
Plumbing.....	129	2,008	1,904	2,036	2,318	2,120	2,216	2,105	2,179	2,030	2,048	1,707	1,006	6,098,347
Plumbing and heating combined.....	7	61	72	71	78	78	75	73	78	71	80	74	77	203,313
Automatic sprinkler systems.....	5	554	546	505	548	401	440	565	711	681	622	678	504	1,260,005
Masonry.....	58	2,890	2,705	2,089	2,834	2,841	3,075	3,014	3,052	2,830	3,017	3,036	2,806	5,261,353
Painting and decorating.....	85	1,452	1,537	2,107	2,726	2,880	2,509	2,274	2,332	2,653	2,475	2,131	1,644	6,364,264
Glass and glazing.....	8	85	81	97	101	118	97	92	95	96	94	98	92	308,607
Plastering and lathing.....	68	2,427	2,373	2,092	2,927	2,777	3,000	3,100	2,978	2,593	2,619	1,566	1,499	6,889,360
Roofing and sheet-metal work.....	105	684	755	1,052	1,236	1,248	1,264	1,287	1,352	1,330	1,274	1,090	886	2,655,746
Roofing.....	58	336	413	694	814	794	806	795	877	802	809	657	463	1,576,241
Sheet-metal work.....	42	209	283	302	353	390	395	425	404	385	377	382	367	942,808
Roofing and sheet metal combined.....	5	49	59	69	69	64	63	67	71	83	88	51	56	136,067
Steel erection.....	10	763	638	725	841	1,034	1,204	1,318	1,177	1,137	1,022	791	735	2,845,761
Stonework.....	17	286	269	263	267	301	286	267	240	209	208	188	174	636,913
Marble and tiling.....	47	698	754	902	880	836	943	1,055	1,250	1,315	941	754	614	2,509,630
Wrecking.....	7	147	165	175	181	309	223	135	143	176	141	114	96	230,404
Excavating and grading.....	13	120	124	140	220	240	223	247	246	219	240	105	104	417,218
Ornamental iron.....	3	92	90	92	87	81	47	87	85	84	87	80	77	177,897
Metal work, n. o. s.....	9	314	370	372	375	416	589	700	861	674	559	592	453	1,226,734
Rental of equipment, trucking, etc.....	4	54	110	136	134	177	162	228	169	114	101	59	42	251,033
Flooring, n. o. s.....	3	103	127	165	188	178	182	150	160	160	114	121	92	359,534
Other classes ³	7	100	146	217	520	508	520	350	509	500	564	332	259	839,923
<i>Length of working week⁴</i>														
General contractors ⁴	405	19,221	19,751	22,133	25,594	27,627	29,080	30,302	31,606	29,805	28,485	27,899	22,246	51,575,471
40-hour, 5-day week.....	8	519	507	323	487	407	285	323	321	439	444	428	503	955,289
44-hour, 5½-day week.....	305	13,829	14,050	16,583	18,138	17,829	16,867	17,488	17,713	15,978	15,514	15,840	13,187	33,276,107
All other 5½-day week.....	2	99	101	72	114	130	119	132	106	115	64	87	32	116,000
48-hour, 6-day week.....	48	1,700	1,327	1,612	3,046	4,413	5,827	5,097	6,089	6,003	6,301	6,360	3,351	7,388,006
54-hour, 6-day week.....	12	577	485	657	731	900	1,137	1,227	1,034	992	764	695	466	1,531,078
60-hour, 6-day week.....	10	441	442	414	555	685	760	939	1,115	1,137	1,101	1,012	860	760,468
All other 6-day week.....	10	1,047	1,200	1,421	1,310	1,435	1,495	1,537	1,525	1,800	2,030	2,007	2,063	1,796,584
All other not designated.....	3	102	93	116	141	54	65	289	287	215	278	220	218	405,910
Not reported.....	7	907	940	1,035	1,072	1,774	2,525	2,760	3,476	3,036	1,980	1,850	1,506	5,365,871
Subcontractors.....	962	20,120	20,042	21,863	24,098	25,003	25,753	25,641	25,921	25,362	23,861	20,990	18,171	58,758,623
40-hour, 5-day week.....	152	4,044	4,113	4,969	5,057	5,489	5,293	5,115	5,136	5,038	4,142	3,441	2,842	13,143,030
All other 5-day week.....	1						14	12	10	0	0	0	7	13,355
44-hour, 5½-day week.....	728	14,134	13,848	14,507	16,223	16,245	17,008	17,448	17,715	17,216	16,742	15,239	13,547	30,009,199
40½-hour, 5½-day week.....	7	211	193	178	174	184	194	184	195	244	246	181	169	351,570
All other 5½-day week.....	7	80	79	90	116	137	118	132	128	135	132	101	73	201,388
48-hour, 6-day week.....	17	435	365	441	587	664	769	616	656	703	799	456	310	1,452,805
54-hour, 6-day week.....	17	424	511	557	638	835	921	927	1,020	910	817	769	526	1,430,269
60-hour, 6-day week.....	3	424	595	628	741	880	916	681	557	612	472	364	389	930,518
All other 6-day week.....	21	285	268	327	411	403	369	398	394	367	409	346	289	996,196
All other not designated.....	3	21	20	24	32	45	40	35	30	28	25	23	22	35,328
Not reported.....	6	59	52	82	110	115	111	93	71	99	68	61	38	194,905
PEORIA.....	62	692	729	902	1,077	1,208	1,453	1,535	1,703	1,739	1,718	1,406	1,153	2,123,768
<i>Classification of establishments</i>														
General contractors ⁴	31	430	464	611	696	786	1,023	1,100	1,225	1,227	1,207	1,006	802	1,420,146
Building.....	24	330	315	445	570	614	744	876	801	842	792	684	538	979,061
Building not specialized ⁴	15	299	280	385	497	632	658	803	816	759	706	610	481	853,808
Residential building only.....	9	31	35	60	73	82	86	73	75	83	86	74	57	126,163
Street paving and highway.....	4	93	147	165	106	144	195	176	218	228	246	155	107	323,126
Other classes ⁵	3	2	2	1	20	28	84	48	116	167	169	167	167	117,059
Subcontractors.....	31	262	265	291	381	422	430	435	478	512	511	400	351	703,612
Electrical.....	3	11	21	12	12	14	18	13	13	10	10	8	8	29,611
Heating and plumbing.....	12	124	102	106	125	129	138	132	139	170	167	147	132	192,095
Heating and piping ⁶	5	46	42	45	50	49	54	48	52	62	66	67	61	67,030
Plumbing.....	7	78	60	61	75	80	84	84	87	108	101	80	71	125,065
Painting and decorating.....	3	18	29	44	48	59	54	44	31	31	34	25	7	62,120
Plastering and lathing.....	3	29	30	34	50	61	53	53	66	60	84	67	76	209,208
Roofing and sheet-metal work.....	6	42	42	43	64	71	72	103	116	128	107	83	60	84,580
Other classes ¹⁰	4	38	41	52	82	88	95	90	113	113	109	70	68	125,998
<i>Length of working week⁴</i>														
General contractors ⁴	31	430	464	611	696	786	1,023	1,100	1,225	1,227	1,207	1,006	802	1,420,146
44-hour, 5½-day week.....	22	319	304	434	557	603	786	849	864	815	767	669	530	947,398
48-hour, 6-day week.....	2	3	3	3	23	28	82	38	105	126	148	125	123	96,163
54-hour, 6-day week.....	4	10	10	12	23	35	33	46	69	84	89	35	15	69,560
60-hour, 6-day week.....	2	98	147	162	93	120	172	162	182	172	180	148	105	287,045
All other 6-day week.....	1							5	5	30	23	20	29	19,980
Subcontractors.....	31	262	265	291	381	422	430	435	478	512	511	400	351	703,612
44-hour, 5½-day week.....	27	254	253	272	318	367	363	337	364	416	435	378	339	636,992
54-hour, 6-day week.....	1	4	8	13	16	18	22	61	43	28	29	14	8	19,252
60-hour, 6-day week.....	2	4	4	4	43	33	41	33						

CONSTRUCTION—ILLINOIS

TABLE 8.—EXPENDITURES OF REPORTING ESTABLISHMENTS: 1929

CLASSIFICATION OF ESTABLISHMENTS	Estab-lish-ments report-ing	Value of construc-tion busi-ness re-ported	PRINCIPAL ITEMS OF EXPENDITURE				OTHER ITEMS OF EXPENDITURE							
			Subcon-tract work let	Wages paid	Cost of materials	Salaries		Rent for		Interest	Contract bond pre-miums	Com-pensa-tion and liability insur-ance pre-miums	All other overhead expenses	
						Proprie-tors and firm mem-bers	Em-ploy-ees	Equip-ment	Offices, etc.					
		Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	
ILLINOIS	2,255	548,831,292	134,545,000	141,544,925	174,861,369	2,918,779	28,909,218	1,728,459	2,955,000	2,490,785	1,445,352	3,911,056	35,114,258	
Operative builders.....	15	3,070,485	2,629,000	202,565	290,262	6,000	107,378		5,000	13,892		2,644	28,036	
General contractors.....	840	340,305,243	110,832,000	72,111,275	80,134,772	1,167,835	15,728,481	1,349,536	1,501,088	1,801,454	1,254,850	2,474,186	21,000,358	
Building.....	592	225,471,217	103,046,000	45,589,020	47,720,655	808,865	8,954,930	515,548	563,884	562,103	441,509	1,431,591	6,015,733	
Building not specialized.....	437	174,035,492	78,032,000	35,214,859	38,008,353	736,819	7,345,408	347,574	525,247	470,229	416,900	1,030,974	4,310,240	
Commercial building only.....	34	36,595,507	20,124,000	7,144,663	4,650,238	30,268	902,566	150,371	72,884	17,200	18,179	313,030	1,255,504	
Manufacturing building only.....	8	3,719,018	620,000	906,020	1,730,593	13,907	302,736	5,325	18,144	3,161	3,684	35,024	139,319	
Residential building only.....	113	11,121,200	4,270,000	2,323,478	3,316,471	87,871	404,166	12,278	37,609	62,673	2,806	51,063	304,010	
Highway.....	51	14,204,532	1,342,000	3,508,216	4,807,408	69,437	868,719	51,354	38,121	94,078	140,401	152,806	1,803,068	
Bridge and culvert.....	24	10,019,747	1,149,000	2,937,138	4,053,051	24,068	577,959	56,497	518,402	439,032	68,086	134,588	728,173	
Grading.....	10	1,027,117	100,000	309,353	84,289	23,650	141,079	8,917	8,910	5,331	1,307	10,004	305,866	
Street paving.....	86	34,497,444	4,034,000	6,316,932	11,881,923	119,005	1,962,637	516,498	158,334	254,301	326,682	217,630	5,060,645	
Sewer, gas, water, conduit.....	40	14,151,667	1,576,000	4,005,921	4,324,719	10,000	922,015	140,013	56,004	167,224	125,341	157,441	1,240,700	
Dam and reservoir.....	6	1,052,360	11,000	221,674	362,392	10,370	62,798	2,560	5,669	5,511	10,345	5,822	213,290	
Dredging, river, harbor, etc.....	9	10,649,469	1,637,000	2,288,568	2,032,990		636,160	11,885	50,145	32,043	85,842	70,334	4,210,304	
Railroad.....	9	6,571,439	359,000	3,012,723	3,012,723	7,700	407,727	26,672	19,969	14,317	21,849	402,698	4,920,908	
Foundation.....	7	977,348	56,000	363,346	382,184	13,981	33,386	3,603	3,063	6,877	1,147	4,488	83,745	
Central station, light and power plant.....	12	21,592,903	3,522,000	4,596,215	10,472,438	5,069	1,192,065	9,989	30,595	210,077	20,281	193,183	833,567	
Subcontractors.....	1,994	205,455,504	5,084,000	60,231,055	85,427,335	1,744,044	13,073,359	378,923	1,388,364	675,439	190,482	1,434,225	14,079,200	
Carpentering and wood flooring.....	53	4,569,951	174,000	1,468,178	2,085,450	72,055	284,799	2,504	34,989	10,972	430	33,950	164,805	
Concreting.....	67	0,053,031	307,000	3,577,841	2,693,518	52,198	789,313	50,280	54,595	34,668	7,916	60,830	830,317	
Electrical.....	164	25,528,570	120,000	8,920,201	10,285,683	246,128	1,857,090	1,760	239,484	74,676	44,000	143,127	1,509,582	
Elevator construction.....	5	0,317,625	20,000	1,366,490	6,502,008	2,500	172,702		3,304	2,768	8,004	41,366	85,374	
Heating and plumbing.....	445	64,062,074	1,970,000	17,874,527	32,610,994	567,928	4,010,774	8,640	430,292	280,929	63,345	202,800	3,425,905	
Heating and piping.....	160	29,210,896	1,570,000	7,365,749	14,785,393	165,824	2,041,459	6,715	202,881	104,488	30,720	100,382	1,810,854	
Pipe covering.....	9	1,256,184	2,000	664,694	889,034		113,433		8,212	5,876	324	10,409	90,300	
Plumbing.....	213	24,507,316	312,000	7,375,725	12,530,560	296,865	1,285,111	1,325	163,338	94,017	25,207	96,814	1,178,019	
Plumbing and heating com-bined.....	59	4,732,376	48,000	1,264,923	2,370,311	85,859	334,345		43,225	25,509	6,912	10,000	324,062	
Automatic sprinkler systems.....	7	4,355,302	18,000	1,313,436	2,520,687	10,890	236,426		21,030	1,039	182	30,135	204,674	
Masonry.....	84	10,927,385	870,000	5,745,126	6,902,342	124,754	580,853	49,794	37,062	41,143	9,431	120,667	963,929	
Painting and decorating.....	130	14,420,904	27,000	8,188,591	2,624,104	146,583	1,362,230	3,072	162,858	45,226	5,506	130,733	986,035	
Glass and glazing.....	11	763,157	7,000	100,434	403,210	12,976	73,176		8,115	350		3,401	53,075	
Plastering and lathing.....	109	15,396,038	819,000	7,923,376	4,045,411	134,114	792,718	3,801	69,449	40,023	11,326	106,011	563,018	
Roofing and sheet-metal work.....	158	13,772,621	153,000	3,667,518	5,438,248	228,808	1,121,052	2,895	154,605	80,707	5,932	123,999	1,336,502	
Roofing.....	87	8,586,549	73,000	2,072,839	3,460,114	76,408	748,120	2,820	90,653	62,203	1,592	81,122	1,418,804	
Sheet-metal work.....	58	3,935,511	80,000	1,263,880	1,676,782	131,280	274,467	75	51,333	14,381	3,970	30,707	320,967	
Roofing and sheet metal com-bined.....	13	1,250,561	14,000	340,799	501,352	21,120	98,456		12,619	4,003		12,170	96,741	
Steel erection.....	19	6,054,559	256,000	2,600,780	911,007		495,088	44,019	24,922	26,261	24,257	213,662	850,000	
Stonework.....	21	2,201,622	28,000	743,672	308,864	42,516	201,890	12,965	34,334	5,547		13,768	187,124	
Marble and tiling.....	62	8,445,681	20,000	2,931,888	3,683,219	67,007	530,823	1,625	73,473	23,264	7,548	26,164	586,783	
Wrecking.....	5	302,523		187,801			81,668	50,274	6,720	867		3,699	63,223	
Excavating.....	22	1,036,422	100,000	603,105	58,951	14,259	144,080	106,501	20,084	17,568	400	29,871	432,245	
Ornamental iron.....	5	1,900,283	87,000	308,219	993,705	3,900	94,621		14,250	12,876		7,240	176,880	
Grading.....	4	363,021	12,000	136,637	2,819		43,700	5,810	4,272	2,187		7,262	138,885	
Street paving and highway.....	1	1,568,075		559,637	542,037	7,000	131,083	2,141	4,680	8,561		6,070	176,178	
Metal work, n. e. s.....	11	6,495,722	93,000	1,410,640	3,894,233	12,358	119,636	1,880	6,200	5,155	846	61,022	333,608	
Rental of equipment, trucking, etc.....	3	404,736	2,000	170,743	14,069		37,407	20,373	2,892	453		9,745	105,731	
Flooring, n. e. s.....	3	1,802,925		359,534	521,000	8,000	120,958		5,604	945		4,323	200,660	
Other classes.....	7	784,130	10,000	207,354	304,273	1,800	77,700	1,583	7,280	1,313	500	8,891	103,993	
CHICAGO	1,364	441,407,897	108,932,000	112,387,803	136,058,265	1,651,514	23,603,531	1,420,142	2,524,437	1,898,876	977,665	3,070,165	26,714,388	
Operative builders.....	9	2,627,822	2,495,000	96,270	151,274		100,810		2,840	5,804		1,943	18,920	
General contractors.....	410	265,980,101	101,972,000	53,218,198	64,388,152	563,610	12,531,464	1,078,133	1,383,245	1,415,672	819,076	1,831,050	15,018,490	
Building.....	302	182,379,322	90,876,000	34,312,636	33,599,641	531,319	7,478,270	477,974	544,514	382,431	303,762	1,128,019	4,707,066	
Building not specialized.....	227	136,614,297	67,972,000	25,107,347	25,685,789	448,832	6,030,064	313,014	432,245	330,701	278,344	756,052	3,144,136	
Commercial building only.....	22	36,759,688	19,050,000	7,032,494	4,520,525	30,268	871,727	149,971	68,793	14,460	18,147	308,687	1,220,760	
Manufacturing building only.....	6	3,191,583	556,000	800,020	1,438,638	13,907	267,739	5,075	17,934	3,161	3,684	32,990	129,100	
Residential building only.....	47	6,813,749	2,898,000	1,372,775	1,979,689	38,812	308,743	9,914	25,642	25,109	2,587	31,281	213,001	
Highway and grading.....	9	3,399,344	340,000	370,323	1,181,902		341,814	10,179	25,070	32,008	34,886	22,643	356,647	
Bridge and culvert.....	11	3,277,900	978,000	2,481,436	3,416,110		485,290	32,435	510,461	485,141	51,094	105,617	506,348	
Street paving.....	36	21,922,687	3,158,000	3,450,215	7,142,145	24,000	1,290,770	393,703	129,622	167,289	199,946	102,737	3,031,431	
Sewer, gas, water, conduit.....	20	10,776,985	1,032,000	3,072,227	3,349,264		728,965	112,396	48,715	145,884	101,116	117,677	855,786	
Dredging, river, harbor, etc.....	7	10,336,982	1,637,000	2,179,621	2,010,076		590,919	7,935	57,973	26,655	76,694	68,604	4,170,196	
Railroad.....	8	6,527,034	359,000	1,969,725	2,992,066	7,700	401,791	26,672	19,969	14,317	21,849	89,819	491,128	
Foundation.....	4	810,719	44,000	310,850	305,339		20,686	850	1,620	4,480		3,054	76,781	
Central station, light and power plant.....	10	21,489,188	3,520,000	4,580,165	10,421,103		1,183,962	9,989	39,404	217,517	28,894	192,880	823,078	

TABLE 8.—EXPENDITURES OF REPORTING ESTABLISHMENTS: 1929—Continued

CLASSIFICATION OF ESTABLISHMENTS	Estab-lish-ments report-ing	Value of construction busi-ness re-ported	PRINCIPAL ITEMS OF EXPENDITURE			OTHER ITEMS OF EXPENDITURE							
			Subcon-tract work	Wages paid	Cost of materials	Salaries		Rent for		Interest	Contract bond pre-miums	Com-pensa-tion and Liabil-ity insur-ance pre-miums	All other over-load expenses
						Propri-eters and firm mem-bers	Em-ploy-ees	Equip-ment	Offices, etc.				
CHICAGO—Continued													
Subcontractors—Continued.													
Plastering and lathing.....	71	12,703,816	634,000	6,717,999	3,114,715	107,665	716,796	3,251	57,232	33,280	10,941	90,063	483,116
Roofing and sheet-metal work.....	107	10,063,325	141,000	2,760,760	3,801,146	161,492	824,721	1,015	118,202	55,473	5,862	86,341	1,449,773
Roofing.....	58	6,360,557	66,000	1,585,024	2,361,695	60,488	534,397	1,540	72,408	43,633	1,502	57,513	1,142,964
Sheet-metal work.....	44	3,233,818	64,000	1,042,104	1,267,305	89,884	242,970	75	42,314	10,920	3,976	23,674	272,440
Roofing and sheet metal com-bined.....	5	468,950	11,000	139,641	172,089	11,120	47,354	-----	3,480	920	294	5,154	34,369
Steel erection.....	17	5,116,540	78,000	2,045,083	449,047	-----	448,748	44,019	24,922	22,461	24,257	208,658	800,046
Stonework.....	17	1,752,484	28,000	623,538	587,124	37,576	107,814	12,966	29,534	4,960	-----	10,960	138,841
Marble and tiling.....	43	6,791,747	27,000	2,411,198	2,938,320	44,184	403,760	1,430	64,518	14,777	6,537	20,132	432,804
Wrecking.....	5	392,523	-----	187,804	-----	-----	81,069	50,274	6,720	857	400	3,699	63,223
Excavating and grading.....	12	977,275	61,000	380,648	857	9,891	100,313	84,591	14,884	6,618	-----	20,231	254,408
Ornamental iron.....	4	1,824,200	87,000	304,100	968,913	3,900	94,621	-----	14,250	11,368	-----	7,249	149,063
Metal work, n. o. s.....	11	0,495,722	93,000	1,410,640	3,394,233	12,358	119,636	1,880	0,200	-----	183	01,022	333,508
Rental of equipment, trucking, etc.....	3	404,736	2,000	170,743	14,669	-----	37,407	26,378	2,892	453	-----	9,745	105,731
Flooring, n. o. s.....	3	1,302,925	-----	359,534	521,000	8,000	120,956	-----	5,504	945	100	4,323	209,030
Other classes.....	6	1,830,932	10,000	662,255	662,856	-----	180,891	288	10,428	4,496	-----	10,433	221,908
PEORIA.....	60	8,963,499	1,774,000	2,187,806	3,420,210	76,915	349,073	20,482	28,660	40,610	36,232	59,810	436,188
General contractors.....	27	6,523,753	1,770,000	1,379,757	2,441,646	25,502	193,589	20,457	13,084	28,243	36,050	47,145	227,683
Building.....	19	4,404,731	1,563,000	920,272	1,593,240	13,452	110,217	420	9,246	14,618	5,630	29,513	60,105
Building not specialized.....	12	3,771,357	1,287,000	812,519	1,375,304	5,562	99,653	420	6,986	8,991	5,459	24,321	40,146
Residential building only.....	7	638,374	276,000	113,753	187,942	7,900	10,564	-----	2,200	5,657	171	2,192	20,049
Street paving and highway.....	5	1,648,031	165,000	330,420	738,621	6,850	47,028	10,087	2,490	10,321	17,826	11,725	109,413
Other classes.....	3	470,991	42,000	117,050	139,779	5,200	35,444	3,960	1,348	3,304	12,594	8,907	58,075
Subcontractors.....	33	2,439,746	4,000	808,049	978,564	51,413	152,484	25	15,576	12,367	182	12,065	208,505
Electrical.....	8	113,636	-----	29,611	48,182	3,900	780	-----	2,670	2	-----	658	9,111
Heating and plumbing.....	13	816,699	-----	205,627	386,016	20,780	62,827	-----	6,725	2,798	170	4,137	94,235
Heating and piping.....	5	206,914	-----	67,030	136,376	4,420	24,075	-----	3,000	65	-----	1,977	23,543
Plumbing.....	8	548,785	-----	138,497	249,640	22,360	38,752	-----	3,065	2,738	170	2,160	40,692
Painting and decorating.....	3	116,755	-----	62,120	16,653	5,460	10,172	-----	1,600	-----	-----	1,039	4,285
Roofing and sheet-metal work.....	6	336,854	-----	84,680	147,542	8,200	37,234	-----	3,193	4,441	-----	4,203	36,040
Marble and tiling.....	3	471,872	2,000	164,223	107,991	7,073	27,400	25	-----	-----	12	824	52,801
Other classes.....	5	536,030	2,000	261,968	209,150	-----	24,011	-----	1,488	5,126	-----	1,904	41,153

- 1 Includes refuse disposal plant.
- 2 Includes levee.
- 3 Includes automatic temperature control.
- 4 Includes bridge and culvert; sewer, gas, water, conduit; dredging, river, harbor, etc.; soundproofing; and foundation.
- 5 Includes street paving; foundation; and soundproofing.
- 6 Includes operative builders.
- 7 Includes grading; sewer, gas, water, conduit; and dredging, river, harbor, etc.
- 8 Includes plumbing and heating combined.
- 9 Includes masonry; plastering and lathing; and street paving.

TABLE 9.—COST OF MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, BY KIND

KIND OF MATERIAL	COST OF MATERIALS REPORTED BY—					KIND OF MATERIAL	COST OF MATERIALS REPORTED BY—				
	All classes of estab-lishments			General con-trac-tors ²	Subcon-trac-tors		All classes of estab-lishments			General con-trac-tors ²	Subcon-trac-tors
	Amount	Per cent distribution	Per \$1,000 construction work done ¹				Amount	Per cent distribution	Per \$1,000 construction work done ¹		
ILLINOIS											
All kinds of material.....	186,270,767	-----	409.83	95,989,825	90,289,942	Distributed by kind—Continued.	-----	-----	-----	-----	
Distribution not reported.....	30,141,309	21.0	-----	25,748,617	13,392,692	Metal doors, windows, and trim.....	1,378,576	0.9	3.84	312,283	1,050,293
Distributed by kind.....	147,138,458	100.0	40.73	70,241,208	70,897,250	Metal and wire lath and furring.....	442,787	3	1.28	66,184	376,003
Sand, gravel, stone, slag, cinders, etc.	14,022,884	9.9	40.73	12,043,353	2,870,531	Ornamental metal work.....	456,144	3	1.27	278,836	176,308
Brick (face, common, fire, paving, etc.).....	6,391,606	4.3	17.80	4,638,404	1,753,202	Lumber, rough and finished.....	8,996,199	6.1	25.06	7,020,499	1,375,700
Tile (fireproofing).....	2,864,986	1.9	7.05	652,802	2,202,184	Lath, shingles, and shakes (wood).....	549,820	4	1.53	78,917	475,903
Tile, facing, terra cotta, floor, and wall.....	2,922,527	2.0	8.14	316,598	2,605,929	Millwork.....	4,120,427	2.8	11.49	3,382,788	737,639
Concrete and cinder block.....	809,389	.6	2.25	610,448	189,941	Composition board.....	731,572	.5	2.04	139,372	592,200
Cut stone, granite and marble.....	2,396,745	1.6	6.68	1,381,149	1,015,596	Waterproofing materials.....	183,670	.1	5.41	84,934	98,736
Riprap, rubble, etc.....	205,227	.1	.57	193,825	11,402	Hardware, rough and finished.....	1,387,338	9	3.86	1,165,838	221,600
Cement.....	11,026,573	7.5	30.71	9,296,542	1,730,031	Paints, varnishes, glass.....	3,704,594	2.5	10.32	281,404	3,423,155
Lime.....	808,386	.6	2.25	377,808	430,578	Roofing and sheet metal.....	4,411,403	3.0	12.29	446,937	3,964,466
Plaster, etc.....	2,094,312	1.4	5.83	159,721	1,934,591	Finished flooring (other than ce-ment, wood, or tile).....	771,487	.5	2.15	229,307	542,180
Structural steel.....	8,080,794	5.6	22.51	6,731,944	1,348,850	Screens, shades, awnings, etc.....	118,263	.1	3.33	48,187	70,076
Reinforcing steel.....	6,492,117	4.4	18.08	6,215,905	270,212	Heating and ventilating equipment.....	13,889,517	9.4	38.69	1,225,128	12,664,389
Cast iron, miscellaneous, excluding pipe.....	432,267	.3	1.20	203,900	228,367	Plumbing and gas fitting equipment.....	14,120,694	9.6	39.36	565,292	13,555,402
						Electrical appliances and supplies.....	10,975,565	7.5	30.57	1,012,526	9,963,039
						Elevators, dumb-waiters, and equipment.....	6,926,300	4.7	19.29	135,061	6,789,048

See footnotes at end of table.

CONSTRUCTION—ILLINOIS

TABLE 9.—COST OF MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, BY KIND—Continued

KIND OF MATERIAL	COST OF MATERIALS REPORTED BY—				KIND OF MATERIAL	COST OF MATERIALS REPORTED BY—					
	All classes of establishments			General contractors ²		Subcontractors	All classes of establishments			General contractors ²	Subcontractors
	Amount	Per cent distribution	Per \$1,000 construction work done ¹				Amount	Per cent distribution	Per \$1,000 construction work done ¹		
ILLINOIS—Continued				CHICAGO—Continued							
Distributed by kind—Continued.				Distributed by kind—Continued.							
Pipe: Drain tile, vitrified, concrete, segment tile, corrugated	Dollars		Dollars	Dollars	Dollars		Dollars	Dollars	Dollars	Dollars	
Pipe: Cast-iron, sheet and tube steel, etc.	1,811,124	1.2	5.05	1,642,831	168,293		164,197	0.57	122,180	42,017	
Wire cable, guards, and fencing	2,607,082	1.8	7.26	1,723,791	883,291		135,229	1.1	135,229		
Bituminous paving materials, tar, asphalt, and oil	112,670	.1	.32	89,735	22,935		2,287,027	1.9	7.89	2,273,238	
Wood piling and timber	2,225,414	1.5	6.20	2,078,080	147,334		44,783	(*)	15	32,283	
Ready-mixed concrete	179,674	.1	.50	131,100	48,574		629	(*)		629	
Machinery	135,229	.1	.38	135,229			34,660	(*)	.12	13,069	
Freight, hauling or trucking to job	2,440,011	1.7	6.79	2,425,322	14,689		3,174,506	2.7	10.94	605,159	
Cast forms, beads, etc.	67,346	(*)	.19	51,387	15,959		6,929	(*)	.02	5,225	
Chemicals and chemical products	629	(*)	(*)	52,336	21,601		26,060	(*)	.09	25,392	
Metal products, n. e. s. (including metal furniture)	73,937	.1	.20				48,825	(*)	.17	48,825	
Mineral products (nonmetallic) n. e. s.	3,233,722	2.2	0.01	614,504	2,619,218		1,587,784	1.3	5.47	1,140,366	
Sealing materials	15,572	(*)	.05	12,718	2,854						
Textiles and calking materials	20,129	(*)	.08	28,461	668						
Miscellaneous	51,102	(*)	.14	100	51,002						
	1,846,674	1.3	5.14	1,355,122	491,552						
CHICAGO				PEORIA							
All kinds of material	143,441,412		406.66	67,847,861	76,593,551		3,597,527		474.04	2,418,963	
Distribution not reported	25,459,914	17.7		16,501,107	8,988,807		764,911	21.0		527,526	
Distributed by kind	117,981,498	100.0		51,346,754	65,634,744		2,842,616	100.0		2,091,437	
Sand, gravel, stone, slag, cinders, etc.	9,831,003	8.3	33.89	7,598,244	2,232,759		563,014	19.8	93.89	494,347	
Brick (face, common, fire, paving, etc.)	5,084,609	4.3	17.53	3,511,001	1,573,608		208,714	7.3	34.80	204,692	
Tile (fireproofing)	2,684,498	2.3	9.25	487,263	2,197,235		23,706	8.3	3.95	4,022	
Tile, facing, terra cotta, floor, and wall	2,425,779	2.1	8.36	167,831	2,257,948		67,886	2.4	11.32	15,451	
Concrete and cinder block	538,504	.5	1.85	439,496	99,008		13,495	5.2	2.25	8,661	
Out stone, granite and marble	1,681,388	1.4	5.79	880,171	801,217		123,980	4.4	20.67	66,293	
Riprap, rubble, etc.	130,334	.1	.45	126,486	3,848		40,000	1.4	6.67	40,000	
Cement	7,644,882	6.5	26.35	6,122,224	1,522,658		381,603	13.4	63.64	382,217	
Lime	602,038	.5	2.08	273,020	329,018		25,491	9.4	4.25	11,791	
Plaster, etc.	1,617,941	1.4	5.58	83,185	1,534,756		68,529	2.4	11.43	1,964	
Structural steel	6,623,465	5.6	22.83	5,763,993	860,372		120,903	4.6	21.68	129,528	
Reinforcing steel	5,250,356	4.5	18.10	5,002,019	248,337		143,962	5.1	24.00	135,168	
Cast iron, miscellaneous, excluding pipe	347,661	.3	1.20	123,955	223,706		4,538	2.2	.76	4,538	
Metal doors, windows, and trim	1,227,152	1.0	4.23	163,852	1,063,300		44,088	1.6	7.35	44,088	
Metal and wire lath and furring	319,873	.3	1.10	32,349	287,524		23,105	8.3	3.85	553	
Ornamental metal work	339,218	.3	1.17	165,774	173,444		32,873	1.2	5.48	32,800	
Lumber, rough and finished	6,706,034	5.8	23.42	5,473,410	1,332,624		188,002	6.6	31.35	187,062	
Lath, shingles, and shakes (wood)	360,680	.3	1.27	38,538	321,142		9,435	3.3	1.67	2,406	
Millwork	2,822,925	2.4	9.73	2,107,720	715,205		122,638	4.3	20.45	122,638	
Composition board	605,355	.5	2.09	60,105	536,752		7,052	2.2	1.18	5,082	
Waterproofing materials	150,442	.1	.52	53,504	96,938		3,207	1.1	.54	2,707	
Hardware, rough and finished	1,047,250	.9	3.61	837,240	210,010		50,028	1.8	8.34	49,412	
Paints, varnishes, glass	2,955,137	2.5	10.19	1,65,840	2,789,297		19,998	7.3	3.34	165	
Roofing and sheet metal	2,887,642	2.4	9.90	282,358	2,605,284		127,653	4.5	21.29	11,362	
Finished flooring (other than cement, wood, or tile)	645,805	.5	2.22	121,583	524,222		7,240	3.3	1.21	7,240	
Screens, shades, awnings, etc.	100,047	.1	.35	30,721	69,326		1,043	(*)	.18	1,043	
Heating and ventilating equipment	12,062,667	10.2	41.58	1,106,105	10,956,562		62,308	2.2	10.39	2,426	
Plumbing and gas fitting equipment	12,002,766	10.2	41.37	882,419	11,620,347		119,914	4.2	20.00	581	
Electrical appliances and supplies	9,518,527	8.1	32.81	916,549	8,601,978		49,371	1.7	8.23	1,189	
Elevators, dumb-waiters, and equipment	6,724,534	5.7	23.18	114,886	6,609,648		685	(*)	.11	685	
Pipe: Drain tile, vitrified, concrete, segment tile, corrugated	1,073,367	.9	3.70	977,541	95,826		128,667	4.5	21.46	119,816	
Pipe: Cast-iron, sheet and tube steel, etc.	2,346,683	2.0	8.09	1,509,945	836,738		9,225	.3	1.54	6,425	
Wire cable, guards, and fencing	82,169	.1	.28	59,309	22,860		2,225	.1	.37	2,225	
Bituminous paving materials, tar, asphalt, and oil	1,929,038	1.6	6.66	1,800,487	128,551		10,434	.4	1.74	7,821	
							1,076	(*)	.18	1,076	
							11,400	.4	1.90	11,400	
							7,400	.3	1.23	100	
							8,693	.3	1.45	1,925	

¹ The value of construction work done is obtained from figures presented in Table 1, by subtracting the value of subcontract work let from the total value of construction business.
² Includes operative builders.
³ The percentage of total cost shown for this item is high because establishments located within this area reported that the large part of their construction work (on which this material was used) was done on contracts outside this area.
⁴ Less than one-tenth of 1 per cent.
⁵ Less than 1 cent.

TABLE 10.—COMPARISON OF COST OF DESIGNATED MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, WITH COST OF MATERIALS AND VALUE OF CONSTRUCTION BUSINESS

[Based exclusively upon reports of establishments which gave the distributed cost of materials]

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹		
	Cost of all materials distributed by kind	Amount	Per cent of—					Cost of all materials distributed	Cost of all materials distributed by kind	Amount	Per cent of—			Cost of all materials distributed	
			Total cost	Cost of all materials distributed							Total cost				Cost of all materials distributed
ILLINOIS						ILLINOIS—Continued									
<i>Sand, gravel, stone, slag, cinders, etc.¹</i>						<i>Brick (face, common, fire, paving, etc.)—Continued</i>									
All classes.....	Dollars 147,138,458	Dollars 14,022,884	100.0	6.9	Dollars 437,811,040	77.2	Subcontractors—Continued.								
General contractors ²	\$ 70,241,208	12,043,353	82.4	17.1	\$ 250,029,228	65.1	Plastering and lathing.....								
Building.....	33,711,158	3,813,363	26.1	11.3	159,263,880	53.4	Roofing and sheet-metal work.....								
Building not specialized ³	25,572,405	2,973,210	20.3	11.0	114,731,090	54.2	Sheet-metal work.....								
Commercial building only.....	4,127,269	578,170	4.0	14.0	33,228,557	45.1	Marble and tiling.....								
Manufacturing building only.....	1,542,613	157,798	1.1	10.2	3,214,825	83.0	Highway.....								
Residential building only.....	2,468,871	104,179	.7	4.2	8,079,408	56.1	Street paving.....								
Highway.....	4,216,867	2,519,190	17.2	59.7	13,730,091	90.0	Rental of equipment, trucking, etc.....								
Bridge and culvert.....	3,150,321	431,184	2.9	13.7	8,146,400	88.8	<i>Tile (fireproofing)</i>								
Grading.....	67,698	34,700	.2	51.4	730,259	88.5	All classes.....								
Street paving.....	10,776,010	3,812,700	26.1	35.4	32,081,566	89.0	General contractors ²								
Sewer, gas, water, conduit.....	2,732,306	258,210	1.8	9.5	8,978,809	89.0	Building.....								
Dam and reservoir.....	256,952	7,842	.1	2.9	628,851	99.1	Building not specialized ³								
Dredging, river, harbor, etc.....	2,003,294	165,897	1.1	8.3	8,825,733	84.3	Commercial building only.....								
Railroad.....	2,984,470	320,040	2.2	10.7	6,293,002	94.0	Residential building only.....								
Foundation.....	304,439	130,756	.9	42.9	693,641	94.4	Highway.....								
Central station, light and power plant.....	9,776,223	510,165	3.5	5.2	18,477,173	84.5	Bridge and culvert.....								
Refuse disposal plant.....	231,774	39,680	.3	17.1	987,805	91.3	Street paving.....								
Subcontractors.....	\$ 76,897,250	2,579,531	17.0	3.4	\$ 178,781,812	97.0	Foundation.....								
Carpentering and wood flooring.....	2,088,478	2,175	(⁹)	.1	4,499,125	96.3	Central station, light and power plant.....								
Concreting.....	2,552,934	1,146,422	7.8	44.9	7,798,019	96.7	Subcontractors.....								
Electrical.....	10,490,105	25,923	.2	2.2	24,913,826	99.0	Carpentering and wood flooring.....								
Heating and plumbing.....	\$ 27,175,576	7,163	(⁹)	.1	\$ 52,019,256	97.1	Concreting.....								
Heating and piping.....	11,464,463	601	(⁹)	(⁹)	22,000,668	94.0	Heating and plumbing.....								
Plumbing.....	11,842,262	6,662	(⁹)	.1	23,124,945	98.8	Plumbing.....								
Masonry.....	6,192,872	565,601	3.9	9.1	15,116,957	95.1	Masonry.....								
Plastering and lathing.....	3,367,532	208,020	1.8	8.0	13,395,693	95.0	Plastering and lathing.....								
Roofing and sheet-metal work.....	4,524,074	28,269	.2	.0	11,750,586	98.9	Roofing and sheet-metal work.....								
Roofing.....	2,804,642	22,960	.2	.8	7,563,098	99.2	Roofing and sheet-metal work combined.....								
Sheet-metal work.....	1,104,352	2,017	(⁹)	.2	2,958,313	98.4	Marble and tiling.....								
Roofing and sheet metal combined.....	495,080	1,292	(⁹)	.3	1,229,175	98.8	Excavating.....								
Marble and tiling.....	3,399,100	246,317	1.7	7.2	7,924,077	99.0	Highway.....								
Excavating.....	68,951	17,411	.1	29.5	325,332	94.4	Bridge and culvert.....								
Highway.....	20,578	15,418	.1	74.9	74,148	100.0	Grading.....								
Bridge and culvert.....	19,824	4,267	(⁹)	21.5	62,767	100.0	Street paving.....								
Grading.....	2,819	2,819	(⁹)	100.0	155,400	97.4	Sewer, gas, water, conduit.....								
Street paving.....	504,659	208,614	1.4	41.3	1,461,927	100.0	Dredging, river, harbor, etc.....								
Sewer, gas, water, conduit.....	11,125	1,000	(⁹)	9.0	60,000	90.3	Soundproofing.....								
Dredging, river, harbor, etc.....	34,010	750	(⁹)	2.2	64,478	100.0	Foundation.....								
Soundproofing.....	76,449	300	(⁹)	.4	200,178	99.0	Rental of equipment, trucking, etc.....								
Foundation.....	113,469	35,195	.2	31.0	666,023	98.4	All classes.....								
Rental of equipment, trucking, etc.....	42,440	5,871	(⁹)	13.8	324,545	98.3	General contractors ²								
<i>Brick (face, common, fire, paving, etc.)</i>							<i>Brick (face, common, fire, paving, etc.)</i>								
All classes.....	147,138,458	6,391,000	100.0	4.3	437,811,040	77.2	Building.....								
General contractors ²	\$ 70,241,208	4,638,404	72.6	6.6	\$ 250,029,228	65.1	Building not specialized ³								
Building.....	33,711,158	4,180,507	65.4	12.4	159,263,880	53.4	Commercial building only.....								
Building not specialized ³	25,572,405	3,242,757	50.7	12.7	114,731,090	54.2	Manufacturing building only.....								
Commercial building only.....	4,127,269	510,276	8.1	12.5	33,228,557	45.1	Residential building only.....								
Manufacturing building only.....	1,542,613	82,744	1.3	5.4	3,214,825	83.6	Highway.....								
Residential building only.....	2,468,871	338,730	5.3	13.7	8,079,408	56.1	Bridge and culvert.....								
Highway.....	4,216,867	8,034	.1	.2	13,730,091	90.0	Grading.....								
Bridge and culvert.....	3,150,321	20,488	.3	.7	8,146,400	88.8	Street paving.....								
Grading.....	67,698	26	(⁹)	(⁹)	730,259	88.5	Sewer, gas, water, conduit.....								
Street paving.....	10,776,010	141,603	2.2	1.3	32,081,566	89.0	Dam and reservoir.....								
Sewer, gas, water, conduit.....	2,732,306	135,844	2.1	5.0	8,978,809	89.0	Railroad.....								
Dam and reservoir.....	256,952	150	(⁹)	.1	628,851	99.1	Foundation.....								
Railroad.....	2,984,470	16,962	.3	.6	6,293,002	94.0	Central station, light and power plant.....								
Foundation.....	304,439	46,025	.7	15.1	693,641	94.4	Refuse disposal plant.....								
Central station, light and power plant.....	9,776,223	87,817	1.4	.9	18,477,173	84.5	Subcontractors.....								
Refuse disposal plant.....	231,774	948	(⁹)	.4	987,805	91.3	Carpentering and wood flooring.....								
Subcontractors.....	\$ 76,897,250	1,753,202	27.4	2.3	\$ 178,781,812	97.0	Concreting.....								
Carpentering and wood flooring.....	2,088,478	6,894	.1	.3	4,499,125	96.3	Electrical.....								
Concreting.....	2,552,934	40,759	.6	1.6	7,798,019	96.7	Heating and plumbing.....								
Electrical.....	10,490,105	100	(⁹)	(⁹)	24,913,826	99.0	Heating and piping.....								
Heating and plumbing.....	\$ 27,175,576	2,224	(⁹)	(⁹)	\$ 52,019,256	97.1	Masonry.....								
Heating and piping.....	11,464,463	2,224	(⁹)	(⁹)	22,000,668	94.9	All classes.....								
Masonry.....	6,192,872	1,547,832	24.2	25.0	15,116,957	95.1	General contractors.....								
						General contractors.....									
						Building.....									
						Building not specialized.....									
						Commercial building only.....									
						Manufacturing building only.....									
						Residential building only.....									
						Highway.....									
						Bridge and culvert.....									
						Cut stone, granite and marble									
						All classes.....									
						General contractors.....									
						Building.....									
						Building not specialized.....									
						Commercial building only.....									
						Manufacturing building only.....									
						Residential building only.....									
						Highway.....									
						Bridge and culvert.....									

See footnotes at end of table.

CONSTRUCTION—ILLINOIS

TABLE 10.—COMPARISON OF COST OF DESIGNATED MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, WITH COST OF MATERIALS AND VALUE OF CONSTRUCTION BUSINESS—Continued

[Based exclusively upon reports of establishments which gave the distributed cost of materials]

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force		
	Cost of all materials distributed by kind	Amount		Per cent of —				Cost of all distributed materials	Cost of all materials distributed by kind	Amount				Per cent of —	Cost of all distributed materials
		Dollars	Per cent							Dollars	Per cent				
ILLINOIS—Continued						ILLINOIS—Continued									
<i>Cut stone, granite and marble—Continued</i>						<i>Plaster, etc.—Continued</i>									
General contractors—Contd.	Dollars	Dollars	1.4	0.3	Dollars	80.0	Subcontractors—Continued.	Dollars	Dollars	74.8	46.5	Dollars	95.0		
Street paving	10,779,010	32,687	0.3	22.8	32,081,566	100.0	Plastering and lathing	3,367,532	1,566,231	46.5	13,395,693	95.0			
Levee	29,096	6,782	23.0	22.8	190,018	100.0	Roofting and sheet-metal work	4,524,074	425	(°)	(°)	11,750,586	98.0		
Railroad	2,984,470	109,795	4.0	3.7	6,298,002	94.6	Roofting	2,864,642	125	(°)	(°)	7,563,098	99.2		
Central station, light and power plant	9,776,223	2,000	.1	(°)	18,477,173	84.5	Sheet-metal work	1,104,352	300	(°)	(°)	2,958,313	98.4		
Subcontractors	76,897,250	1,015,596	42.4	1.3	178,781,812	97.6	Stonework	647,723	1,180	.1	.2	1,559,800	98.8		
Carpentering and wood flooring	2,088,478	1,400	.1	.1	4,499,125	96.3	Marble and tiling	3,399,100	7,687	.4	.2	7,924,077	99.6		
Concreting	2,552,934	8,100	.3	.3	7,798,019	96.7	Structural steel								
Masonry	6,192,872	125,547	5.2	2.0	15,116,957	95.1	All classes	147,138,458	8,080,794	100.0	5.5	437,811,040	77.2		
Stonework	647,723	571,765	23.9	88.3	1,559,800	98.8	General contractors	70,241,208	0,731,944	83.3	0.6	259,029,228	65.1		
Marble and tiling	3,899,100	292,734	12.2	8.0	7,924,077	90.6	Building	33,711,158	1,534,125	19.0	4.6	159,253,880	53.4		
Street paving	504,659	10,050	.7	3.2	1,461,927	100.0	Building not specialized	25,572,405	1,004,631	13.2	4.2	114,731,090	54.2		
Cement							Commercial building only	4,127,269	136,335	1.7	3.3	33,228,557	45.1		
All classes	147,138,458	11,026,573	100.0	7.5	437,811,040	77.2	Manufacturing building only	1,542,613	290,280	3.6	18.8	3,214,825	83.6		
General contractors	70,241,208	0,296,542	84.3	13.2	259,029,228	66.1	Residential building only	2,468,871	42,870	.5	1.7	8,079,408	50.1		
Building	33,711,158	4,150,210	37.6	12.3	159,253,880	53.4	Highway	4,216,867	61,290	.8	1.5	13,730,091	90.0		
Building not specialized	25,572,405	3,127,633	28.4	12.2	114,731,090	54.2	Bridge and culvert	3,150,321	1,204,698	15.7	40.1	8,146,400	88.8		
Commercial building only	4,127,269	787,508	7.1	10.1	33,228,557	45.1	Street paving	10,776,010	15,992	.2	.1	32,081,569	89.0		
Manufacturing building only	1,542,613	171,167	1.6	11.1	3,214,825	83.6	Sewer, gas, water, conduit	2,732,306	82,726	1.0	3.0	8,078,809	99.0		
Residential building only	2,468,871	63,852	.6	2.6	8,079,408	56.1	Dam and reservoir	256,952	18,453	.2	7.2	628,851	99.1		
Highway	4,216,867	883,724	8.0	21.0	13,730,091	90.0	Dredging, river, harbor, etc.	2,003,294	573,321	7.1	28.6	8,825,733	84.3		
Bridge and culvert	3,150,321	323,700	2.9	10.3	8,146,400	88.8	Levee	29,696	269	(°)	.9	196,018	100.0		
Grading	67,698	930	(°)	1.4	736,259	88.5	Railroad	2,984,470	1,613,671	20.0	54.1	6,293,002	94.6		
Street paving	10,776,010	3,129,907	28.4	29.0	32,081,566	89.0	Central station, light and power plant	9,776,223	1,548,999	19.2	15.8	18,477,173	84.5		
Sewer, gas, water, conduit	2,732,306	182,054	1.7	6.7	8,978,809	89.0	Refuse disposal plant	231,774	18,400	2.2	7.9	987,805	91.3		
Dam and reservoir	256,952	4,100	(°)	1.6	628,851	99.1	Subcontractors	76,897,250	1,348,850	16.7	1.8	178,781,812	97.6		
Dredging, river, harbor, etc.	2,003,294	186,496	1.7	9.3	8,825,733	84.3	Carpentering and wood flooring	2,088,478	6,833	.1	.3	4,409,125	96.3		
Levee	29,696	116,885	1.1	3.9	6,298,002	94.6	Concreting	2,552,934	18,616	.2	.7	7,798,019	96.7		
Railroad	2,984,470	86,900	.8	28.5	693,641	94.4	Electrical	10,490,105	3,121	(°)	(°)	24,913,826	99.6		
Foundation	304,439	80,900	8.0	26.5	693,641	94.4	Heating and plumbing	27,175,576	5,340	.1	(°)	52,910,256	97.1		
Central station, light and power plant	9,776,223	182,011	1.7	1.9	18,477,173	84.5	Heating and piping	11,464,463	4,890	.1	(°)	22,000,668	94.9		
Refuse disposal plant	231,774	49,625	.5	21.4	987,805	91.3	Plumbing	11,842,262	450	(°)	(°)	23,124,945	98.8		
Subcontractors	76,897,250	1,730,031	15.7	2.2	178,781,812	97.6	Masonry	6,192,872	263,648	3.3	4.3	15,116,957	95.1		
Carpentering and wood flooring	2,088,478	340	(°)	(°)	4,499,125	96.3	Plastering and lathing	3,367,532	812	(°)	(°)	13,395,693	95.0		
Concreting	2,552,934	926,955	8.4	36.3	7,798,019	96.7	Steel erection	881,689	843,651	10.4	95.7	2,147,355	95.9		
Electrical	10,490,105	5,260	(°)	.1	24,913,826	99.6	Bridge and culvert	10,824	3,080	(°)	15.6	62,757	100.0		
Heating and plumbing	27,175,576	10,832	.1	(°)	52,910,256	97.1	Soundproofing	76,449	416	(°)	.5	200,178	98.0		
Heating and piping	11,464,463	2,120	(°)	(°)	22,000,668	94.9	Metal work, n. e. s.	3,800,850	199,799	2.5	5.2	6,304,861	98.6		
Plumbing	11,842,262	8,762	.1	.1	23,124,945	98.8	Rental of equipment, trucking, etc.	42,440	3,555	(°)	8.4	324,546	98.3		
Masonry	6,192,872	223,250	2.0	3.6	15,116,957	95.1	Reinforcing steel								
Painting and decorating	2,613,665	34	(°)	(°)	14,472,977	92.8	All classes	147,138,458	6,492,117	100.0	4.4	437,811,040	77.2		
Plastering and lathing	3,367,532	120,062	1.1	3.6	13,395,693	95.0	General contractors	70,008,694	0,215,905	95.7	8.9	258,480,539	65.6		
Roofting and sheet-metal work	4,524,074	7,563	.1	.2	11,750,586	98.9	Building	33,478,644	2,023,920	31.2	6.0	168,705,191	54.0		
Roofting	2,864,642	7,043	.1	.2	7,563,098	98.2	Building not specialized	25,339,891	1,528,234	23.5	6.0	114,182,401	55.0		
Sheet-metal work	1,104,352	520	(°)	(°)	2,958,313	98.4	Commercial building only	4,127,269	387,642	5.2	8.2	33,228,557	45.1		
Marble and tiling	3,899,100	107,229	1.8	5.8	7,924,077	99.6	Manufacturing building only	1,542,613	143,296	2.2	9.3	3,214,825	83.6		
Highway	20,678	160	(°)	.8	74,148	100.0	Residential building only	2,468,871	14,748	.2	.6	8,079,408	50.1		
Bridge and culvert	19,824	551	(°)	2.8	8,146,400	88.8	Highway	4,216,867	369,266	5.7	8.8	13,730,091	90.0		
Street paving	504,659	232,377	2.1	46.0	1,461,927	100.0	Bridge and culvert	3,150,321	310,914	4.8	9.9	8,146,400	88.8		
Sewer, gas, water, conduit	11,125	1,325	(°)	11.9	64,478	100.0	Grading	67,698	13,368	2.2	19.7	780,259	88.5		
Dredging, river, harbor, etc.	34,010	900	(°)	2.8	200,178	98.0	Street paving	10,776,010	470,614	7.2	4.4	32,081,569	89.0		
Soundproofing	76,449	900	(°)	1.2	200,178	98.0	Sewer, gas, water, conduit	2,732,306	24,134	.4	.9	8,078,809	89.0		
Rental of equipment, trucking, etc.	42,440	2,177	(°)	5.1	324,546	98.3	Dam and reservoir	256,952	4,997	.1	1.9	628,851	99.1		
Plaster, etc.							Dredging, river, harbor, etc.	2,003,294	59,616	.9	3.0	8,825,733	84.3		
All classes	147,138,458	2,004,312	100.0	1.4	437,811,040	77.2	Railroad	2,984,470	299,647	4.6	10.0	6,293,002	94.6		
General contractors	70,241,208	150,721	7.6	.2	259,029,228	65.1	Foundation	304,439	19,268	.3	6.3	693,641	94.4		
Building	33,711,158	159,421	7.6	.5	159,253,880	53.4	Central station, light and power plant	9,776,223	2,563,059	39.5	26.2	18,477,173	84.5		
Building not specialized	25,572,405	122,098	5.8	.5	114,731,090	54.2	Refuse disposal plant	231,774	57,302	24.7	24.7	987,805	91.3		
Commercial building only	4,127,269	22,491	1.1	.5	33,228,557	45.1	Subcontractors	76,897,250	270,212	4.3	.4	178,781,812	97.6		
Manufacturing building only	1,542,613	160	(°)	.8	74,148	100.0	Carpentering and wood flooring	2,088,478	125,785	1.9	4.9	7,798,019	96.7		
Residential building only	2,468,871	14,832	.7	.5	8,079,408	50.1	Concreting	2,552,934	110	(°)	(°)	7,798,019	96.7		
Bridge and culvert	3,150,321	300	(°)	(°)	8,146,400	88.8	Electrical	10,490,105	110	(°)	(°)	24,913,826	99.6		
Subcontractors	76,897,250	1,934,591	92.4	2.5	178,781,812	97.6	Heating and plumbing	27,175,576	150	(°)	(°)	52,910,256	97.1		
Carpentering and wood flooring	2,088,478	2,111	.1	.1	4,499,125	96.3	Plumbing	11,842,262	150	(°)	(°)	23,124,945	98.8		
Concreting	2,552,934	4,524	.2	.2	7,798,019	96.7	Masonry	6,192,872	120,510	1.9	2.0	15,116,957	95.1		
Heating and plumbing	27,175,576	9,095	.4	(°)	52,910,256	97.1	Marble and tiling	3,899,100	1,208	(°)	(°)	7,924,077	99.6		
Heating and piping	11,842,262	9,005	.4	.1	23,124,945	98.8	Excavating	58,951	1,100	(°)	1.9	325,332	94.4		
Plumbing	11,842,262	9,005	.4	.1	23,124,945	98.8	Bridge and culvert	19,824	5,844	.1	29.5	62,757	100.0		
Masonry	6,192,872	342,363	16.3	5.5	15,116,957	95.1	Street paving	504,659	11,668	.2	2.3	1,461,927	100.0		
Painting and decorating	2,613,665	975	(°)	(°)	14,472,977	90.8	Dredging, river, harbor, etc.								
							Foundation	304,439	611	(°)	1.8	64,478	100.0		
									3,226	(°)	2.8	603,023	99.4		

See footnotes at end of table.

CONSTRUCTION—ILLINOIS

TABLE 10.—COMPARISON OF COST OF DESIGNATED MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, WITH COST OF MATERIALS AND VALUE OF CONSTRUCTION BUSINESS—Continued

[Based exclusively upon reports of establishments which gave the distributed cost of materials]

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹		
	Cost of all materials distributed by kind	Amount		Per cent of —				Cost of all distributed materials	Cost of all materials distributed by kind	Amount				Per cent of —	Cost of all distributed materials
		Dollars	Per cent							Dollars	Per cent				
ILLINOIS—Continued						ILLINOIS—Continued									
Lumber, rough and finished						Paints, varnishes, glass—Continued									
All classes.....	147,138,458	8,996,199	100.0	6.1	437,811,040	77.2	General contractors—Contd.	Dollars	Dollars	(%)	(%)	Dollars	90.0		
General contractors ³	70,241,208	7,620,499	84.7	10.8	250,029,228	65.1	Highway.....	4,216,807	928	0.02	1.4	13,730,091	88.8		
Building.....	33,711,158	6,178,453	68.7	18.3	150,253,880	53.4	Bridge and culvert.....	3,150,321	42,006	1.3	1.4	8,146,400	88.8		
Building not specialized ³	25,672,405	4,644,536	51.6	18.2	114,731,090	54.2	Grading.....	67,698	77	0.001	1.1	736,259	88.0		
Commercial building only.....	4,127,269	631,909	7.0	15.3	33,228,557	45.1	Street paving.....	10,776,010	103	0.001	0.1	32,081,506	89.0		
Manufacturing building only.....	1,542,613	151,349	1.7	9.8	3,214,825	83.6	Sewer, gas, water, conduit.....	2,732,306	3,025	0.1	0.1	8,978,809	89.0		
Residential building only.....	2,468,871	750,659	8.3	30.4	8,079,408	56.1	Dam and reservoir.....	256,952	125	0.05	0.1	628,851	99.1		
Highway.....	4,216,807	58,216	0.6	1.4	13,730,091	90.0	Central station, light and power plant.....	9,776,223	9,012	0.2	1	18,477,173	84.5		
Bridge and culvert.....	3,150,321	230,539	2.6	7.3	8,146,400	88.8	Subcontractors.....	476,897,250	3,423,155	02.4	4.5	178,781,812	97.6		
Grading.....	67,698	1,436	0.002	2.1	730,259	88.5	Carpentering and wood flooring.....	2,088,478	28,026	0.8	1.4	4,499,125	96.3		
Street paving.....	10,776,010	85,710	1.0	8	32,081,506	89.0	Concreting.....	2,552,934	1,390	0.05	1	7,798,019	96.7		
Sewer, gas, water, conduit.....	2,732,306	110,839	1.2	4.1	8,978,809	89.0	Electrical.....	10,400,105	1,376	0.01	0.1	24,913,826	99.6		
Dam and reservoir.....	256,952	6,883	1	2.7	628,851	99.1	Heating and plumbing.....	27,175,576	1,722	0.006	0.1	52,919,256	97.1		
Dredging, river, harbor, etc.....	2,003,204	283,619	3.2	14.2	8,825,733	84.3	Heating and piping.....	11,404,463	1,400	0.01	0.1	22,000,668	94.9		
Levee.....	29,006	2,932	0.01	9.9	190,018	100.0	Plumbing.....	11,842,262	202	0.002	0.1	23,124,945	98.8		
Railroad.....	2,984,470	171,692	1.9	5.8	6,293,002	94.0	Masonry.....	6,192,872	4,409	0.07	1	16,110,957	95.1		
Foundation.....	304,439	7,827	1	2.6	693,641	94.4	Painting and decorating.....	2,613,605	2,610,512	70.5	09.9	14,472,977	99.8		
Central station, light and power plant.....	9,776,223	476,024	5.3	4.9	18,477,173	84.5	Glass and glazing.....	757,115	741,547	20.0	97.9	1,609,752	99.5		
Refuse disposal plant.....	231,774	6,329	1	2.7	987,805	91.3	Plastering and lathing.....	3,367,532	12,553	0.3	4	13,895,693	95.0		
Subcontractors.....	476,897,250	1,375,700	15.3	1.8	178,781,812	97.6	Roofing and sheet-metal work.....	4,524,074	11,289	0.3	2	11,750,560	98.9		
Carpentering and wood flooring.....	2,088,478	1,157,532	12.9	55.4	4,499,125	96.3	Roofing.....	2,864,642	2,162	0.1	1	7,563,098	99.2		
Concreting.....	2,552,934	88,490	1.0	3.5	7,798,019	90.7	Sheet-metal work.....	1,164,352	8,985	0.2	8	2,958,313	98.4		
Electrical.....	10,400,105	5,659	0.05	1	24,913,826	97.1	Roofing and sheet metal combined.....	495,080	139	0.03	0.1	1,229,175	98.8		
Heating and plumbing.....	27,175,576	1,400	0.005	0.1	52,919,256	99.0	Marble and tiling.....	3,399,100	9,335	0.3	3	7,924,077	99.6		
Heating and piping.....	11,404,463	690	0.006	0.1	22,000,668	94.9	Excavating.....	58,051	878	0.01	1.5	62,767	100.0		
Plumbing.....	11,842,262	770	0.007	0.1	23,124,945	98.8	Bridge and culvert.....	10,824	2,412	0.02	12.2	62,767	100.0		
Masonry.....	6,192,872	73,611	0.8	1.2	15,110,957	95.1	Street paving.....	504,659	5,344	1	1.1	1,461,927	100.0		
Painting and decorating.....	2,613,605	1,744	0.006	0.1	14,472,977	99.8	Sewer, gas, water, conduit.....	11,125	200	0.002	1.8	60,000	90.3		
Plastering and lathing.....	3,367,532	8,880	0.02	0.3	13,895,693	95.0	Dredging, river, harbor, etc.....	34,010	11,000	0.03	32.3	64,478	100.0		
Roofing and sheet-metal work.....	4,524,074	4,165	0.09	1	11,750,560	98.9	Soundproofing.....	76,449	492	0.006	0.6	200,178	98.0		
Roofing.....	2,864,642	3,201	0.01	1	7,563,098	99.2	Rental of equipment, trucking, etc.....	42,440	14,583	0.2	34.4	324,545	98.3		
Sheet-metal work.....	1,164,352	615	0.05	1	2,958,313	98.4	Millwork								
Roofing and sheet metal combined.....	495,080	349	0.07	7	1,229,175	98.8	All classes.....	147,138,458	4,120,427	100.0	2.8	437,811,040	77.2		
Marble and tiling.....	3,399,100	250	0.007	0.1	7,924,077	99.6	General contractors ³	70,241,208	3,382,788	82.1	4.8	250,029,228	65.1		
Excavating.....	58,051	878	0.01	1.5	62,767	100.0	Building.....	33,711,158	3,347,241	81.2	9.9	150,253,880	53.4		
Bridge and culvert.....	10,824	2,412	0.02	12.2	62,767	100.0	Building not specialized ³	25,672,405	2,583,533	62.7	10.1	114,731,090	54.2		
Street paving.....	504,659	5,344	1	1.1	1,461,927	100.0	Commercial building only.....	4,127,269	187,578	4.6	4.5	33,228,557	45.1		
Sewer, gas, water, conduit.....	11,125	200	0.002	1.8	60,000	90.3	Manufacturing building only.....	1,542,613	10,142	0.2	7	3,214,825	83.6		
Dredging, river, harbor, etc.....	34,010	11,000	0.03	32.3	64,478	100.0	Residential building only.....	2,468,871	565,988	13.7	22.9	8,079,408	56.1		
Soundproofing.....	76,449	492	0.006	0.6	200,178	98.0	Highway.....	4,216,807	397	0.009	0.1	13,730,091	90.0		
Rental of equipment, trucking, etc.....	42,440	14,583	0.2	34.4	324,545	98.3	Bridge and culvert.....	3,150,321	2,500	0.08	1	8,146,400	88.8		
Millwork							Street paving.....	10,776,010	103	0.001	0.1	32,081,506	89.0		
All classes.....	147,138,458	4,120,427	100.0	2.8	437,811,040	77.2	Sewer, gas, water, conduit.....	2,732,306	1,015	0.04	0.1	8,978,809	89.0		
General contractors ³	70,241,208	3,382,788	82.1	4.8	250,029,228	65.1	Dam and reservoir.....	256,952	100	0.04	0.1	628,851	99.1		
Building.....	33,711,158	3,347,241	81.2	9.9	150,253,880	53.4	Central station, light and power plant.....	9,776,223	48,500	1.1	5	18,477,173	84.5		
Building not specialized ³	25,672,405	2,583,533	62.7	10.1	114,731,090	54.2	Subcontractors.....	476,897,250	3,964,466	89.9	5.2	178,781,812	97.6		
Commercial building only.....	4,127,269	187,578	4.6	4.5	33,228,557	45.1	Carpentering and wood flooring.....	2,088,478	3,052	0.1	1	4,499,125	96.3		
Manufacturing building only.....	1,542,613	10,142	0.2	7	3,214,825	83.6	Concreting.....	2,552,934	26,600	0.6	1.0	7,798,019	96.7		
Residential building only.....	2,468,871	565,988	13.7	22.9	8,079,408	56.1	Electrical.....	10,400,105	76	0.0007	0.1	24,913,826	99.6		
Highway.....	4,216,807	397	0.009	0.1	13,730,091	90.0	Heating and plumbing.....	27,175,576	102,546	2.3	4	52,919,256	97.1		
Bridge and culvert.....	3,150,321	2,500	0.08	1	8,146,400	88.8	Heating and piping.....	11,404,463	79,247	1.8	7	22,000,668	94.9		
Street paving.....	10,776,010	103	0.001	0.1	32,081,506	89.0	Plumbing.....	11,842,262	6,778	0.05	1	23,124,945	98.8		
Sewer, gas, water, conduit.....	2,732,306	1,015	0.04	0.1	8,978,809	89.0	Plumbing and heating combined.....	900,704	16,521	1.8	1.8	1,714,202	98.7		
Dam and reservoir.....	256,952	100	0.04	0.1	628,851	99.1	Masonry.....	6,192,872	6,584	0.1	1	15,110,957	95.1		
Central station, light and power plant.....	9,776,223	48,500	1.1	5	18,477,173	84.5	Roofing and sheet-metal work.....	4,524,074	3,825,709	86.7	84.6	11,750,560	98.9		
Subcontractors.....	476,897,250	737,639	17.9	1.0	178,781,812	97.6	Roofing.....	2,864,642	2,592,681	84.2	83.5	7,563,098	99.2		
Carpentering and wood flooring.....	2,088,478	722,737	17.5	34.6	4,499,125	96.3	Sheet-metal work.....	1,164,352	959,032	21.7	82.4	2,958,313	98.4		
Concreting.....	2,552,934	2,255	0.01	1	7,798,019	90.7	Roofing and sheet metal combined.....	495,080	473,996	10.7	95.7	1,229,175	98.8		
Electrical.....	10,400,105	6,895	0.06	2	15,110,957	95.1	Heating and ventilating equipment ²								
Heating and plumbing.....	27,175,576	3,193	0.01	1	13,895,693	95.0	All classes.....	147,138,458	13,889,517	100.0	9.4	437,811,040	77.2		
Heating and piping.....	11,404,463	79,247	0.6	7	22,000,668	94.9	General contractors ³	70,241,208	1,225,128	8.8	1.7	250,029,228	65.1		
Plumbing.....	11,842,262	6,778	0.05	1	13,895,693	95.0	Building.....	33,711,158	1,955,085	1.4	6	150,253,880	53.4		
Plumbing and heating combined.....	900,704	16,521	1.8	1.8	1,714,202	98.7	Building not specialized ³	25,672,405	144,693	1.0	6	114,731,090	54.2		
Masonry.....	6,192,872	6,584	0.1	1	15,110,957	95.1	Commercial building only.....	4,127,269	27,933	0.2	7	33,228,557	45.1		
Roofing and sheet-metal work.....	4,524,074	3,825,709	86.7	84.6	11,750,560	98.9	Residential building only.....	2,468,871	23,359	0.9	9	8,079,408	56.1		
Roofing.....	2,864,642	2,592,681	84.2	83.5	7,563,098	99.2	Bridge and culvert.....	3,150,321	1,800	0.05	0.1	8,146,400	88.8		
Sheet-metal work.....	1,164,352	959,032	21.7	82.4	2,958,313	98.4	Sewer, gas, water, conduit.....	2,732,306	20,000	0.7	0.7	8,978,809	89.0		
Roofing and sheet metal combined.....	495,080	473,996	10.7	95.7	1,229,175	98.8	Dam and reservoir.....	256,952	100	0.04	0.1	628,851	99.1		
Heating and ventilating equipment ²							Central station, light and power plant.....	9,776,223	308,643	2.2	10.8	18,477,173	84.5		
All classes.....	147,138,458	13,889,517	100.0	9.4	437,811,040	77.2	Subcontractors.....	476,897,250	12,664,389	91.2					

TABLE 10.—COMPARISON OF COST OF DESIGNATED MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, WITH COST OF MATERIALS AND VALUE OF CONSTRUCTION BUSINESS—Continued

[Based exclusively upon reports of establishments which gave the distributed cost of materials]

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Indicated per cent of all business done by own force ¹	
	Cost of all materials distributed by kind	Amount	Per cent of—				Cost of all materials distributed by kind	Amount	Per cent of—			Value of construction business
			Total cost	Cost of all distributed materials					Total cost	Cost of all distributed materials		
ILLINOIS—Continued						ILLINOIS—Continued						
Heating and ventilating equipment—Contd.						Elevators, dumb-waiters, and equipment						
Subcontractors—Continued.	Dollars	Dollars	(%)	(%)	Dollars	Dollars	Dollars	100.0	4.7	Dollars	77.2	
Electrical.....	10,490,105	1,447	(0)	(0)	24,913,820	147,138,458	6,925,309	100.0	4.7	437,811,040	77.2	
Heating and plumbing.....	27,175,570	12,514,475	90.1	46.1	52,019,250	70,008,694	135,661	2.0	2	258,480,539	65.6	
Heating and piping.....	11,464,463	10,587,939	76.2	92.4	22,000,668	33,478,644	118,109	1.7	4	158,705,191	54.0	
Pipe covering.....	389,034	134,228	1.0	34.5	1,256,184	25,330,891	23,042	.3	1	114,182,401	55.0	
Plumbing.....	11,842,262	1,223,233	8.8	10.3	23,124,945	4,127,269	94,527	1.4	2.3	33,228,557	45.1	
Plumbing and heating combined.....	900,764	402,325	2.9	44.7	1,714,202	3,150,321	1,500	(0)	(0)	8,146,400	88.8	
Automatic temperature control.....	166,750	166,750	1.2	100.0	667,119	2,732,306	12,192	.2	.4	8,978,809	89.0	
Masonry.....	6,192,872	1,750	(0)	(0)	15,116,957	9,776,223	3,800	.1	(0)	18,477,173	84.5	
Roofing and sheet-metal work.....	4,524,074	146,127	1.1	3.2	11,750,586	Subcontractors.....	6,789,048	98.0	8.8	178,781,812	97.6	
Roofing.....	2,864,642	15,279	.1	.5	7,563,098	Elevator construction.....	6,784,698	98.0	100.0	9,276,625	90.8	
Sheet-metal work.....	1,164,352	128,798	.9	11.1	2,958,313	Masonry.....	3,700	.1	.1	15,116,957	95.1	
Roofing and sheet metal combined.....	495,080	2,050	(0)	.4	1,220,175	Marble and tiling.....	1,250	(0)	(0)	7,924,077	90.6	
Plumbing and gas fitting equipment¹						Pipe: Cast-iron, sheet and tube steel, etc.						
All classes.....	147,138,458	14,129,604	100.0	9.6	437,811,040	All classes.....	147,138,458	2,607,082	100.0	1.8	437,811,040	77.2
General contractors ²	70,241,208	565,202	4.0	.8	259,029,228	General contractors.....	70,008,694	1,723,791	66.1	2.5	258,480,539	65.6
Building.....	33,711,158	264,759	1.9	.8	159,253,880	Building.....	33,478,644	73,569	2.8	.2	158,705,191	54.0
Building not specialized ³	25,572,405	155,058	1.1	.6	114,731,090	Building not specialized.....	25,330,891	72,468	2.8	.3	114,182,401	55.0
Commercial building only.....	4,127,269	7,542	.1	.2	33,228,557	Commercial building only.....	4,127,269	408	(0)	(0)	33,228,557	45.1
Residential building only.....	2,468,871	102,159	.7	4.1	8,079,408	Residential building only.....	2,468,871	603	(0)	(0)	8,079,408	56.1
Highway.....	4,216,867	651	(0)	(0)	13,730,091	Highway.....	4,216,867	1,877	.1	(0)	13,730,091	90.0
Bridge and culvert.....	3,150,321	297	(0)	(0)	8,146,400	Bridge and culvert.....	3,150,321	7,675	.3	.2	8,146,400	88.8
Street paving.....	10,770,010	80,533	.6	.7	32,081,509	Grading.....	67,698	7,500	.3	11.1	736,259	88.5
Sewer, gas, water, conduit.....	2,732,306	133,539	.9	4.9	8,978,809	Street paving.....	10,770,010	45,793	1.8	4	32,081,509	89.0
Dam and reservoir.....	256,952	5,000	(0)	1.9	3,278,851	Sewer, gas, water, conduit.....	2,732,306	372,603	14.3	13.6	8,978,809	89.0
Central station, light and power plant.....	9,776,223	80,463	.6	.8	18,477,173	Dam and reservoir.....	256,952	800	(0)	.3	628,851	99.1
Subcontractors.....	76,897,250	13,564,402	96.0	17.6	178,781,812	Dredging, river, harbor, etc.....	2,003,294	6,350	.2	.3	8,825,733	84.3
Carpentering and wood flooring.....	2,088,478	3,500	(0)	.2	4,499,125	Railroad.....	2,984,470	4,187	.2	.1	6,203,092	94.6
Electrical.....	10,490,105	142,154	1.0	1.4	24,913,820	Central station, light and power plant.....	9,776,223	1,190,725	45.7	12.2	18,477,173	84.5
Heating and plumbing.....	27,175,570	13,414,548	94.9	49.4	52,019,250	Refuse disposal plant.....	231,774	12,802	.5	5.5	987,805	91.3
Heating and piping.....	11,464,463	449,745	3.2	3.9	22,000,668	Subcontractors.....	76,897,250	883,291	33.9	1.1	178,781,812	97.6
Pipe covering.....	389,034	2,569	(0)	.7	1,256,184	Electrical.....	10,490,105	350,442	13.4	3.3	24,913,820	90.6
Plumbing.....	11,842,262	10,147,490	71.8	85.7	23,124,945	Heating and plumbing.....	27,175,570	504,257	10.3	1.9	52,019,250	97.1
Plumbing and heating combined.....	900,764	430,441	3.0	47.8	1,714,202	Heating and piping.....	11,464,463	131,548	5.0	1.1	22,000,668	94.0
Automatic sprinkler systems.....	2,412,303	2,384,303	10.9	98.8	4,156,138	Plumbing.....	11,842,262	323,134	12.4	2.7	23,124,945	98.8
Metal work, n. e. s.....	3,809,859	4,200	(0)	.1	6,804,861	Plumbing and heating combined.....	900,764	21,575	.8	2.4	1,714,202	98.7
Electrical appliances and supplies ¹						Automatic sprinkler systems.....	2,412,303	28,000	1.1	1.2	4,156,138	90.6
All classes.....	147,138,458	10,975,565	100.0	7.5	437,811,040	Roofing and sheet-metal work.....	4,524,074	742	(0)	(0)	11,750,586	98.9
General contractors ²	70,241,208	1,012,526	9.2	1.4	259,029,228	Roofing.....	2,864,642	442	(0)	(0)	7,563,098	99.2
Building.....	33,711,158	258,472	2.4	.8	159,253,880	Sheet-metal work.....	1,164,352	300	(0)	(0)	2,958,313	98.4
Building not specialized ³	25,572,405	187,432	1.7	.7	114,731,090	Sewer, gas, water, conduit.....	11,125	3,000	.1	27.0	60,000	90.3
Commercial building only.....	4,127,269	6,286	.1	.2	33,228,557	Foundation.....	113,466	24,860	1.0	21.9	660,023	99.4
Manufacturing building only.....	1,542,613	24,804	.2	1.6	3,214,825	Bituminous paving materials, tar, asphalt, and oil						
Residential building only.....	2,468,871	39,959	.4	1.0	8,079,408	All classes.....	147,138,458	2,225,414	100.0	1.5	437,811,040	77.2
Highway.....	4,216,867	850	(0)	(0)	13,730,091	General contractors.....	70,008,694	2,078,080	93.4	3.0	258,480,539	65.6
Bridge and culvert.....	3,150,321	40,408	.4	1.3	8,146,400	Building.....	33,478,644	18,273	5.8	.1	158,705,191	54.0
Street paving.....	10,770,010	45,793	.4	.4	32,081,509	Building not specialized.....	25,330,891	6,908	.3	(0)	114,182,401	55.0
Sewer, gas, water, conduit.....	2,732,306	4,215	(0)	.2	8,978,809	Commercial building only.....	4,127,269	11,365	.5	.3	33,228,557	45.1
Central station, light and power plant.....	9,776,223	637,869	5.8	6.5	18,477,173	Residential building only.....	2,468,871	116,621	5.2	2.8	8,146,400	90.0
Refuse disposal plant.....	231,774	24,979	.2	10.8	987,805	Highway.....	4,216,867	150	(0)	(0)	736,259	88.8
Subcontractors.....	76,897,250	9,903,030	90.8	13.0	178,781,812	Bridge and culvert.....	3,150,321	750	(0)	1.1	8,146,400	88.8
Carpentering and wood flooring.....	2,088,478	700	(0)	(0)	4,499,125	Grading.....	67,698	7,500	.3	11.1	736,259	88.5
Electrical.....	10,490,105	9,888,625	90.1	94.3	24,913,820	Street paving.....	10,770,010	1,925,130	86.5	17.9	32,081,509	89.0
Heating and plumbing.....	27,175,570	73,714	.7	.3	52,019,250	Sewer, gas, water, conduit.....	2,732,306	1,223	.1	(0)	8,978,809	89.0
Heating and piping.....	11,464,463	72,114	.7	.3	22,000,668	Dam and reservoir.....	256,952	11,051	.5	4.3	628,851	99.1
Pipe covering.....	389,034	500	(0)	(0)	1,256,184	Central station, light and power plant.....	9,776,223	4,882	.2	(0)	18,477,173	84.5
Plumbing.....	11,842,262	1,100	(0)	.1	23,124,945	Subcontractors.....	76,897,250	147,334	6.0	.2	178,781,812	97.6
Plumbing and heating combined.....	900,764	1,100	(0)	.1	1,714,202	Carpentering and wood flooring.....	2,088,478	3,600	.2	.2	4,499,125	96.3
						Concreting.....	2,552,934	952	(0)	(0)	7,798,019	96.7
						Electrical.....	10,490,105	249	(0)	(0)	24,913,820	99.6

See footnotes at end of table.

TABLE 10.—COMPARISON OF COST OF DESIGNATED MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, WITH COST OF MATERIALS AND VALUE OF CONSTRUCTION BUSINESS—Continued

[Based exclusively upon reports of establishments which gave the distributed cost of materials]

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹		
	Cost of all materials distributed by kind	Amount		Per cent of—				Cost of all distributed materials	Cost of all materials distributed by kind	Amount				Per cent of—	Cost of all distributed materials
		Dollars	Dollars							Total cost	Total cost				
ILLINOIS—Continued						CHICAGO—Continued									
Bituminous paving materials, tar, asphalt and oil—Continued						Sand, gravel, stone, slag, cinders, etc.—Continued									
Subcontractors—Continued.						Subcontractors.....									
Roofing and sheet-metal work.....	4,524,074	123,384	5.8	2.8	11,750,586	98.0	Dollars	Dollars	Dollars	Dollars	154,490,100	97.5			
Roofing.....	2,864,642	125,159	5.6	4.4	7,503,008	99.2	60,634,744	2,232,759	22.7	3.4	4,324,976	96.7			
Roofing and sheet metal combined.....	495,080	3,225	.1	.7	1,220,175	98.8	2,031,013	75	(°)	(°)	7,325,111	96.5			
Excavating.....	58,051	1,873	.1	3.2	325,332	94.4	2,362,674	1,038,008	10.6	43.9	22,051,857	99.5			
Street paving.....	504,659	10,266	.5	2.0	1,461,927	100.0	9,196,526	23,742	.2	.3	45,238,051	96.5			
Soundproofing.....	76,440	1,073	(°)	1.4	200,178	98.0	23,318,563	6,927	.1	(°)	10,288,143	94.4			
Flooring, n. e. s.....	497,714	937	(°)	.2	1,221,912	99.8	10,081,385	561	(°)	(°)	19,435,508	98.5			
Machinery						Plumbing.....									
All classes.....	147,138,458	2,440,011	100.0	1.7	437,811,040	77.2	10,032,796	6,426	.1	1.1	14,290,485	95.0			
General contractors.....	70,008,694	2,425,322	90.4	3.5	258,480,539	65.6	5,831,009	516,277	5.3	8.9	11,014,031	95.3			
Building.....	33,478,644	1,090,659	44.7	3.8	158,705,191	54.0	2,529,525	211,558	2.2	8.4	8,583,262	98.6			
Building not specialized.....	25,339,891	757,260	31.0	3.0	114,182,401	55.0	3,161,513	23,820	.2	.8	5,000,503	99.0			
Commercial building only.....	4,127,269	109,061	8.2	4.8	33,228,557	45.1	938,065	2,017	(°)	.2	2,463,475	98.1			
Manufacturing building only.....	1,542,613	134,338	5.5	8.7	3,214,825	83.6	Roofing and sheet-metal work.....	3,161,513	23,820	.2	.8	8,583,262	98.6		
Bridge and culvert.....	3,150,321	90,370	3.7	2.9	8,146,400	83.8	Roofing.....	2,031,362	20,511	.2	1.0	5,000,503	99.0		
Dam and reservoir.....	256,952	131,000	5.4	51.0	628,851	99.1	Sheet-metal work.....	938,065	2,017	(°)	.2	2,463,475	98.1		
Central station, light and power plant.....	9,776,223	1,113,293	45.6	11.4	18,477,173	84.5	Roofing and sheet metal combined.....	102,086	1,292	(°)	.7	510,284	97.6		
Subcontractors.....	76,897,250	14,689	.6	(°)	178,781,812	97.6	Marble and tiling.....	2,864,706	200,468	2.0	7.0	6,577,797	99.6		
Roofing and sheet-metal work.....	4,524,074	14,689	.6	.3	11,750,586	98.0	Excavating.....	857	406	(°)	46.7	142,505	93.0		
Sheet-metal work.....	1,164,352	14,689	.6	1.3	2,958,313	98.4	Street paving.....	404,740	170,118	1.7	42.0	2,009,652	100.0		
Metal products, n. e. s. (including metal furniture)						Soundproofing.....									
All classes.....	147,138,458	3,233,722	100.0	2.2	437,811,040	77.2	Foundation.....	113,469	35,195	.4	31.0	660,023	90.4		
General contractors.....	70,241,208	614,504	10.0	.8	250,020,228	65.1	Rental of equipment, trucking, etc.....	42,440	5,871	.1	13.8	324,545	98.3		
Building.....	33,711,153	25,296	.8	.1	150,253,880	53.4	Brick (face, common, fire, paving, etc.)								
Building not specialized.....	25,672,405	22,268	.7	.1	114,731,090	54.2	All classes.....	117,981,498	5,084,609	100.0	4.3	354,172,214	75.1		
Commercial building only.....	4,127,269	2,528	.1	.1	33,228,557	45.1	General contractors.....	51,340,754	3,511,001	69.1	6.8	199,082,114	60.7		
Residential building only.....	2,468,371	500	(°)	(°)	8,079,409	56.1	Building.....	23,763,228	3,182,469	62.0	13.4	126,810,913	49.2		
Highway.....	4,216,867	1,798	.1	(°)	13,730,091	90.0	Building not specialized.....	16,095,507	2,330,079	45.8	14.0	80,038,741	49.3		
Bridge and culvert.....	3,150,321	140,371	4.3	4.5	8,146,400	88.8	Commercial building only.....	4,021,649	400,770	9.8	12.4	32,634,271	45.1		
Street paving.....	10,776,010	2,255	.1	(°)	32,081,590	89.0	Manufacturing building only.....	1,483,638	70,744	1.5	5.2	3,085,832	82.6		
Dredging, river, harbor, etc.....	2,003,294	444,784	13.8	22.2	8,325,733	84.3	Residential building only.....	1,562,434	275,270	5.4	17.0	5,052,069	52.0		
Subcontractors.....	76,897,250	2,619,218	81.0	3.4	178,781,812	97.6	Highway.....	1,023,520	2,400	(°)	.2	3,374,692	92.1		
Masonry.....	6,192,872	4,304	.1	.1	15,116,957	95.1	Bridge and culvert.....	2,559,993	20,488	.4	.8	6,028,428	88.4		
Glass and glazing.....	757,115	15,668	.5	2.1	1,509,782	90.5	Street paving.....	6,872,377	20,808	.6	.4	21,391,301	85.8		
Roofing and sheet-metal work.....	4,524,074	3,717	.1	.1	11,750,586	98.9	Sewer, gas, water, conduit.....	2,113,736	124,190	2.4	5.9	6,981,907	90.2		
Roofing.....	2,864,642	1,993	.1	.1	7,503,008	99.2	Railroad.....	2,963,813	16,962	.3	.6	2,248,597	94.5		
Sheet-metal work.....	1,164,352	1,724	.1	.1	2,958,313	98.4	Foundation.....	257,840	46,025	.9	17.9	619,641	94.7		
Steel erection.....	881,089	482	(°)	.1	2,147,355	95.9	Central station, light and power plant.....	9,755,040	87,711	1.7	.9	18,433,869	84.4		
Marble and tiling.....	3,899,100	22,992	.7	.7	6,924,077	99.0	Refuse disposal plant.....	7,731	948	(°)	12.3	40,001	72.5		
Dredging, river, harbor, etc.....	34,010	12,078	.4	35.5	64,478	100.0	Subcontractors.....								
Foundation.....	113,469	3,795	.1	3.3	600,023	99.4	Carpentering and wood flooring.....	2,031,013	4,600	.1	.2	4,324,976	96.7		
Metal work, n. e. s.....	3,809,859	2,541,838	78.6	66.7	8,304,391	98.6	Concreting.....	2,362,674	36,759	.7	1.6	7,325,111	96.5		
Rental of equipment, trucking, etc.....	42,440	14,444	.4	34.0	324,545	98.3	Electrical.....	9,196,526	100	(°)	(°)	22,051,857	99.5		
CHICAGO						Heating and plumbing.....									
Sand, gravel, stone, slag, cinders, etc.¹						Heating and plumbing.....									
All classes.....	117,981,498	9,831,003	100.0	8.3	354,172,214	75.1	Plumbing.....	23,318,563	2,224	(°)	(°)	45,238,051	96.5		
General contractors.....	51,340,754	7,598,244	77.3	14.8	199,082,114	60.7	Roofing and sheet-metal work.....	10,081,385	2,224	(°)	(°)	10,288,143	94.4		
Building.....	23,763,228	2,852,493	29.0	12.0	120,810,913	49.2	Masonry.....	5,831,009	1,380,174	27.1	23.7	14,290,485	95.0		
Building not specialized.....	16,095,507	2,061,338	21.0	12.3	80,038,741	49.3	Plastering and lathing.....	2,529,525	63	(°)	(°)	11,014,031	95.3		
Commercial building only.....	4,021,649	566,170	5.8	14.1	32,634,271	45.1	Roofing and sheet-metal work.....	3,161,513	500	(°)	(°)	8,583,262	98.6		
Manufacturing building only.....	1,483,638	154,798	1.8	10.4	3,085,832	82.6	Sheet-metal work.....	938,065	500	(°)	.1	2,463,475	98.1		
Residential building only.....	1,562,434	70,187	.7	4.5	5,052,069	52.0	Marble and tiling.....	2,864,706	148,313	2.0	5.2	6,577,797	99.6		
Highway.....	1,023,520	559,740	5.7	54.7	3,374,692	88.4	Rental of equipment, trucking, etc.....	42,440	872	(°)	2.1	324,545	98.3		
Bridge and culvert.....	2,559,993	335,830	3.4	13.1	6,028,428	88.4	Tile (fireproofing)								
Grading.....	19,400	3,000	(°)	15.6	229,362	74.0	All classes.....	117,981,498	2,684,498	100.0	2.3	354,172,214	75.1		
Street paving.....	6,872,377	2,513,049	25.6	36.0	21,391,301	85.8	General contractors.....	51,316,872	437,293	18.2	.9	199,549,888	61.3		
Sewer, gas, water, conduit.....	2,113,736	226,845	2.3	10.7	6,981,907	84.1	Building.....	23,738,346	453,013	16.9	1.9	126,078,037	49.0		
Dredging, river, harbor, etc.....	2,003,294	165,897	1.7	8.3	8,245,733	94.5	Building not specialized.....	16,065,625	307,208	14.8	2.4	85,900,515	50.3		
Railroad.....	2,963,813	318,377	3.2	10.7	6,248,597	94.5	Commercial building only.....	4,021,649	47,828	1.8	1.8	32,634,271	45.1		
Foundation.....	257,840	110,760	1.1	43.0	619,641	94.7	Manufacturing building only.....	1,562,434	8,277	.3	.5	5,052,069	52.0		
Central station, light and power plant.....	9,755,040	509,955	5.2	5.2	18,433,869	84.4	Residential building only.....	1,023,520	1,000	(°)	.1	3,374,692	92.1		
Refuse disposal plant.....	7,731	4,298	(°)	55.0	40,001	72.5	Highway.....	1,023,520	2,300	.1	.1	6,028,428	88.4		
						Subcontractors.....									
						Carpentering and wood flooring.....									
						Concreting.....									
						Electrical.....									
						Heating and plumbing.....									
						Plumbing.....									
						Masonry.....									
						Plastering and lathing.....									
						Roofing and sheet-metal work.....									
						Roofing.....									

See footnotes at end of table.

CONSTRUCTION—ILLINOIS

TABLE 10.—COMPARISON OF COST OF DESIGNATED MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, WITH COST OF MATERIALS AND VALUE OF CONSTRUCTION BUSINESS—Continued

[Based exclusively upon reports of establishments which gave the distributed cost of materials]

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Indicated per cent of all business done by own force ¹	
	Cost of all materials distributed by kind	Amount	Per cent of—				Cost of all materials distributed by kind	Amount	Per cent of—			Value of construction business
			Total cost	Cost of all distributed materials					Total cost	Cost of all distributed materials		
CHICAGO—Continued						CHICAGO—Continued						
<i>Tile, facing, terra cotta, floor, and wall</i>						<i>Cement—Continued</i>						
All classes.....	Dollars 7117,981,498	Dollars 2,425,779	100.0	2.1	\$354,172,214	75.1	<i>Subcontractors—Continued.</i>					
General contractors.....	51,816,872	167,831	0.9	3.8	199,549,888	61.3	<i>Marble and tiling.....</i>					
Building.....	23,733,340	162,631	0.7	7.7	126,678,687	49.9	<i>Street paving.....</i>					
Building not specialized.....	16,665,625	154,494	0.4	9.9	85,906,515	50.3	<i>Soundproofing.....</i>					
Commercial building only.....	4,021,649	2,225	.1	1.1	32,634,271	45.1	<i>Rental of equipment, trucking, etc.....</i>					
Manufacturing building only.....	1,483,638	2,000	.1	1.1	3,085,832	82.6	<i>Plaster, etc.</i>					
Residential building only.....	1,562,434	3,912	0.2	3.8	5,052,069	52.0	<i>All classes.....</i>					
Sewer, gas, water, conduit.....	2,113,736	1,200	(0)	1.1	6,981,907	90.2	<i>General contractors.....</i>					
Central station, light and power plant.....	9,755,040	4,000	.2	(0)	18,433,869	84.4	<i>Building.....</i>					
Subcontractors.....	66,634,744	2,257,948	93.1	3.4	154,490,100	97.5	<i>Building not specialized.....</i>					
Carpentering.....	2,362,674	500	(0)	(0)	7,325,111	96.5	<i>Commercial building only.....</i>					
Electrical.....	9,196,526	400	(0)	(0)	22,061,857	99.5	<i>Manufacturing building only.....</i>					
Masonry.....	5,831,099	100,722	0.9	2.6	14,200,485	95.0	<i>Residential building only.....</i>					
Marble and tiling.....	2,864,796	2,080,165	86.1	72.9	6,577,797	99.6	<i>only.....</i>					
<i>Cut stone, granite and marble</i>						<i>Subcontractors.....</i>						
All classes.....	7117,981,498	1,081,388	100.0	1.4	\$354,172,214	75.1	<i>Carpentering and wood flooring.....</i>					
General contractors.....	51,816,872	880,171	52.3	1.7	199,549,888	61.3	<i>Concrete.....</i>					
Building.....	23,733,340	700,957	41.7	3.0	126,678,687	49.9	<i>Electrical.....</i>					
Building not specialized.....	16,665,625	503,973	30.0	3.0	85,906,515	50.3	<i>Masonry.....</i>					
Commercial building only.....	4,021,649	125,188	7.4	3.1	32,634,271	45.1	<i>Marble and tiling.....</i>					
Manufacturing building only.....	1,483,638	15,040	.9	1.1	3,085,832	82.6	<i>Street paving.....</i>					
Residential building only.....	1,562,434	56,156	3.3	3.0	5,052,069	52.0	<i>Levee.....</i>					
Bridge and culvert.....	2,559,993	30,000	1.8	1.2	6,628,428	88.4	<i>Railroad.....</i>					
Street paving.....	6,872,377	30,637	1.8	4.4	21,391,301	85.8	<i>Central station, light and power plant.....</i>					
Levee.....	6,787	6,782	4.100.0	100.0	9,770	100.0	<i>Subcontractors.....</i>					
Railroad.....	2,963,813	109,795	6.5	3.7	6,248,597	94.5	<i>Carpentering and wood flooring.....</i>					
Central station, light and power plant.....	9,755,040	2,000	.1	(0)	18,433,869	84.4	<i>Concrete.....</i>					
Subcontractors.....	66,634,744	801,217	47.7	1.2	154,490,100	97.5	<i>Electrical.....</i>					
Carpentering and wood flooring.....	2,031,013	1,400	.1	1.1	4,324,976	96.7	<i>Masonry.....</i>					
Concrete.....	2,362,674	4,250	3	2	7,325,111	96.5	<i>Marble and tiling.....</i>					
Electrical.....	9,196,526	400	(0)	(0)	22,061,857	99.5	<i>Street paving.....</i>					
Masonry.....	5,831,099	104,769	0.2	1.8	14,200,485	95.0	<i>Levee.....</i>					
Marble and tiling.....	2,864,796	470,983	16.4	99.2	1,138,596	98.4	<i>Railroad.....</i>					
Street paving.....	404,746	207,593	12.3	7.2	6,577,797	99.6	<i>Central station, light and power plant.....</i>					
<i>Cement</i>						<i>Structural steel</i>						
All classes.....	117,981,498	7,644,682	100.0	6.5	\$54,172,214	75.1	<i>All classes.....</i>					
General contractors.....	51,816,872	6,122,224	80.1	11.9	199,882,114	60.7	<i>General contractors.....</i>					
Building.....	23,733,340	3,319,633	43.4	14.0	126,810,913	49.2	<i>Building.....</i>					
Building not specialized.....	16,665,625	2,341,407	30.6	14.0	80,938,741	49.3	<i>Building not specialized.....</i>					
Commercial building only.....	4,021,649	768,008	10.0	19.1	32,634,271	45.1	<i>Commercial building only.....</i>					
Manufacturing building only.....	1,483,638	167,417	2.2	11.3	3,085,832	82.6	<i>Manufacturing building only.....</i>					
Residential building only.....	1,562,434	42,701	.6	2.7	5,052,069	52.0	<i>Residential building only.....</i>					
Highway.....	1,023,520	270,820	3.6	27.0	3,374,692	92.1	<i>Highway.....</i>					
Bridge and culvert.....	2,559,993	269,159	3.5	10.5	6,628,428	88.4	<i>Bridge and culvert.....</i>					
Street paving.....	6,872,377	1,563,028	20.4	22.7	21,391,301	85.8	<i>Street paving.....</i>					
Sewer, gas, water, conduit.....	2,113,736	145,800	1.9	6.9	9,981,907	90.2	<i>Sewer, gas, water, conduit.....</i>					
Dredging, river, harbor, etc.....	2,003,294	186,498	2.4	9.3	8,825,733	84.1	<i>Dredging, river, harbor, etc.....</i>					
Railroad.....	2,963,813	110,421	1.4	3.7	6,248,597	94.5	<i>Railroad.....</i>					
Foundation.....	257,840	68,500	.9	26.6	619,641	94.7	<i>Foundation.....</i>					
Central station, light and power plant.....	9,755,040	181,635	2.4	1.9	18,433,869	84.4	<i>Central station, light and power plant.....</i>					
Refuse disposal plant.....	7,731	832	(0)	10.8	40,001	72.5	<i>Refuse disposal plant.....</i>					
Subcontractors.....	66,634,744	1,522,458	19.9	2.3	154,490,100	97.5	<i>Subcontractors.....</i>					
Carpentering and wood flooring.....	2,031,013	40	(0)	(0)	4,324,976	96.7	<i>Carpentering and wood flooring.....</i>					
Concrete.....	2,362,674	878,563	11.5	27.2	7,325,111	96.5	<i>Concrete.....</i>					
Electrical.....	9,196,526	5,260	.1	(0)	22,061,857	99.5	<i>Electrical.....</i>					
Heating and plumbing.....	23,318,563	6,626	.1	(0)	45,238,051	96.5	<i>Heating and plumbing.....</i>					
Heating and piping.....	10,081,385	2,120	(0)	(0)	19,288,143	94.4	<i>Heating and piping.....</i>					
Plumbing.....	10,032,796	8,505	.1	1	19,435,608	98.5	<i>Plumbing.....</i>					
Masonry.....	5,831,099	182,349	2.4	3.1	14,200,485	95.0	<i>Masonry.....</i>					
Painting and decorating.....	2,182,413	84	(0)	(0)	12,043,501	99.8	<i>Painting and decorating.....</i>					
Plastering and lathing.....	2,529,525	80,869	1.1	3.2	11,014,031	95.3	<i>Plastering and lathing.....</i>					
Roofing and sheet-metal work.....	3,161,513	6,834	.1	2	8,583,262	98.6	<i>Roofing and sheet-metal work.....</i>					
Roofing.....	2,031,362	6,334	.1	3	5,609,693	99.0	<i>Roofing.....</i>					
Sheet-metal work.....	938,065	500	(0)	1	2,463,475	98.1	<i>Sheet-metal work.....</i>					
See footnotes at end of table.												

TABLE 10.—COMPARISON OF COST OF DESIGNATED MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, WITH COST OF MATERIALS AND VALUE OF CONSTRUCTION BUSINESS—Continued

[Based exclusively upon reports of establishments which gave the distributed cost of materials]

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹		
	Cost of all materials distributed by kind		Per cent of—					Amount	Per cent of—	Cost of all materials distributed by kind				Per cent of—	
	Dollars	Dollars	Total cost	Cost of all distributed materials						Dollars	Dollars			Total cost	Cost of all distributed materials
CHICAGO—Continued						CHICAGO—Continued									
<i>Reinforcing steel—Contd.</i>						<i>Paints, varnishes, glass, etc.</i>									
General contractors—Contd.	Dollars	Dollars			Dollars		All classes	Dollars	Dollars			Dollars			
Foundation	257,840	17,268	0.3	6.7	619,641	94.7		117,981,498	2,955,137	100.0	2.5	354,172,214	75.1		
Central station, light and power plant	9,755,040	2,563,053	48.8	20.3	18,433,869	84.4	General contractors ²	61,346,754	165,840	5.0	.3	199,682,114	60.7		
Subcontractors	66,634,744	248,337	4.7	.4	154,490,100	97.5	Building	23,763,228	122,070	4.2	.5	126,810,913	49.2		
Concrete	2,302,674	115,003	2.2	4.9	7,325,111	96.5	Building not specialized ³	16,695,507	81,180	2.7	.5	80,038,741	49.3		
Heating and plumbing	23,318,563	150	(^o)	(^o)	45,238,051	96.5	Commercial building only	4,021,649	26,013	.9	.7	32,634,271	45.1		
Plumbing	10,032,796	150	(^o)	(^o)	19,435,608	98.5	Manufacturing building only	1,483,638	3,829	.1	.3	3,085,832	82.6		
Masonry	5,831,099	126,235	2.4	.2	14,290,485	95.0	Residential building only	1,562,434	11,348	.4	.7	5,052,069	52.0		
Marble and tiling	2,864,796	729	(^o)	(^o)	6,577,797	99.0	Highway	1,023,520	587	(^o)	.1	3,374,692	92.1		
Street paving	404,740	2,934	.1	.7	1,209,582	100.0	Bridge and culvert	2,559,993	30,180	1.0	1.2	6,628,428	88.4		
Foundation	113,460	3,221	.1	2.8	609,023	90.4	Street paving	6,872,377	103	(^o)	(^o)	21,391,301	85.8		
							Sewer, gas, water, conduit	2,113,736	3,000	.1	.1	6,981,907	90.2		
							Central station, light and power plant	9,755,040	0,000	.3	.1	18,433,869	84.4		
<i>Lumber, rough and finished</i>							Subcontractors	66,634,744	2,789,207	94.4	4.2	154,490,100	97.5		
All classes	117,981,498	6,796,034	100.0	5.8	354,172,214	75.1	Carpentering and wood flooring	2,031,013	28,376	1.0	1.4	4,324,976	96.7		
General contractors ²	51,346,754	5,473,410	80.5	10.7	199,682,114	60.7	Concrete	2,362,674	1,349	(^o)	.1	7,325,111	96.5		
Building	23,763,228	4,167,607	61.3	17.5	126,810,913	49.2	Electrical	9,196,520	1,348	(^o)	(^o)	22,061,857	99.6		
Building not specialized ³	16,695,507	2,984,990	43.9	17.9	86,038,741	49.3	Heating and plumbing	23,318,563	347	(^o)	(^o)	45,238,051	96.5		
Commercial building only	4,021,649	620,472	9.1	15.4	32,634,271	45.1	Heating and piping	10,081,385	235	(^o)	(^o)	10,288,143	94.4		
Manufacturing building only	1,483,638	139,349	2.1	9.4	3,085,832	82.6	Plumbing	10,032,796	112	(^o)	(^o)	19,435,608	98.5		
Residential building only	1,562,434	422,796	6.2	27.1	6,052,069	52.0	Masonry	5,831,099	4,409	.2	.1	14,290,485	95.0		
Highway	1,023,520	14,234	.2	1.4	3,374,692	92.1	Painting and decorating	2,182,413	2,181,416	73.8	100.0	12,043,501	90.8		
Bridge and culvert	2,559,993	186,404	2.7	7.3	6,628,428	88.4	Glass and glazing	540,292	540,292	18.3	100.0	1,122,250	99.4		
Street paving	6,872,377	66,698	1.0	1.0	21,391,301	85.8	Plastering and lathing	2,529,525	11,978	.4	.5	11,014,031	95.3		
Sewer, gas, water, conduit	2,113,736	102,893	1.5	4.9	6,981,907	90.2	Roofing and sheet-metal work	3,161,513	10,357	.4	.3	8,583,262	98.6		
Dredging, river, harbor, etc.	2,003,294	283,019	4.2	14.2	8,225,733	84.1	Roofing	2,031,362	1,402	(^o)	.1	5,609,503	99.0		
Railroad	2,963,813	168,692	2.5	5.7	6,248,697	94.5	Sheet-metal work	938,065	8,995	.3	.9	2,463,475	98.1		
Foundation	257,840	6,627	.1	2.2	619,641	94.7	Marble and tiling	2,864,796	9,385	.3	.3	6,577,797	99.6		
Central station, light and power plant	9,755,040	470,013	7.0	4.9	18,433,869	84.4	<i>Roofing and sheet metal</i>								
Refuse disposal plant	7,731	1,653	(^o)	21.4	40,001	72.5	All classes	117,981,498	2,887,042	100.0	2.4	354,172,214	75.1		
Subcontractors	66,634,744	1,322,624	19.5	2.0	154,490,100	97.5	General contractors ²	61,346,754	282,358	0.8	.5	199,682,114	60.7		
Carpentering and wood flooring	2,031,013	1,131,931	16.7	55.7	4,324,976	96.7	Building	23,763,228	196,407	0.8	.8	126,810,913	49.2		
Concrete	2,362,674	84,821	1.2	3.6	7,325,111	96.5	Building not specialized ³	16,695,507	78,141	2.7	.5	80,038,741	49.3		
Electrical	9,196,520	2,892	(^o)	(^o)	22,061,857	99.5	Commercial building only	4,021,649	57,018	2.0	1.4	32,634,271	45.1		
Heating and plumbing	23,318,563	1,105	(^o)	(^o)	45,238,051	96.5	Manufacturing building only	1,483,638	56,216	1.9	3.8	3,085,832	82.6		
Heating and piping	10,081,385	515	(^o)	(^o)	19,435,143	94.4	Residential building only	1,562,434	4,432	.2	.3	5,052,069	52.0		
Plumbing	10,032,796	650	(^o)	(^o)	19,435,608	98.5	Highway	1,023,520	500	(^o)	.1	3,374,692	92.1		
Masonry	5,831,099	69,926	1.0	1.2	14,290,485	95.0	Bridge and culvert	2,559,993	35,024	1.2	1.4	6,628,428	88.4		
Plastering and lathing	2,529,525	8,443	.1	.3	11,014,031	95.3	Street paving	6,872,377	327	(^o)	(^o)	21,391,301	85.8		
Roofing and sheet-metal work	3,161,513	2,899	(^o)	.1	8,583,262	98.6	Sewer, gas, water, conduit	2,113,736	1,000	(^o)	(^o)	6,981,907	90.2		
Roofing	2,031,362	2,334	(^o)	.1	5,609,503	99.0	Central station, light and power plant	9,755,040	48,500	1.7	.5	18,433,869	84.4		
Sheet-metal work	938,065	565	(^o)	.1	2,463,475	98.1	Subcontractors	66,634,744	2,606,284	90.2	3.9	154,490,100	97.5		
Marble and tiling	2,864,796	200	(^o)	(^o)	6,577,797	99.6	Carpentering and wood flooring	2,031,013	3,052	.1	.2	4,324,976	96.7		
Excavating	857	428	(^o)	49.9	142,505	93.0	Concrete	2,362,674	26,500	.9	1.1	7,325,111	96.5		
Street paving	404,740	5,344	.1	1.3	1,209,582	100.0	Heating and plumbing	23,318,563	12,303	.4	.1	45,238,051	96.5		
Soundproofing	76,449	492	(^o)	.6	200,178	98.0	Heating and piping	10,081,385	12,303	.4	.1	10,288,143	94.4		
Rental of equipment, trucking, etc.	42,440	14,683	.2	34.4	324,545	98.3	Plumbing	10,032,796	12,303	.4	.1	19,435,608	98.5		
							Masonry	5,831,099	6,584	.2	.1	14,290,485	95.0		
<i>Millwork</i>							Roofing and sheet-metal work	3,161,513	2,556,845	88.5	80.9	8,583,262	98.6		
All classes	117,981,498	2,822,925	100.0	2.4	354,172,214	75.1	Roofing	2,031,362	1,023,648	50.2	79.9	5,609,503	99.0		
General contractors ²	51,346,754	2,107,720	74.7	4.1	199,682,114	60.7	Sheet-metal work	938,065	761,707	28.4	81.2	2,463,475	98.1		
Building	23,763,228	2,074,720	73.5	8.7	126,810,913	49.2	Roofing and sheet metal combined	192,086	171,490	5.9	89.3	510,284	97.6		
Building not specialized ³	16,695,507	1,684,664	54.4	9.2	86,038,741	49.3	<i>Heating and ventilating equipment⁴</i>								
Commercial building only	4,021,649	180,842	6.4	4.5	32,634,271	45.1	All classes	117,981,498	12,082,667	100.0	10.2	354,172,214	75.1		
Manufacturing building only	1,483,638	8,642	.3	.6	3,085,832	82.6	General contractors	61,316,872	1,106,105	9.2	2.2	199,549,838	61.3		
Residential building only	1,562,434	350,572	12.4	22.4	5,052,069	52.0	Building	23,733,346	76,162	.6	.3	126,878,987	49.9		
Highway	1,023,520	2,500	.1	.1	6,628,428	88.4	Building not specialized	16,665,625	39,009	.3	.2	85,905,515	50.3		
Bridge and culvert	2,559,993	10,000	.4	.5	6,981,907	90.2	Commercial building only	4,021,649	27,033	.2	.7	32,634,271	45.1		
Sewer, gas, water, conduit	2,113,736	10,000	.4	.5	6,981,907	90.2	Manufacturing building only	1,562,434	10,120	.1	.6	5,052,069	52.0		
Central station, light and power plant	9,755,040	20,500	.7	.2	18,433,869	84.4	Residential building only	1,562,434	10,120	.1	.6	5,052,069	52.0		
Subcontractors	66,634,744	715,205	25.3	1.1	154,490,100	97.5	Highway	1,023,520	1,300	(^o)	.1	3,374,692	88.4		
Carpentering and wood flooring	2,031,013	702,298	24.9	34.6	4,324,976	98.7	Bridge and culvert	2,559,993	308,000	.2	.9	6,628,428	88.4		
Concrete	2,362,674	2,255	.1	.1	7,325,111	96.5	Sewer, gas, water, conduit	2,113,736	200,000	.2	.9	6,981,907	90.2		
Electrical	9,196,520	4,902	.2	.1	14,290,485	95.0	Railroad	2,963,813	303,643	2.6	10.4	6,248,697	94.5		
Heating and plumbing	23,318,563	3,193	.1	.1	11,014,031	95.3	Central station, light and power plant	9,755,040	700,000	5.8	7.2	18,433,869	84.4		
Heating and piping	10,081,385	3,193	.1	.1	11,014,031	95.3									
Plumbing	10,032,796	2,559	.1	3.3	200,178	98.0									
Masonry	5,831,099	4,902	.2	.1	14,290,485	95.0									
Plastering and lathing	2,529,525	3,193	.1	.1	11,014,031	95.3									
Roofing and sheet-metal work	3,161,513	2,899	(^o)	.1	8,583,262	98.6									
Roofing	2,031,362	2,334	(^o)	.1	5,609,503	99.0									
Sheet-metal work	938,065	565	(^o)	.1	2,463,475	98.1									
Marble and tiling	2,864,796	200	(^o												

CONSTRUCTION—ILLINOIS

TABLE 10.—COMPARISON OF COST OF DESIGNATED MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, WITH COST OF MATERIALS AND VALUE OF CONSTRUCTION BUSINESS—Continued

[Based exclusively upon reports of establishments which gave the distributed cost of materials]

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Indicated per cent of all business done by own force ¹		
	Cost of all materials distributed by kind	Amount	Per cent of—				Value of construction business	Cost of all materials distributed by kind	Amount	Per cent of—		Value of construction business	
			Total cost	Cost of all distributed materials						Total cost			Cost of all distributed materials
CHICAGO—Continued						CHICAGO—Continued							
<i>Heating and ventilating equipment²—Continued</i>						<i>Elevators, dumb-waiters, and equipment—Contd.</i>							
	Dollars	Dollars		Dollars		Dollars	Dollars		Dollars				
Subcontractors.....	66,634,744	10,956,562	90.8	154,400,100	97.5	General contractors—Contd.							
Carpentering and wood flooring.....	2,031,013	500	(°)	4,324,976	96.7	Bridge and culvert.....	2,559,993	1,500	0.1	6,628,428	88.4		
Electrical.....	9,196,526	1,447	(°)	22,061,857	99.5	Central station, light and power plant.....	9,755,040	3,800	.1	18,433,869	97.5		
Heating and plumbing.....	23,318,563	10,843,349	89.9	46,238,051	96.5	Subcontractors.....	66,634,744	6,609,648	98.3	154,400,100	97.5		
Heating and piping.....	10,081,385	9,026,214	79.8	19,288,143	94.4	Elevator construction.....	6,604,698	6,004,698	100.0	0,047,047	99.8		
Pipe covering.....	389,034	134,228	1.1	1,256,184	99.8	Masonry.....	5,831,999	3,700	(°)	14,290,485	95.0		
Plumbing.....	10,032,796	808,414	6.7	19,435,508	98.5	Marble and tiling.....	2,804,796	1,250	(°)	6,677,797	99.6		
Plumbing and heating combined.....	276,205	107,743	.9	513,589	95.2	<i>Pipe: Cast-iron, sheet and tube steel, etc.</i>							
Automatic temperature control.....	166,750	166,750	1.4	607,119	100.0	All classes.....	717,981,498	2,346,683	100.0	354,172,214	75.1		
Masonry.....	5,831,999	1,750	(°)	14,290,485	95.0	General contractors.....	51,316,872	1,509,945	64.3	5199,549,888	61.3		
Roofing and sheet-metal work.....	3,161,513	109,426	.9	8,683,262	98.6	Building.....	23,733,346	18,304	.8	126,678,687	49.9		
Roofing.....	2,031,362	5,655	(°)	5,609,503	99.0	Building not specialized.....	16,665,625	17,806	.8	85,906,515	50.3		
Sheet-metal work.....	938,065	101,721	.8	2,463,475	98.1	Commercial building only.....	4,021,649	498	(°)	32,634,271	45.1		
Roofing and sheet metal combined.....	192,086	2,050	(°)	510,284	97.6	Highway.....	1,023,520	200	(°)	3,374,092	92.1		
<i>Plumbing and gas fitting equipment²</i>						Bridge and culvert.....	2,559,993	7,675	.3	6,628,428	88.4		
All classes.....	717,981,498	12,002,766	100.0	354,172,214	75.1	Grading.....	19,400	7,500	.3	229,862	74.0		
General contractors.....	51,316,872	382,419	3.2	199,549,888	61.3	Street paving.....	6,872,377	8,387	.4	21,391,301	85.8		
Building.....	23,733,346	156,514	1.3	126,678,687	49.9	Sewer, gas, water, conduit.....	2,113,736	272,220	11.0	6,981,907	90.2		
Building not specialized.....	16,665,625	64,366	.5	85,906,515	50.3	Dredging, river, harbor, etc.....	2,003,294	6,350	.3	8,825,733	84.1		
Commercial building only.....	4,021,649	7,542	.1	32,634,271	45.1	Railroad.....	2,963,813	4,187	.2	6,248,597	94.5		
Residential building only.....	1,562,434	84,006	.7	5,052,069	52.0	Central station, light and power plant.....	9,755,040	1,185,122	50.5	18,433,869	84.4		
Highway.....	1,023,520	501	(°)	3,374,692	92.1	Subcontractors.....	66,634,744	836,728	35.7	154,400,100	97.5		
Bridge and culvert.....	2,559,993	297	(°)	6,628,428	88.4	Electrical.....	9,196,526	350,442	14.9	22,061,857	99.5		
Street paving.....	6,872,377	18,800	.2	21,391,301	85.8	Heating and plumbing.....	23,318,563	409,704	19.6	46,238,051	96.5		
Sewer, gas, water, conduit.....	2,113,736	125,844	1.0	6,981,907	90.2	Heating and piping.....	10,081,385	131,548	5.6	19,288,143	94.4		
Central station, light and power plant.....	9,755,040	80,463	.7	18,433,869	84.4	Plumbing.....	10,032,796	286,156	12.2	19,435,508	98.5		
Subcontractors.....	66,634,744	11,620,347	96.8	154,400,100	97.5	Plumbing and heating combined.....	276,205	15,000	.6	513,589	95.2		
Carpentering and wood flooring.....	2,031,013	3,500	(°)	4,324,976	96.7	Automatic sprinkler systems.....	2,372,303	28,000	1.2	4,077,503	99.6		
Electrical.....	9,196,526	142,154	1.2	22,061,857	99.5	Roofing and sheet-metal work.....	3,161,513	742	(°)	8,683,262	98.0		
Heating and plumbing.....	23,318,563	11,470,493	95.6	46,238,051	96.5	Roofing.....	2,031,362	442	(°)	5,609,503	99.0		
Heating and piping.....	10,081,385	174,282	1.5	19,288,143	94.4	Sheet-metal work.....	938,065	300	(°)	2,463,475	98.1		
Pipe covering.....	389,034	2,569	(°)	1,256,184	99.8	Foundation.....	113,469	24,850	1.1	6,662,028	90.4		
Plumbing.....	10,032,796	8,816,196	73.5	19,435,508	98.5	<i>Bituminous paving materials, tar, asphalt, and oil</i>							
Plumbing and heating combined.....	276,205	133,143	1.1	513,589	95.2	All classes.....	717,981,498	1,929,038	100.0	354,172,214	75.1		
Automatic sprinkler systems.....	2,372,303	2,344,303	19.5	4,077,503	99.6	General contractors.....	51,316,872	1,800,487	98.3	5199,549,888	61.3		
Metal work, n. e. s.....	3,809,859	4,200	(°)	6,304,861	98.6	Building.....	23,733,346	15,315	.8	126,678,687	49.9		
<i>Electrical appliances and supplies²</i>						Building not specialized.....	16,665,625	3,960	.2	85,906,515	50.3		
All classes.....	717,981,498	9,518,527	100.0	354,172,214	75.1	Commercial building only.....	4,021,649	11,365	.6	32,634,271	45.1		
General contractors.....	51,316,872	916,549	9.6	199,549,888	61.3	Highway.....	1,023,520	67,217	3.0	3,374,092	92.1		
Building.....	23,733,346	206,276	2.2	126,678,687	49.9	Bridge and culvert.....	2,559,993	100	(°)	6,628,428	88.4		
Building not specialized.....	16,665,625	146,253	1.5	85,906,515	50.3	Street paving.....	6,872,377	1,712,589	88.8	21,391,301	85.8		
Commercial building only.....	4,021,649	2,800	(°)	32,634,271	45.1	Sewer, gas, water, conduit.....	2,113,736	132	(°)	6,981,907	90.2		
Manufacturing building only.....	1,483,638	24,804	.3	3,085,832	82.6	Central station, light and power plant.....	9,755,040	4,834	.3	18,433,869	84.4		
Residential building only.....	1,562,434	32,419	.3	5,052,069	52.0	Subcontractors.....	66,634,744	128,551	6.7	154,400,100	97.5		
Bridge and culvert.....	2,559,993	37,008	.4	6,628,428	88.4	Carpentering and wood flooring.....	2,031,013	3,600	.2	4,324,976	96.7		
Street paving.....	6,872,377	21,338	.2	21,391,301	85.8	Concreting.....	2,362,074	952	(°)	7,325,111	96.5		
Sewer, gas, water, conduit.....	2,113,736	4,215	(°)	6,981,907	90.2	Electrical.....	9,196,526	219	(°)	22,061,857	99.5		
Central station, light and power plant.....	9,755,040	647,712	6.8	18,433,869	84.4	Roofing and sheet-metal work.....	3,161,513	114,682	5.9	8,683,262	98.6		
Subcontractors.....	66,634,744	8,601,978	90.4	154,400,100	97.5	Roofing.....	2,031,362	111,457	5.8	5,609,503	99.0		
Carpentering and wood flooring.....	2,031,013	700	(°)	4,324,976	96.7	Roofing and sheet metal combined.....	192,086	3,225	.2	510,284	97.6		
Electrical.....	9,196,526	8,600,428	93.5	22,061,857	99.5	Street paving.....	404,746	7,996	.4	1,209,582	100.0		
Heating and plumbing.....	23,318,563	850	(°)	46,238,051	96.5	Soundproofing.....	76,449	1,078	.1	200,178	98.0		
Heating and piping.....	10,081,385	350	(°)	19,288,143	94.4	<i>Machinery</i>							
Plumbing.....	10,032,796	500	(°)	19,435,508	98.5	All classes.....	717,981,498	2,287,927	100.0	354,172,214	75.1		
<i>Elevators, dumb-waiters, and equipment</i>						General contractors.....	51,316,872	2,273,238	90.4	5199,549,888	61.3		
All classes.....	717,981,498	6,724,534	100.0	354,172,214	75.1	Building.....	23,733,346	1,060,575	46.7	126,678,687	49.9		
General contractors.....	51,316,872	114,886	1.7	199,549,888	61.3	Building not specialized.....	16,665,625	760,509	32.8	85,906,515	50.3		
Building.....	23,733,346	109,586	1.6	126,678,687	49.9	Commercial building only.....	4,021,649	184,728	8.1	32,634,271	45.1		
Building not specialized.....	16,665,625	15,059	.2	85,906,515	50.3	Manufacturing building only.....	1,483,638	134,338	5.9	3,085,832	82.6		
Commercial building only.....	4,021,649	94,527	1.4	32,634,271	45.1								

See footnotes at end of table.

TABLE 10.—COMPARISON OF COST OF DESIGNATED MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, WITH COST OF MATERIALS AND VALUE OF CONSTRUCTION BUSINESS—Continued

[Based exclusively upon reports of establishments which gave the distributed cost of materials]

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹		
	Cost of all materials distributed by kind	Amount		Per cent of—				Cost of all distributed materials	Cost of all materials distributed by kind	Amount				Per cent of—	Cost of all distributed materials
		Dollars	Per cent							Dollars	Per cent				
CHICAGO—Continued						PEORIA—Continued									
Machinery—Continued						Tile, facing, terra cotta, floor, and wall—Contd.									
General contractors—Contd.	Dollars	Dollars	Per cent	Per cent	Dollars	Per cent	Dollars	Dollars	Per cent	Per cent	Dollars	Per cent			
Bridge and culvert	2,569,993	90,370	3.9	3.5	6,623,428	88.4	Subcontractors	751,179	52,435	77.2	7.0	1,979,619	99.8		
Central station, light and power plant	9,755,040	1,113,293	48.7	11.4	18,433,869	84.4	Marble and tiling	167,991	52,435	77.2	31.2	471,872	99.6		
Subcontractors	66,634,744	14,689	.6	(°)	154,490,100	97.5	Cut stone, granite and marble								
Roofing and sheet-metal work	3,161,513	14,689	.6	.5	8,583,262	98.6	All classes	2,842,610	123,950	100.0	4.4	7,494,395	80.2		
Sheet-metal work	938,005	14,689	.6	1.6	2,463,475	98.1	General contractors	2,078,666	66,293	53.5	3.2	5,485,276	73.5		
Metal products, n. e. s. (including metal furniture)						General contractors									
All classes	717,081,408	3,174,506	100.0	2.7	854,172,214	75.1	Building	1,132,848	66,293	53.5	5.9	3,364,308	65.0		
General contractors	51,316,872	605,159	19.1	1.2	199,549,888	61.3	Building not specialized	935,200	62,593	50.5	6.7	2,670,934	66.5		
Building	23,733,346	18,309	.6	.1	126,678,687	49.9	Commercial building only	9,700	169	1.0	1.0	60,000	71.8		
Building not specialized	16,065,625	18,309	.6	.1	85,900,615	50.3	Residential building only	187,942	3,600	2.0	1.9	633,374	56.1		
Bridge and culvert	2,569,993	140,371	4.4	5.5	6,623,428	88.4	Subcontractors	751,179	57,687	46.5	7.7	1,979,619	99.8		
Street paving	6,872,377	1,695	.1	(°)	21,391,301	85.8	Masonry	10,253	1,026	8	10.0	30,473	93.3		
Dredging, river, harbor, etc.	2,003,204	444,784	14.0	22.2	8,825,733	84.1	Marble and tiling	167,991	56,661	45.7	33.7	471,872	99.6		
Subcontractors	66,634,744	2,569,347	80.9	3.9	154,490,100	97.5	Riprap, rubble, etc.								
Masonry	5,831,099	4,304	.1	.1	14,290,485	95.0	All classes	2,842,610	40,000	100.0	1.4	7,494,395	80.2		
Roofing and sheet-metal work	3,161,513	1,724	.1	.1	8,583,262	98.6	General contractors	2,078,666	40,000	100.0	1.9	5,485,276	73.5		
Sheet-metal work	938,005	1,724	.1	.2	2,463,475	98.1	Building	1,132,848	40,000	100.0	3.5	3,364,308	65.0		
Steel erection	418,829	482	(°)	.1	1,209,342	98.5	Building not specialized	935,200	40,000	100.0	4.3	2,670,934	66.5		
Marble and tiling	2,864,766	2,760	.1	.1	6,577,797	99.6	Cement								
Foundation	113,469	3,795	.1	3.3	666,023	90.4	All classes	2,842,610	381,003	100.0	13.4	7,494,395	80.2		
Metal work, n. e. s.	3,809,859	2,541,838	80.1	66.7	6,304,861	98.6	General contractors	2,091,437	332,217	87.1	15.9	5,514,776	73.4		
Rental of equipment, trucking, etc.	42,440	14,444	.5	34.0	324,546	98.3	Building	1,145,619	90,627	25.3	8.4	3,393,808	64.9		
PEORIA						Sand, gravel, stone, slag, cinders, etc.²									
All classes	2,842,616	563,614	100.0	10.8	7,494,395	80.2	General contractors	2,091,437	494,347	87.8	23.6	5,514,776	73.4		
General contractors	2,091,437	494,347	87.8	23.6	5,514,776	73.4	Building	1,145,619	78,199	13.9	6.8	3,393,808	64.9		
Building	1,145,619	78,199	13.9	6.8	3,393,808	64.9	Building not specialized	947,977	76,208	13.5	8.0	2,700,434	66.4		
Building not specialized	947,977	76,208	13.5	8.0	2,700,434	66.4	Commercial building only	9,700	500	.1	5.2	60,000	71.8		
Commercial building only	9,700	500	.1	5.2	60,000	71.8	Residential building only	187,942	1,491	.3	.8	633,374	56.1		
Residential building only	187,942	1,491	.3	.8	633,374	56.1	Highway	639,019	356,731	63.4	55.8	1,432,692	88.5		
Highway	639,019	356,731	63.4	55.8	1,432,692	88.5	Grading	4,736	3,300	.6	99.7	48,173	75.0		
Grading	4,736	3,300	.6	99.7	48,173	75.0	Street paving	167,020	47,675	8.5	28.5	371,424	97.3		
Street paving	167,020	47,675	8.5	28.5	371,424	97.3	Sewer, gas, water, conduit	136,043	8,442	1.5	6.3	268,679	88.8		
Sewer, gas, water, conduit	136,043	8,442	1.5	6.3	268,679	88.8	Subcontractors	751,179	68,667	12.2	9.1	1,979,619	99.8		
Subcontractors	751,179	68,667	12.2	9.1	1,979,619	99.8	Masonry	10,253	966	2.9	9.4	30,473	93.3		
Masonry	10,253	966	2.9	9.4	30,473	93.3	Plastering and lathing	125,024	10,752	3.0	13.4	368,857	100.0		
Plastering and lathing	125,024	10,752	3.0	13.4	368,857	100.0	Roofing and sheet-metal work	113,140	300	.1	.3	242,560	100.0		
Roofing and sheet-metal work	113,140	300	.1	.3	242,560	100.0	Roofing	113,140	300	.1	.3	242,560	100.0		
Roofing	113,140	300	.1	.3	242,560	100.0	Marble and tiling	167,991	25,273	4.5	15.0	471,872	99.6		
Marble and tiling	167,991	25,273	4.5	15.0	471,872	99.6	Street paving	73,873	25,376	4.5	34.4	185,700	100.0		
Street paving	73,873	25,376	4.5	34.4	185,700	100.0	Brick (face, common, fire, paving, etc.)								
Brick (face, common, fire, paving, etc.)						Structural steel									
All classes	2,842,616	208,714	100.0	7.3	7,494,395	80.2	All classes	2,842,616	129,993	100.0	4.6	7,494,395	80.2		
General contractors	2,091,437	204,692	98.1	9.8	5,514,776	73.4	General contractors	2,078,666	129,528	99.6	6.2	5,485,276	73.5		
Building	1,145,619	177,720	85.2	15.5	3,393,808	64.0	Building	1,132,848	117,198	90.2	90.2	3,364,308	65.0		
Building not specialized	947,977	167,082	75.3	16.0	2,700,434	66.4	Building not specialized	935,200	109,897	84.5	11.7	2,670,934	66.5		
Commercial building only	9,700	1,500	.7	15.5	60,000	71.8	Commercial building only	9,700	2,500	1.9	25.8	60,000	71.8		
Residential building only	187,942	19,138	9.2	10.2	633,374	56.1	Residential building only	187,942	4,891	3.8	2.6	633,374	56.1		
Highway	639,019	609	.3	.1	1,432,692	88.5	Highway	639,019	12,072	9.3	1.9	1,432,692	88.5		
Street paving	167,020	25,939	12.4	15.5	371,424	97.3	Street paving	167,020	258	.2	.2	371,424	97.3		
Sewer, gas, water, conduit	136,043	397	.2	.3	268,679	88.8	Subcontractors	751,179	465	.4	.1	1,979,619	99.8		
Subcontractors	751,179	465	.4	.1	1,979,619	99.8	Masonry	10,253	465	.4	4.5	30,473	93.3		
Masonry	10,253	465	.4	4.5	30,473	93.3	Reinforcing steel								
Street paving	73,873	617	.2	.7	185,700	100.0	All classes	2,842,616	143,902	100.0	5.1	7,494,395	80.2		
Tile, facing, terra cotta, floor, and wall						General contractors									
All classes	2,842,616	67,886	100.0	2.4	7,494,395	80.2	General contractors	2,078,666	135,168	93.9	6.5	5,485,276	73.5		
General contractors	2,078,666	15,451	22.8	.7	5,485,276	73.5	Building	1,132,848	52,048	36.2	4.6	3,364,308	65.0		
Building	1,132,848	15,451	22.8	1.4	3,364,308	65.0	Building not specialized	935,200	51,036	35.5	5.5	2,670,934	66.5		
Building not specialized	935,200	10,450	15.4	1.1	2,670,934	66.5	Commercial building only	9,700	1,010	.7	.5	633,374	56.1		
Residential building only	187,942	5,001	7.4	2.7	633,374	56.1	Residential building only	187,942	1,010	.7	.5	633,374	56.1		
See footnotes at end of table.						Highway									
See footnotes at end of table.						Street paving									
See footnotes at end of table.						Sewer, gas, water, conduit									
See footnotes at end of table.						Subcontractors									
See footnotes at end of table.						Street paving									

TABLE 10.—COMPARISON OF COST OF DESIGNATED MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, WITH COST OF MATERIALS AND VALUE OF CONSTRUCTION BUSINESS—Continued

[Based exclusively upon reports of establishments which gave the distributed cost of materials]

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	Cost of all materials distributed by kind	COST OF DESIGNATED MATERIAL		Value of construction business	Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	Cost of all materials distributed by kind	COST OF DESIGNATED MATERIAL		Value of construction business	Indicated per cent of all business done by own force ¹		
		Amount	Per cent of—					Amount	Per cent of—				
												Total cost	Cost of all distributed materials	Total cost	Cost of all distributed materials
	Dollars	Dollars		Dollars		Dollars	Dollars		Dollars				
PEORIA—Continued						PEORIA—Continued							
<i>Metal doors, windows, and trim</i>						<i>Heating and ventilating equipment</i>							
All classes.....	2,842,816	44,088	100.0	1.6	7,494,395	80.2	All classes.....	2,842,816	62,308	100.0	2.2	7,494,395	80.2
General contractors.....	2,078,666	44,088	100.0	2.1	5,485,276	73.5	General contractors.....	2,078,666	2,426	3.9	.1	5,485,276	73.5
Building.....	1,132,848	44,088	100.0	3.9	3,393,808	65.0	Building.....	1,132,848	2,426	3.9	.2	3,393,808	65.0
Building not specialized.....	935,206	43,448	98.5	4.6	2,670,934	66.5	Building not specialized.....	935,206	2,426	3.9	.3	2,670,934	66.5
Residential building only.....	187,942	640	1.5	.3	633,374	56.1	Subcontractors.....	751,170	59,882	96.1	8.0	1,070,619	99.8
<i>Lumber, rough and finished</i>							Heating and plumbing.....	193,033	59,882	96.1	31.0	449,866	100.0
All classes.....	2,842,816	188,002	100.0	6.6	7,494,395	80.2	Heating and piping.....	35,572	23,678	38.0	66.0	66,611	100.0
General contractors.....	2,091,437	187,902	99.9	9.0	5,514,776	73.4	Plumbing.....	114,082	20,800	33.4	18.2	301,866	100.0
Building.....	1,145,619	172,826	91.9	15.1	3,393,808	64.9	Plumbing and heating combined.....	43,379	15,404	24.7	35.5	81,389	100.0
Building not specialized.....	947,977	100,527	63.5	10.6	2,700,434	68.4	<i>Plumbing and gas-fitting equipment</i>						
Commercial building only.....	9,700	2,000	1.1	20.6	60,000	71.8	All classes.....	2,842,816	119,914	100.0	4.2	7,494,395	80.2
Residential building only.....	187,942	70,299	37.4	37.4	633,374	53.1	General contractors.....	2,078,666	581	.5	(⁶)	5,485,276	73.5
Highway.....	639,019	8,047	4.3	1.3	1,432,692	38.5	Building.....	1,132,848	581	.5	.1	3,393,808	65.0
Grading.....	4,736	1,436	.8	30.3	43,173	75.0	Building not specialized.....	935,206	581	.5	.1	2,670,934	66.5
Street paving.....	167,020	1,003	.5	.6	371,424	97.3	Subcontractors.....	751,170	119,333	99.5	15.9	1,070,619	99.8
Sewer, gas, water, conduit.....	135,043	4,590	2.4	3.4	268,679	88.8	Heating and plumbing.....	193,033	119,333	99.5	61.8	449,866	100.0
Subcontractors.....	751,179	100	.1	(⁷)	1,070,619	99.8	Heating and piping.....	35,572	5,581	4.7	15.7	66,611	100.0
Heating and plumbing.....	193,033	100	.1	.1	449,866	100.0	Plumbing.....	114,082	86,360	72.0	75.7	301,866	100.0
Plumbing.....	114,082	100	.1	.1	301,866	100.0	Plumbing and heating combined.....	43,379	27,392	22.8	63.1	81,389	100.0
<i>Millwork</i>							<i>Electrical appliances and supplies</i>						
All classes.....	2,842,816	122,638	100.0	4.3	7,494,395	80.2	All classes.....	2,842,816	49,371	100.0	1.7	7,494,395	80.2
General contractors.....	2,091,437	122,638	100.0	5.9	5,514,776	73.4	General contractors.....	2,091,437	1,189	2.4	.1	5,514,776	73.4
Building.....	1,145,619	122,638	100.0	10.7	3,393,808	64.9	Building.....	1,145,619	1,189	2.4	.1	3,393,808	64.9
Building not specialized.....	947,977	67,229	64.8	7.1	2,700,434	66.4	Building not specialized.....	947,977	1,189	2.4	.1	2,700,434	66.4
Commercial building only.....	9,700	2,500	2.0	25.8	60,000	71.8	Subcontractors.....	751,179	48,182	97.6	6.4	1,070,619	99.8
Residential building only.....	187,942	52,909	43.1	23.2	633,374	56.1	Electrical.....	48,182	48,182	97.6	100.0	113,536	100.0
<i>Hardware, rough and finished</i>							<i>Pipe: Drain tile, vitrified, concrete, segment</i>						
All classes.....	2,842,816	50,028	100.0	1.8	7,494,395	80.2	All classes.....	2,842,816	128,667	100.0	4.5	7,494,395	80.2
General contractors.....	2,091,437	49,412	98.8	2.4	5,514,776	73.4	General contractors.....	2,078,666	119,816	93.1	5.8	5,485,276	73.5
Building.....	1,145,619	42,645	85.2	3.7	3,393,808	64.9	Building.....	1,132,848	337	.3	(⁸)	3,393,808	65.0
Building not specialized.....	947,977	34,305	68.6	3.6	2,700,434	66.4	Building not specialized.....	935,206	337	.3	(⁸)	2,670,934	66.5
Residential building only.....	187,942	8,340	16.7	4.4	633,374	56.1	Highway.....	639,019	7,239	5.6	1.1	1,432,692	38.5
Highway.....	639,019	6,767	13.5	1.1	1,432,692	38.5	Street paving.....	167,020	3,892	3.0	2.3	371,424	97.3
Subcontractors.....	751,179	616	1.2	.1	1,070,619	99.8	Sewer, gas, water, conduit.....	135,043	108,348	84.2	80.2	268,679	88.8
Heating and plumbing.....	125,024	163	.3	.1	368,857	100.0	Subcontractors.....	751,179	8,851	6.9	1.2	1,070,619	99.8
Marble and tiling.....	167,991	453	.9	.3	471,872	93.6	Heating and plumbing.....	193,033	4,883	3.8	2.5	449,866	100.0
<i>Roofing and sheet metal</i>							Heating and piping.....	35,572	500	.4	1.4	66,611	100.0
All classes.....	2,842,816	127,653	100.0	4.5	7,494,395	80.2	Plumbing.....	114,082	3,800	3.0	3.3	301,866	100.0
General contractors.....	2,091,437	11,362	8.9	.5	5,514,776	73.4	Plumbing and heating combined.....	43,379	583	.5	1.3	81,389	100.0
Building.....	1,145,619	11,362	8.9	1.0	3,393,808	64.9	Street paving.....	73,873	3,968	3.1	5.4	185,700	100.0
Building not specialized.....	947,977	5,109	4.0	.5	2,700,434	66.4							
Residential building only.....	187,942	6,253	4.9	3.3	633,374	56.1							
Subcontractors.....	751,179	116,291	91.1	15.5	1,070,619	99.8							
Heating and plumbing.....	193,033	5,813	4.0	3.0	449,866	100.0							
Heating and piping.....	35,572	5,813	4.0	16.3	66,611	100.0							
Roofing and sheet-metal work.....	113,140	110,478	80.5	97.6	242,560	100.0							
Roofing.....	113,140	110,478	80.5	97.6	242,560	100.0							

¹ Based upon the difference between the total value of all construction business reported and the value of subcontract work let.
² See footnote 3 of Table 9 on p. 398.
³ Includes operative builders.
⁴ Includes cost of materials reported by establishments which did not include designated material in their distributed lists.
⁵ Includes construction work reported by establishments which did not include the designated material in their distributed lists.
⁶ Less than one-tenth of 1 per cent.
⁷ Includes cost of materials reported by operative builders who did not include the designated materials in their distributed lists.
⁸ Includes construction work reported by operative builders who did not include the designated materials in their distributed lists.
⁹ Includes construction work reported by subcontracting establishments which did not include the designated material in their distributed lists.
¹⁰ Includes construction work reported by subcontracting establishments which did not include the designated material in their distributed lists.

CONSTRUCTION—ILLINOIS

TABLE 11.—COST OF MATERIAL FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929

[This table is made up in three sections; the second section begins on p. 411, the third section on p. 412]

CLASSIFICATION OF ESTABLISHMENTS	Total cost of all materials	COST OF ALL MATERIALS DISTRIBUTED BY KIND		Sand, gravel, crushed stone, slag, cinders, etc.	Brick (face, common, fire, paving, etc.)	Tile (fire-proofing)	Tile, facing, terra cotta, floor, and wall	Concrete and cinder block	Cut stone, granite and marble	Riprap, rubble, etc.	Cement	Lime	Plaster, etc.	Structural steel
		Amount	Per cent of total											
	Dollars	Dollars	Per cent	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
ILLINOIS	186,278,767	147,138,468	79.0	214,622,884	6,391,606	2,854,986	2,922,627	809,389	2,396,745	205,227	11,025,573	808,386	2,094,312	8,080,794
Operative builders.....	353,906	232,514	65.7	3,126	10,860	189	2,512	7,626			4,758	668	3,516	3,075
General contractors.....	95,636,919	70,008,694	73.2	12,040,227	4,027,844	652,618	314,086	611,823	1,381,149	193,825	9,291,784	377,140	156,205	6,728,809
Building.....	51,232,471	33,478,644	65.3	3,810,237	4,109,647	617,829	308,182	510,246	1,196,341	69,618	4,145,452	370,939	155,905	1,531,050
Building not specialized.....	41,222,174	25,359,891	61.5	2,970,090	3,231,897	500,674	288,816	252,607	990,711	65,382	3,122,925	277,162	118,582	1,061,556
Commercial building only.....	4,092,532	4,127,209	88.0	578,170	516,270	47,528	5,225		125,288		787,508	34,853	22,401	136,395
Manufacturing building only.....	1,755,613	1,542,613	87.9	157,798	82,744		2,000	200,200	15,640		171,167	31,483		200,280
Residential building only.....	3,602,152	2,468,871	68.3	104,179	338,730	9,627	12,141	57,439	64,702	4,236	63,852	27,451	14,832	42,879
Highway.....	5,055,029	4,216,807	83.4	2,519,190	8,054	1,000	254		3,544		883,724	1,103		61,200
Bridge and culvert.....	4,121,192	3,150,321	76.4	431,184	20,488	2,300	450	3,591	30,000	300	323,700	100	300	1,264,698
Grading.....	93,189	87,098	93.6	84,766	26						930			
Street paving.....	13,043,130	10,770,010	82.6	3,812,700	141,008	3,537		37,359	32,687	1,000	3,129,907	380		15,992
Sewer, gas, water, conduit.....	4,382,282	2,732,306	62.3	258,210	135,844			1,200	32,105		2,012	182,054	1,772	82,726
Dam and reservoir.....	386,817	256,052	66.4	7,342	150						4,100			18,453
Dredging, river, harbor, etc.....	2,003,294	2,003,294	100.0	165,897							120,895			573,321
Levee.....	20,000	20,000	100.0											260
Railroad.....	3,029,026	2,094,470	69.5	320,040	16,922				6,782		109,795		208	1,613,671
Central station, light and power plant.....	402,081	304,439	75.7	130,766	40,025	0,000								
Refuse disposal plant.....	10,981,989	9,776,223	89.0	510,165	87,817	21,947	4,000	28,542	2,000		182,011	2,682		1,548,999
.....	231,774	231,774	100.0	39,080	948						49,625			18,400
Subcontractors.....	60,289,942	76,897,250	85.2	2,570,531	1,753,202	2,202,184	2,005,929	180,941	1,015,596	11,402	1,730,031	430,878	1,034,561	1,348,860
Carpentering and wood flooring.....	2,258,897	2,088,478	92.5	2,175	6,894	1,600		6,800	1,400		340	192	2,111	6,833
Concreting.....	2,740,963	2,552,934	93.1	1,146,422	40,766	5,411		506	4,046		926,055	13,587	4,524	18,016
Electrical.....	10,705,563	10,490,105	97.2	25,923	100			400	35,000		5,260			3,121
Elevator construction.....	6,972,698	6,784,008	97.3											
Heating and plumbing.....	84,398,576	27,175,576	32.1	7,163	2,224	2,080		1,029			10,892	3,270	9,005	5,840
Heating and piping.....	15,641,740	11,404,463	73.3	501	2,224			579			2,120			4,890
Pipe covering.....	389,034	389,034	100.0											
Plumbing.....	13,111,740	11,842,262	90.3	6,662		2,080		450			8,762	3,270	9,005	450
Plumbing and heating combined.....	2,562,025	900,764	35.2											
Automatic temperature control.....	166,760	166,750	100.0											
Automatic sprinkler systems.....	2,526,687	2,412,303	95.5											
Masonry.....	7,453,390	6,192,872	83.1	565,601	1,547,832	2,077,746	172,823	57,213	125,547	6,354	223,256	120,584	342,368	203,648
Painting and decorating.....	2,021,695	2,013,065	99.7								34		975	
Glass and glazing.....	763,210	757,115	99.2											
Plastering and lathing.....	4,291,777	3,367,532	78.5	268,026	63	23,005	1,168	1,500			120,062	275,050	1,566,231	812
Roofing and sheet metal work.....	5,764,630	4,524,074	78.5	20,269	500	92,342	2,199				7,563	494	425	
Roofing.....	3,681,633	2,864,642	77.8	22,960		92,342	2,100				7,043	84	125	
Sheet metal work.....	1,681,545	1,164,352	69.2	2,017	600						520	416	300	
Roofing and sheet metal combined.....	521,352	495,080	95.0	1,292										
Steel erection.....	1,010,326	881,689	87.3											843,651
Stonework.....	878,804	647,723	73.7						72,130	571,766	2,648		1,180	
Marble and tiling.....	3,875,241	3,399,100	87.7	246,817	148,441		2,424,020	2,400	292,734		197,229	7,796	7,687	
Excavating.....	58,951	58,951	100.0	17,411										
Ornamental iron.....	993,705	229,792	23.1								1,400			
Highway.....	20,578	20,578	100.0	15,418	5,000									
Bridge and culvert.....	19,824	19,824	100.0	4,267										3,089
Grading.....	2,819	2,819	100.0	2,819										
Street paving.....	521,459	504,659	96.8	208,514	617			8,723	16,050		232,377			
Sewer, gas, water, conduit.....	11,125	11,125	100.0	1,000							1,325			
Dredging, river, harbor, etc.....	34,010	34,010	100.0	750							960			
Soundproofing.....	76,449	76,449	100.0	800							900			416
Foundation.....	234,935	113,409	48.3	35,195										
Metal work, n. e. s.....	3,894,233	3,809,859	97.8					1,000						199,769
Rental of equipment, trucking, etc.....	42,440	42,440	100.0	5,871	872						2,177			3,555
Flooring, n. e. s.....	544,714	497,714	91.4				4,819							
CHICAGO	143,441,412	117,981,498	82.3	9,831,003	5,084,809	3,684,498	3,425,779	538,504	1,681,388	130,334	7,644,682	802,938	1,617,941	6,623,465
Operative builders.....	151,274	20,882	13.8	692	2,831						348	280		
General contractors.....	67,696,587	51,316,872	75.8	7,597,552	3,508,170	487,203	167,831	439,496	880,171	126,486	6,121,870	273,634	83,185	5,763,093
Building.....	35,946,850	23,733,340	66.0	2,851,801	3,179,638	453,013	162,631	393,403	700,957	4,591	3,319,185	268,412	83,185	884,249
Building not specialized.....	27,834,336	16,065,025	57.9	2,000,646	2,327,848	397,208	154,494	152,470	503,973	2,935	2,841,059	178,500	55,094	459,180
Commercial building only.....	4,553,819	4,021,649	88.3	566,170	499,776	47,528	2,225		125,188		768,008	34,753	22,491	132,835
Manufacturing building only.....	1,483,638	1,483,638	100.0	154,798	76,744		2,000	200,200	15,640		167,417	31,408		268,260
Residential building only.....	2,075,057	1,562,434	75.3	70,187	275,270	8,277	3,912	30,733	56,166	1,056	42,701	23,751	5,600	23,965
Highway.....	1,276,520	1,023,520	80.2	559,740	2,400	1,000					276,820	1,010		11,600
Bridge and culvert.....	3,426,807	2,559,993	74.7	335,830	20,488	2,300		3,591	30,000		269,150	100		1,037,844
Grading.....	19,400	19,400	100.0	3,000										
Street paving.....	7,402,011	6,872,377	92.8	2,513,049	29,808	3,003			30,637	1,000	1,568,028			13,163

See footnotes at end of table.

TABLE 11.—COST OF MATERIAL FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929—Continued

CLASSIFICATION OF ESTABLISHMENTS	Total cost of all materials ¹	COST OF ALL MATERIALS DISTRIBUTED BY KIND		Sand, gravel, crushed stone, slag, cinders, etc.	Brick (face, common, fire, paving, etc.)	Tile (fire-proofing)	Tile, facing, terra cotta, floor, and wall	Concrete and cinder block	Cut stone, granite and marble	Rivrap, rubble, etc.	Cement	Limo	Plaster, etc.	Structural steel
		Amount	Per cent of total											
CHICAGO—Continued														
General contractors—Contd.	Dollars	Dollars		Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Sewer, gas, water, conduit	3,341,533	2,113,730	63.3	220,845	124,190			1,200			145,800	1,272		81,318
Dredging, river, harbor, etc.	2,003,204	2,003,204	100.0	165,897						120,895	180,490			573,321
Levee	6,782	6,782	100.0						6,782					
Railroad	3,008,369	2,903,813	96.5	316,377	16,962				109,795		110,421	208		1,612,771
Foundation	325,736	257,840	79.2	110,700	46,025	6,000					68,500			
Central station, light and power plant	10,930,654	9,755,040	89.2	509,955	87,711	21,947	4,000	28,542	2,000		181,635	2,632		1,548,818
Refuse disposal plant	7,731	7,731	100.0	4,298	948						832			
Subcontractors	75,593,551	66,634,744	88.1	2,232,759	1,573,608	2,197,235	2,257,948	99,008	801,217	3,848	1,522,458	329,018	1,534,750	860,372
Carpentering and wood flooring	2,181,297	2,031,013	93.1	75	4,800	800		6,100	1,400		40	42		6,833
Concreting	2,527,703	2,362,674	93.5	1,038,008	36,759	5,411	500	1,846	4,250	1,000	878,563	13,377	4,524	13,066
Electrical	9,364,197	9,195,526	98.2	23,742	100		400	35,000			5,260			2,900
Elevator construction	6,792,698	6,604,698	97.2											
Heating and plumbing	27,551,389	23,318,563	84.6	6,927	2,224	2,080		1,029			10,025	3,270	9,095	5,340
Heating and piping	13,805,928	10,031,385	73.0	501	2,224			579			2,120			4,880
Pipe covering	389,034	389,034	100.0											
Plumbing	10,401,340	10,032,796	96.5	6,420		2,080		450			8,505	3,270	9,095	450
Plumbing and heating combined	426,034	276,265	64.9											
Automatic temperature control	106,750	106,750	100.0											
Automatic sprinkler systems	2,372,303	2,372,303	100.0											
Masonry	6,577,052	5,831,059	88.6	510,277	1,380,174	2,073,597	166,722	44,710	104,769	200	182,349	112,554	337,458	246,890
Painting and decorating	2,100,413	2,182,413	99.6								34		903	
Glass and glazing	540,357	540,292	98.9											
Plastering and lathing	3,312,336	2,529,525	76.4	211,555	63	23,005	1,168				80,800	193,437	1,175,234	812
Roofing and sheet-metal work	4,037,935	3,161,513	78.3	23,820	500	92,342					6,334	494	425	
Roofing	2,518,214	2,031,362	80.7	20,511		92,342					6,334	84	125	
Sheet-metal work	1,327,635	928,065	70.7	2,017	500						500	410	300	
Roofing and sheet metal combined	192,080	192,086	100.0	1,292										
Steel erection	525,466	418,829	79.7											380,791
Stonework	607,124	470,983	77.6								467,155			1,180
Marble and tiling	3,230,351	2,864,790	88.7	200,468	148,316		2,089,168				207,693	2,648		5,877
Excavating	857	857	100.0	400										
Ornamental iron	983,913	200,000	20.7											
Street paving	404,740	404,740	100.0	170,118				8,723	16,050		180,850			
Soundproofing	70,449	70,449	100.0	300							900			410
Foundation	234,935	113,469	48.3	35,195										
Metal work, n. e. s.	3,894,233	3,809,859	97.8					1,600						199,769
Rental of equipment, trucking, etc.	42,440	42,440	100.0	5,871	872						2,177			3,555
Flooring, n. e. s.	521,000	474,000	91.0											
PEORIA	3,597,527	2,842,616	79.0	2,563,014	208,714	23,706	67,886	13,495	123,980	40,000	2,381,603	25,491	68,529	129,993
Operative builders	12,771	12,771	100.0	430	290			960			600	90	216	
General contractors	2,606,192	2,078,666	79.8	493,917	204,402	23,706	15,451	7,701	66,293	40,000	331,617	11,701	1,748	129,528
Building	1,642,025	1,132,848	69.0	77,769	177,430	23,706	15,451	7,701	66,293	40,000	90,027	11,701	1,748	117,198
Building not specialized	1,393,200	935,208	67.1	75,778	150,792	22,706	10,460	2,209	62,593	40,000	94,417	10,582	1,298	109,807
Commercial building only	42,793	9,700	22.7	500	1,500						500	100		2,500
Residential building only	205,042	187,042	91.3	1,491	19,138	1,000	5,001	5,492	3,600		1,110	1,019	450	4,891
Highway	639,019	639,019	100.0	356,731	666						164,807			12,072
Grading	4,736	4,736	100.0	3,300										
Street paving	185,369	167,020	90.1	47,675	25,939						62,172			258
Sewer, gas, water, conduit	135,043	135,043	100.0	8,442	367						8,611			
Subcontractors	978,564	751,179	76.8	68,667	4,022		52,435	4,834	57,687		49,380	13,700	66,565	465
Electrical	48,182	48,182	100.0											
Heating and plumbing	386,016	198,033	50.0								72			
Heating and piping	92,907	35,572	38.3											
Plumbing	135,256	114,082	84.3								72			
Plumbing and heating combined	43,370	43,370	100.0											
Masonry	10,253	10,253	100.0	966	3,505			2,434	1,026		1,857			465
Painting and decorating	19,683	19,683	100.0											
Plastering and lathing	125,024	125,024	100.0	16,752							500	13,600	64,870	
Roofing and sheet-metal work	147,542	113,140	76.7	300										
Roofing	113,140	113,140	100.0	300										
Marble and tiling	167,991	167,991	100.0	25,273			52,435	2,400	56,661		13,950	100	1,695	
Street paving	73,873	73,873	100.0	25,376	517						33,007			

See footnotes at end of table.

CONSTRUCTION—ILLINOIS

TABLE 11.—COST OF MATERIAL FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929—Continued

CLASSIFICATION OF ESTABLISHMENTS	Reinforcing steel	Cast iron, miscellaneous, excluding pipe	Metal doors, windows, and trim	Metal and wire lath and furring	Orna-mental metal work	Lumber, rough and finished	Laths, shingles, and shakes	Millwork	Compo-sition board	Water-proofing materials	Hard-ware, rough and finished	Paints, var-nishes, and glass	Roofing and sheet metal	Fin-ished floor-ing, n. e. s.	Screens, shades, awn-ings, etc.
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
ILLINOIS	6,492,117	432,267	1,378,576	442,787	455,144	8,994,199	549,820	4,120,427	731,572	183,070	1,387,383	3,704,569	4,411,403	771,487	118,263
Operative builders		120	694	1,200	900	91,081	1,120	26,252	1,784	200	7,158	4,223	4,360	744	1,883
General contractors	6,215,905	203,780	311,589	64,984	277,036	7,529,418	72,797	3,356,536	137,618	84,734	1,158,680	277,181	442,571	228,563	46,804
Building	2,023,920	108,392	290,069	64,984	164,065	6,087,372	72,797	3,320,689	135,208	60,843	890,085	229,915	350,361	217,418	42,064
Building not specialized	1,528,234	63,911	240,546	58,622	154,254	4,553,455	42,677	2,557,281	114,657	47,348	662,484	153,780	218,343	176,115	35,349
Commercial building only	337,642	31,210	12,908	3,460	5,934	631,909	12,750	2,225	4,070		130,078	28,613	57,018	4,180	1,304
Manufacturing building only	143,296	11,095	26,463	2,000	500	151,340		10,142	3,350	5,061	14,633	5,000	50,216		
Residential building only	14,748	2,170	10,162	902	4,277	750,656	17,370	566,988	15,666	2,804	74,490	33,618	24,184	37,118	5,411
Highway	360,266	1,084	33		34	68,216		897			14,508	928			
Bridge and culvert	310,914	14,500	7,500		5,000	230,538		2,500		3,750	35,505	42,996	35,624		
Grading	13,368					1,436						77			
Street paving	470,514	17,248	100		330	85,710			2,320	3,780	30,060	103	327		
Sewer, gas, water, conduit	24,134	49,603	19			110,838		10,050		1,086	2,489	3,025	1,015	2,000	
Dam and reservoir	4,097		500			6,883		400			100	125	100	50	
Dredging, river, harbor, etc.	59,516	209				283,619					48,424	302			
Levee						2,932					48,424				
Railroad	290,047					171,692				343	3,019				
Foundation	19,268					7,827		1,700			2,500	1,700			
Central station, light and power plant	2,563,059	9,222	13,308		107,607	476,024		20,500		8,225	130,838	9,012	48,500	9,100	4,240
Refuse disposal plant	57,302	3,402				6,320				4,207					
Subcontractors	276,212	228,307	1,060,293	376,603	176,308	1,375,700	476,903	737,639	592,200	98,736	221,500	3,423,155	3,904,466	542,180	70,076
Carpentering and wood floor-ing		210	802	240		1,157,532	1,240	722,737	4,548	1,829	110,485	28,620	3,052	7,260	4,354
Concreting	125,785	2,148		1,585	1,100	88,490		2,255	1,067	47,843	1,399	26,500	63,892	50	
Electrical	110	1,596				5,660		2,209	1,206		1,376	75			
Heating and plumbing	150	126,765	2,000	1,200		1,400	100		255,920	100	2,008	1,722	102,540	70	282
Heating and piping		113,192	2,000			690			3,683		2,000	1,460	79,247	70	282
Pipe covering									252,237						
Plumbing	150	13,573		1,200		770	100			100	603	262	6,778		
Plumbing and heating com-bined															
Masonry	126,610	46,836	1,158	42,786	710	72,011	3,200	6,895	70,302	2,638	33,422	4,499	6,584		
Painting and decorating						1,744				400		2,610,512			
Glass and glazing											741,547				
Plastering and lathing			11,939	329,938		8,880	467,977	3,193	95,083	10,504	13,582	12,563			
Roofing and sheet-metal work		37,100		150	2,294	4,105	3,386		77,898	32,604	36,244	11,280	3,825,709		
Roofing						3,201	2,871		63,729	32,273	34,365	2,162	2,392,681		
Sheet-metal work			27,005	150	2,294	615	190		10,130	391	1,070	8,985	959,032		
Roofing and sheet metal combined			9,405			349	325		4,039		200	139	473,906		
Steel erection			37,556												
Marble and tiling	1,208			612	814	250			15,450	744	2,977	9,335			
Excavating	1,100					878					29				
Ornamental iron		50,000			150,000										
Bridge and culvert	5,844					2,412					526				
Street paving	11,668					5,344					7,232				
Sewer, gas, water, conduit						200									
Dredging, river, harbor, etc.	611					11,000					1,014				
Soundproofing		212		80		492		2,559	60,693	748					
Foundation	3,226														
Metal work, n. e. s.			975,678		21,384										65,360
Rental of equipment, truck-ing, etc.											938				
Flooring, n. e. s.						14,583								470,958	
CHICAGO	5,260,356	347,661	1,227,152	319,873	339,218	6,796,034	369,680	2,822,925	605,855	150,442	1,047,250	2,965,137	2,887,641	645,806	100,047
Operative builders						9,898		12,142			1,642	923	1,120		
General contractors	5,002,010	123,955	163,852	32,349	165,774	5,463,512	38,538	2,095,578	69,105	53,504	835,598	164,017	281,238	121,583	30,721
Building	1,680,784	91,416	142,984	32,349	53,107	4,167,709	38,538	2,062,578	69,105	37,700	589,672	122,047	195,287	110,433	26,481
Building not specialized	1,194,376	43,711	103,917	28,243	45,911	2,975,092	20,268	1,522,522	60,788	26,392	396,824	80,257	77,621	75,916	24,299
Commercial building only	380,642	31,210	12,708	3,400	5,934	620,472	12,750	180,842	2,225	4,070	136,378	29,613	57,018	4,180	1,304
Manufacturing building only	143,046	11,095	21,003			139,349		8,642	3,000	5,111	14,633	3,829	56,216		
Residential building only	12,721	400	4,396	646	1,322	422,796	5,520	350,572	3,092	1,557	41,837	11,848	4,432	30,387	878
Highway	43,309					14,234					587		500		
Bridge and culvert	206,642	500	7,500		5,000	180,404		2,500		3,760	32,587	30,180	35,624		
Grading	4,000														
Street paving	116,437	810				66,608					20,627	103	327		
Sewer, gas, water, conduit	16,003	21,907				102,863		10,000		986	2,371	3,000	1,000	2,000	
Dredging, river, harbor, etc.	59,516	269				283,619					48,424				
Railroad	294,947					168,692				343	3,019				
Foundation	17,208					6,627				2,500	1,100				
Central station, light and power plant	2,563,053	9,053	13,308		107,607	470,013		20,500		8,225	130,838	9,000	48,500	9,100	4,240
Refuse disposal plant						1,659									
Subcontractors	248,337	223,706	1,063,300	287,524	173,444	1,322,624	331,142	715,205	536,760	96,938	210,010	2,789,297	2,905,284	524,222	69,326
Carpentering and wood floor-ing		210	802	246		1,131,931	1,240	702,296	4,348	1,829	108,235	28,376	3,052	7,260	3,886
Concreting	115,063	1,779		1,585	1,100	84,321		2,255	1,067	47,744	12,368	1,348	20,500	63,892	50
Electrical		1,596				2,892			2,209	1,206		1,348			
Heating and plumbing	150	126,765	2,000	1,200		1,165	100		255,920	100	2,050	347	12,303	70	
Heating and piping		113,192	2,000			516			3,683		2,000	235	12,303	70	
Pipe covering									252,237						
Plumbing	150	13,573		1,200		650	100			100	50	112			
Masonry	126,235	43,144	1,068	41,450	366	69,926		4,902	70,262	2,563	32,814	4,499	6,584		
Painting and decorating												2,181,416			
Glass and glazing												540,392			
Plastering and lathing			9,036	242,757		8,443	327,987	3,193	63,267	10,410	11,362	11,978			

See footnotes at end of table.

CONSTRUCTION—ILLINOIS

TABLE 11.—COST OF MATERIAL FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929—Continued

CLASSIFICATION OF ESTABLISHMENTS	Reinforcing steel	Cast iron, miscellaneous, excluding pipe	Metal doors, windows, and trim	Metal and wire lath and furring	Ornamental metal work	Lumber, rough and finished	Laths, shingles, and shakes	Millwork	Composition board	Waterproofing materials	Hardware, rough and finished	Paints, varnishes, and glass	Roofing and sheet metal	Finished flooring, n. c. s.	Screens, shades, awnings, etc.	ILLINOIS		
																Dollars	Dollars	
CHICAGO—Continued																		
Subcontractors—Continued	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars		
Roofing and sheet-metal work			37,160	150	594	2,890	1,815		55,014	31,000	32,458	10,357	2,556,845					
Roofing						2,334	1,325		40,845	31,200	30,570	1,462	1,623,048					
Sheet-metal work			27,695	150	594	565	165		10,130	391	1,679	8,895	701,707					
Roofing and sheet metal combined			9,465				325		4,039		200		171,400					
Steel erection			37,556															
Marble and tiling	729			50			200		15,000	729	2,524	9,335						
Excavating							428											
Ornamental iron		50,000			150,000													
Street paving	2,934						5,344				7,232							
Soundproofing		212		86			492		2,559	69,663	748							
Foundation	3,226																	
Metal work, n. e. s.			975,678		21,384													65,390
Rental of equipment, trucking, etc.							14,533				938							
Flooring, n. e. s.																		453,000
PEORIA	143,902	4,538	44,088	23,105	32,873	185,002	9,435	122,638	7,052	3,207	50,028	19,998	127,668	7,240	1,048			
Operative builders						5,200	326	2,625			685		696		138			
General contractors	135,108	4,538	44,088	553	32,809	182,702	2,080	120,013	5,082	2,707	48,727	165	10,666	7,240	910			
Building	52,046	3,517	44,088	553	32,809	167,626	2,080	120,013	2,985	2,707	41,900	105	10,666	7,240	910			
Building not specialized	51,036	3,457	43,448	433	32,320	95,327	1,780	64,604	895	2,240	33,620	105	4,413	6,490	308			
Commercial building only						2,000		2,500										
Residential building only	1,010	60	640	120	489	70,269	300	52,009	2,093	467	8,340		6,263	750	602			
Highway	66,010					8,047					6,707							
Grading						1,436												
Street paving	14,510					1,003			2,094									
Sewer, gas, water, conduit	2,593	1,021				4,590												
Subcontractors	8,734			22,552	64	100	7,026		1,970	500	616	19,333	116,291					
Heating and plumbing						100						150	5,813					
Heating and piping						100						150	5,813					
Plumbing												19,683						
Painting and decorating																		
Plastering and lathing				22,110			7,026				163							
Roofing and sheet-metal work										1,520	500		110,478					
Roofing										1,520	500		110,478					
Marble and tiling				442	64					450								
Street paving	8,734																	

CLASSIFICATION OF ESTABLISHMENTS	Heating and ventilating equipment	Plumbing and gas fitting equipment	Electrical appliances and supplies	Elevators, dumb-waiters, etc.	Pipe: Drain tile, vitrified, concrete, etc.	Pipe: Cast iron, sheet and tube steel, etc.	Wire cable, guards, and fencing	Bituminous paving materials	Wood piling and timber	Ready mixed concrete	Machinery	Metal products, n. c. s.	ILLINOIS		
													Dollars	Dollars	
ILLINOIS	\$13,889,517	\$14,128,694	\$10,975,665	\$6,926,309	\$1,811,124	\$2,607,082	\$112,870	\$2,226,414	\$179,674	\$135,229	\$2,440,011	\$3,233,722	\$2,084,389		
Operative builders	14,357	27,647	7,786									3,000	1,700		
General contractors	1,210,771	537,645	1,004,740	135,661	1,642,831	1,723,701	80,735	2,073,080	131,100	135,229	2,425,322	611,504	1,498,424		
Building	180,728	237,112	250,686	118,169	83,032	73,569	14,205	18,273		127,547	1,090,650	22,206	319,765		
Building not specialized	180,336	127,411	170,646	23,642	80,777	72,468	13,525	6,908		82,840	757,260	10,268	298,962		
Commercial building only	27,033	7,542	6,280	94,527		498	770	11,365		44,707	199,061	2,528	18,199		
Manufacturing building only			24,804								134,338		1,460		
Residential building only	23,359	102,159	39,950		1,670	603						500	1,144		
Highway		661	850		76,941	1,877	4,978	116,021	1,354				88,458		
Bridge and culvert	1,300	297	40,408	1,500	5,135	7,675	19,959	150	15,137		90,370	140,371	62,080		
Grading					8,695	7,500	150	750							
Street paving		80,533	45,733		209,218	45,703	799	1,925,130	400				2,255	680,536	
Sewer, gas, water, conduit	20,000	133,589	4,215	12,192	1,171,233	372,003	1,183	1,223		7,682			108,143		
Dam and reservoir	100	5,000			83,464	800	2,337	11,051			131,000				
Dredging, river, harbor, etc.						6,350			113,723			444,784			
Levee					307								19,104		
Railroad	308,643				1,104	4,137			480				16,823		
Foundation													1,703		
Central station, light and power plant	700,000	80,463	637,869	3,800	23,642	1,100,725	46,034	4,882			1,113,293		187,707		
Refuse disposal plant			24,979			12,802							14,100		
Subcontractors	12,064,380	13,594,402	9,968,030	6,789,648	168,203	883,291	22,935	147,334	48,574		14,689	2,619,218	584,265		
Carpentering and wood flooring	590	3,500	700												
Concreting								3,600					9,022		
Electrical	1,447	142,154	9,888,625		1,188	350,442	22,391	952					6,280		
Elevator construction				6,784,698				249					2,762		
Heating and plumbing	12,514,475	13,414,548	73,714		104,464	504,257	50		5,000				23,007		
Heating and piping	10,587,930	449,745	72,114		2,521	131,548			5,000				2,658		
Pipe covering	134,228	2,569													
Plumbing	1,228,233	10,147,490	500		93,550	323,134	50								
Plumbing and heating combined	402,325	430,441	1,100		8,393	21,575									
Automatic temperature control	166,750														20,400
Automatic sprinkler systems		2,384,303				28,000									
Masonry	1,750			3,700	17,413		472						4,304	234,959	
Glass and glazing													15,568		
Plastering and lathing														157,300	
Roofing and sheet-metal work	149,127					742		128,384				14,089	3,717	69,667	
Roofing	15,279					442		125,159					1,993	65,734	
Sheet metal work	123,798					300						14,680	1,724	3,933	
Roofing and sheet metal combined	2,050							3,225							

See footnotes at end of table.

CONSTRUCTION—ILLINOIS

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TABLE 11.—COST OF MATERIAL FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929—Continued

CLASSIFICATION OF ESTABLISHMENTS	Heating and ventilating equipment	Plumbing and gas fitting equipment	Electrical appliances and supplies	Elevators, dumb-waiters, etc.	Pipe: Drain tile, vitrified, concrete, etc.	Pipe: Cast iron, sheet and tube steel, etc.	Wire cable, guards, and fencing	Bituminous paving materials	Wood piling and timber	Ready mixed concrete	Machinery	Metal products, n. e. s.	Miscellaneous ¹
ILLINOIS—Continued	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Subcontractors—Continued.													
Steel erection												482	
Marble and tiling				1,250								22,092	10,845
Excavating					36,260			1,873					29,792
Ornamental iron									130				3,006
Bridge and culvert													
Street paving					3,988			10,266					
Sewer, gas, water, conduit					5,000	3,000							
Dredging, river, harbor, etc.									1,427				0,170
Soundproofing													
Foundation						24,850		1,073					
Metal work, n. e. s.		4,200							42,017			3,795	4,386
Rental of equipment, trucking, etc.												2,541,838	
Flooring, n. e. s.								637				14,444	21,000
CHICAGO	12,002,667	12,002,766	9,518,527	6,724,534	1,073,307	2,348,683	82,169	1,929,038	104,197	135,229	2,287,927	3,174,506	1,749,670
General contractors	1,100,105	382,419	916,549	114,886	977,641	1,509,945	59,309	1,800,487	122,180	135,229	2,273,238	605,169	1,222,825
Building	70,162	156,514	206,276	109,580	9,813	18,304	12,110	15,315		127,547	1,000,575	18,309	212,470
Building not specialized	39,009	64,366	140,253	15,059	8,336	17,806	11,340	3,950			760,509	18,300	193,628
Commercial building only	27,033	7,542	2,800	94,527		408	770	11,365			184,728		17,699
Manufacturing building only			24,804		685								460
Residential building only	10,120	84,600	32,410		702								385
Highway		501			12,947	200	2,389		67,217				20,067
Bridge and culvert	1,300		37,008	1,500	4,761	7,075	4,574		100	7,071	90,370	140,371	57,067
Grading					4,900	7,500							
Street paving		18,800	21,338		102,171	8,387		1,712,880				1,095	642,407
Sewer, gas, water, conduit	20,000	125,844	4,215		823,095	272,220		132		7,082			94,873
Dredging, river, harbor, etc.						0,350			113,723				444,784
Railroad	308,643				1,164	4,187			480				14,898
Central station, light and power plant	700,000	80,463	647,712	3,800	20,790	1,185,122	40,236	4,834			1,113,293		172,058
Subcontractors	10,956,562	11,620,347	8,601,078	6,000,048	95,820	836,738	22,800	128,551	42,017		14,680	2,560,347	526,845
Carpentering and wood flooring	500	3,500	700					3,600					9,022
Concreting					1,133		22	952					4,100
Electrical	1,447	142,154	8,600,428			350,442	22,391	240					2,762
Elevator construction				0,004,698									
Heating and plumbing	10,843,349	11,470,493	850		77,340	460,704							23,067
Heating and piping	9,626,214	174,282	350		2,021	131,548							2,658
Pipe covering	134,228	2,600											
Plumbing	808,414	8,816,196	500		75,310	286,156							
Plumbing and heating combined	107,743	133,143				15,000							20,400
Automatic temperature control	100,750												
Automatic sprinkler systems		2,344,303				28,000							
Masonry	1,750			3,700	17,353		447					4,304	234,032
Plastering and lathing													154,937
Roofing and sheet-metal work	109,426					742		114,082			14,680	1,724	66,943
Roofing	5,655					442		111,457					63,010
Sheet-metal work	101,721					300					14,680	1,724	3,933
Roofing and sheet metal combined	2,050							3,225					
Steel erection												482	
Marble and tiling				1,250								2,760	6,566
Street paving								7,995					
Soundproofing								1,073					
Foundation						24,850			42,017			3,795	4,386
Metal work, n. e. s.		4,200										2,541,838	
Rental of equipment, trucking, etc.												14,444	
Flooring, n. e. s.													21,000
PEORIA	62,308	119,914	49,371	685	128,667	9,225	2,225	10,434	1,078			7,400	20,093
Operative builders			270										246
General contractors	2,426	581	910	685	110,810	6,425	2,225	7,821	1,070			100	13,060
Building	2,426	581	910	685	337	125	808	705				100	1,680
Building not specialized	2,426	581	919	685	337	125	808	705				100	1,862
Residential building only													318
Highway					7,230		839	3,365	1,070				11,400
Street paving					3,892	5,717		3,751					
Sewer, gas, water, conduit					108,348	583	458						
Subcontractors	59,882	119,333	48,182		8,851	2,800		2,613				7,300	6,768
Electrical			48,182										
Heating and plumbing	59,882	119,333			4,883	2,800							
Heating and piping	23,873	5,581			500								
Plumbing	20,300	80,360			3,800	2,800							
Plumbing and heating combined	15,404	27,392			583								
Roofing and sheet-metal work								342					
Roofing								342					
Marble and tiling												7,300	6,768
Street paving					3,968			2,271					

¹ Certain establishments did not give a distribution of the cost of their materials by separate items. The total cost of materials reported by such establishments is, however, included in totals in this column, which carry a footnote to that effect.

² See note 3, Table 9, p. 308.

³ Includes waterworks, \$43,049.

⁴ Includes automatic sprinkler systems, \$114,354.

⁵ Includes sheet metal work, \$3,130; and roofing and sheet metal combined, \$26,272.

⁶ Includes the reported cost of freight, hauling, or trucking to job: cast forms, beads, etc.; chemicals and chemical products; mineral products (nonmetallic), n. e. s.; sealing materials; textiles and calking materials; and miscellaneous, n. e. s. For total cost of these items see Table 9.

CONSTRUCTION—ILLINOIS

TABLE 12.—NUMBER OF AND VOLUME OF BUSINESS REPORTED BY ESTABLISHMENTS DOING A CONSTRUCTION BUSINESS OF LESS THAN \$25,000 IN 1929, PERCENTAGE OF TOTAL NUMBER OF KNOWN ESTABLISHMENTS, AND AVERAGE VOLUME PER ESTABLISHMENT

TYPES OF WORK	ILLINOIS 1930 population, 7,630,654								CHICAGO 1930 population, 3,376,438			PEORIA 1930 population, 104,969			REMAINDER OF STATE 1930 population, 4,149,247		
	Known contracting establishments				Volume of business reported				Total number active in 1929	Volume of business		Total number active in 1929	Volume of business		Total number active in 1929	Volume of business	
	Total number	Inactive in 1929	Active in 1929		Number of reporting establishments	Per cent of active	Amount	Average per establishment		Number of reporting establishments	Amount		Number of reporting establishments	Amount		Number of reporting establishments	Amount
			Number	Per cent													
Total establishments canvassed (less than \$25,000)	6,888	192	6,796					2,397			247			3,652			
Total establishments, type of work unknown	186	3	183	12	6.6	\$58,832	\$4,003	27	2	\$4,400	63	2	\$13,000	93	8	\$41,432	
Total general and subcontractors classified	6,702	89	6,613	100.0				2,870			184			3,559			
Total general contractors classified	1,405	50	1,355	20.5	268	19.8	2,095,696	7,820	471	39	440,423	62	9	108,598	822	220	1,537,075
Building	1,132	35	1,097	16.6	219	20.0	1,649,000	7,530	374	28	348,358	53	8	105,501	670	183	1,105,051
Highway	104	13	91	1.4	22	24.2	219,655	9,984	37	2	25,177	7			47	0	194,478
Bridge and culvert	82	1	81	1.2	6	7.4	52,957	8,826							81	0	52,957
Sewer, gas, water, conduit	79	1	78	1.2	21	26.9	174,084	8,290	53	9	75,888	1	1	3,007	24	11	95,189
Street paving	6		6						5			1					
Railroad	2		2	(?)					2								
Total subcontractors classified	5,297	39	5,258	79.5	1,210	23.0	10,891,196	9,001	2,399	356	3,706,503	122	35	290,125	2,737	819	6,894,568
Carpentering	724	3	721	10.9	155	21.5	1,145,650	7,301	268	38	355,376	36	10	67,566	417	107	722,708
Concreting	315	4	311	4.7	71	22.8	604,237	8,510	71	9	126,427	10	1	6,200	230	61	471,610
Electrical	602	7	595	9.0	111	18.7	1,073,919	9,675	290	37	393,643	12	2	6,820	293	72	673,456
Heating and ventilating	128	3	125	1.9	34	27.2	416,779	12,258	100	15	198,511	1	1	14,208	24	18	209,060
Painting and decorating	929	1	928	14.0	235	25.3	1,586,272	6,750	323	48	436,037	28	5	30,867	577	182	1,110,378
Glass and glazing	26		26	.4	2	7.7	16,000	8,000	14	1	9,000				12	1	7,000
Plastering	338	2	336	5.1	83	24.7	673,505	8,115	149	21	201,695	8	6	48,048	170	50	423,762
Plumbing and heating	1,033	4	1,029	15.6	244	23.7	2,090,845	11,028	572	95	997,081	7	2	23,708	450	147	1,070,056
Masonry	296	10	286	4.3	80	28.0	786,513	9,831	121	15	237,118	4	3	35,032	161	62	514,363
Roofing and sheet metal	679	2	677	10.2	150	22.2	1,473,133	9,821	372	69	562,423	12	4	44,686	293	87	890,024
Marble and tiling	50	2	48	.7	7	14.6	82,427	11,775	20	2	31,542				28	5	60,885
Ornamental iron	13		13	.2	3	23.1	25,849	8,616	2						11	3	25,849
Excavating and grading	67		67	1.0	14	20.9	142,424	10,173	32	2	40,650	1			34	11	101,774
Steel erection	5		5	.1	1	20.0	14,365	14,365	5	1	14,365						
Stonework	52	1	51	.8	13	25.5	100,751	7,750	30	8	64,651	2	1	4,000	19	4	32,100
Wracking	23		23	.3	5	21.7	39,984	7,997	14	3	24,984	1			8	2	15,000
Pipe covering	15		15	.2	1	6.7	18,000	18,000	15	1	18,000						
Pile driving	1		1	(?)					1								
Street paving	1		1	(?)	1	100.0	543	543							1	1	543

¹ Of the 92 inactive establishments, 45 are in Chicago, 3 in Peoria, and 44 in the remainder of the State.
² Less than one-tenth of 1 per cent.

TABLE 13.—ESTABLISHMENTS (WHOSE BUSINESS WAS LESS THAN \$25,000 IN 1929) WHICH REPORTED THEIR VOLUME OF CONSTRUCTION WORK, CLASSIFIED BY RANGE OF VOLUME OF BUSINESS

CLASSIFICATION	Total	Less than \$2,500	\$2,500 to \$4,999	\$5,000 to \$7,499	\$7,500 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$17,499	\$17,500 to \$19,999	\$20,000 to \$22,499	\$22,500 to \$24,999
ILLINOIS											
Total general and subcontractors	1,490	250	231	217	158	183	95	119	92	82	63
General contractors	208	21	31	25	34	40	25	38	17	20	17
Subcontractors	1,210	223	200	189	123	141	70	81	75	62	46
Type of contracting unknown	12	6		3	1	2					

INDIANA

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TABLE 1.—VALUE OF CONSTRUCTION BUSINESS DURING 1929 AND PRINCIPAL ITEMS OF EXPENDITURE

[Values expressed in thousands]

AREA, CLASSIFICATION OF ESTABLISHMENTS, AND SIZE OF BUSINESS GROUPS	Number of establishments	VALUE OF CONSTRUCTION BUSINESS			PRINCIPAL EXPENDITURES			AREA, CLASSIFICATION OF ESTABLISHMENTS, AND SIZE OF BUSINESS GROUP	Number of establishments	VALUE OF CONSTRUCTION BUSINESS			PRINCIPAL EXPENDITURES		
		Total	Under general contract or directly for owner	Under sub-contract	Sub-contract work let	Wages paid	Cost of materials			Total	Under general contract or directly for owner	Under sub-contract	Sub-contract work let	Wages paid	Cost of materials
INDIANA	746	\$104, 623	\$87, 834	\$16, 789	\$17, 888	\$25, 462	\$40, 614	INDIANA—Continued							
<i>Counties and principal cities</i>								<i>Classification of establishments—Continued</i>							
Counties:								Subcontractors—Continued.							
Allen.....	75	10, 995	8, 831	2, 104	1, 532	2, 031	4, 567	Roofing and sheet-metal work.....	47	\$3, 411	\$973	\$2, 438	\$13	\$970	\$1, 407
Bartholomew.....	6	381	170	211	55	96	140	Roofing.....	23	1, 821	470	1, 351	3	497	803
Cass.....	7	757	728	29	163	205	266	Sheet-metal work.....	20	1, 377	406	971	10	418	597
Clark.....	3	198	198	—	54	30	80	Roofing and sheet metal combined.....	4	213	97	116	—	55	97
Clinton.....	5	759	714	45	7	201	330	Steel erection.....	4	881	341	540	1	331	376
Dolaware.....	16	2, 219	2, 154	65	199	722	997	Stone work.....	5	412	—	412	—	95	170
Dubois.....	3	220	216	4	—	36	118	Marble and tiling.....	13	1, 777	158	1, 619	12	516	720
Elkhart.....	17	2, 391	2, 305	86	178	443	990	Excavating.....	10	622	31	591	4	281	6
Fayette.....	7	425	270	146	33	109	205	Grading.....	3	343	74	269	—	129	65
Floyd.....	6	392	351	41	14	100	205	Metal work, n. e. s. ¹	3	6, 208	6, 208	—	1, 200	687	3, 855
Fulton.....	3	620	620	—	30	150	191	Other classes ²	5	1, 440	1, 122	324	89	517	182
Gibson.....	3	191	189	2	10	49	115	<i>Size of business groups</i>							
Grant.....	11	746	695	81	68	109	314	General contractors ³	408	71, 839	71, 290	548	16, 339	16, 763	25, 439
Henry.....	5	374	305	69	55	91	157	\$25,000 to \$49,999.....	118	4, 206	4, 187	10	817	1, 078	1, 596
Howard.....	4	374	322	52	120	37	112	\$50,000 to \$99,999.....	113	8, 004	7, 981	83	1, 429	1, 881	3, 192
Huntington.....	3	514	457	57	145	101	186	\$100,000 to \$199,999.....	74	10, 311	10, 232	79	2, 109	2, 280	3, 624
Johnson.....	3	698	698	—	154	219	242	\$200,000 to \$499,999.....	73	21, 908	21, 805	103	3, 976	5, 138	7, 559
Knox.....	7	2, 761	2, 634	127	241	879	1, 327	\$500,000 to \$999,999.....	22	15, 284	15, 021	263	4, 283	3, 398	5, 486
Kosciusko.....	4	416	416	—	110	175	175	\$1,000,000 and over.....	8	12, 066	12, 066	—	3, 725	2, 983	3, 982
Lake.....	77	14, 540	12, 893	1, 647	2, 554	2, 006	6, 593	Building contractors⁴	251	43, 274	42, 874	399	14, 263	9, 744	14, 063
La Porte.....	27	2, 592	2, 043	519	351	400	1, 093	\$25,000 to \$49,999.....	82	2, 905	2, 889	16	786	699	1, 090
Lawrence.....	4	321	293	28	10	71	151	\$50,000 to \$99,999.....	74	5, 301	5, 237	64	1, 384	1, 166	2, 026
Madison.....	25	1, 218	1, 115	103	141	353	474	\$100,000 to \$199,999.....	41	5, 568	5, 552	6	1, 074	1, 227	1, 920
Marion.....	102	28, 201	22, 141	6, 060	7, 139	6, 644	9, 416	\$200,000 to \$499,999.....	33	9, 839	9, 789	50	3, 117	2, 125	3, 127
Marshall.....	3	156	156	—	4	41	87	\$500,000 to \$999,999.....	15	10, 549	10, 286	263	3, 871	2, 290	3, 307
Monroe.....	8	1, 417	1, 196	221	200	417	572	\$1,000,000 and over.....	6	9, 121	9, 121	—	3, 431	2, 238	2, 592
Porter.....	12	1, 957	1, 910	47	247	620	408	Subcontractors	338	32, 785	16, 544	10, 241	1, 524	8, 698	15, 175
St. Joseph.....	71	11, 058	8, 259	2, 799	1, 233	3, 142	4, 179	\$25,000 to \$49,999.....	167	5, 894	2, 104	3, 790	24	1, 788	2, 435
Shelby.....	3	385	367	18	55	95	187	\$50,000 to \$99,999.....	109	7, 186	2, 804	4, 382	81	2, 029	3, 200
Spencer.....	5	645	631	14	63	174	220	\$100,000 to \$199,999.....	38	5, 026	1, 718	3, 344	69	1, 602	2, 186
Tiptecanoe.....	15	1, 148	992	156	155	327	485	\$200,000 to \$499,999.....	24	7, 103	2, 287	4, 816	51	2, 051	3, 262
Vanderburgh.....	40	6, 156	5, 431	725	1, 715	1, 844	1, 901	\$500,000 to \$999,999.....	2	1, 472	1, 472	—	99	557	293
Vigo.....	20	3, 424	2, 678	740	232	969	1, 536	\$1,000,000 and over.....	1	6, 100	6, 100	—	1, 200	670	3, 800
Wayne.....	19	1, 918	1, 765	153	139	384	929	EVANSVILLE	45	6, 080	5, 865	726	1, 697	1, 329	1, 877
Other counties ¹	52	4, 080	3, 706	374	567	971	1, 652	<i>Classification of establishments</i>							
Principal cities:²								Operative builders.....	4	177	177	—	81	12	61
Evansville.....	45	6, 080	5, 355	725	1, 097	1, 329	1, 877	General contractors.....	22	4, 425	4, 412	12	1, 596	909	1, 124
Fort Wayne.....	74	10, 970	8, 806	2, 164	1, 532	2, 630	4, 549	Building.....	15	2, 869	2, 858	12	1, 306	537	603
Gary.....	30	2, 985	2, 304	620	337	766	1, 037	Street paving.....	3	590	590	—	103	78	131
Indianapolis.....	162	28, 201	22, 141	6, 060	7, 139	6, 644	9, 416	Other classes ³	4	965	965	—	67	294	390
South Bend.....	60	9, 956	7, 387	2, 569	1, 169	2, 865	3, 682	Subcontractors.....	10	1, 479	766	713	20	400	692
<i>Classification of establishments</i>								Electrical.....	3	338	177	161	1	99	137
Operative builders.....	15	1, 504	1, 504	—	408	247	637	Heating and plumbing.....	7	584	468	116	15	122	340
General contractors.....	393	70, 274	69, 726	548	15, 871	10, 517	24, 802	Masonry ¹⁰	5	250	22	228	4	70	111
Building.....	239	41, 709	41, 310	399	13, 795	9, 497	13, 426	Other classes ¹¹	4	308	100	208	—	118	103
Building not specialized.....	180	36, 955	36, 568	387	11, 875	8, 781	12, 046	<i>Size of business groups¹¹</i>							
Commercial building only.....	57	441	441	—	145	88	130	General contractors ³	26	4, 601	4, 589	12	1, 677	920	1, 185
Manufacturing building only.....	4	403	403	—	20	77	181	\$25,000 to \$49,999.....	7	217	217	—	71	38	71
Residential building only.....	45	3, 010	3, 898	12	1, 755	552	1, 068	\$50,000 to \$99,999.....	7	517	505	12	180	83	152
Highway.....	61	14, 469	14, 341	68	1, 050	3, 393	5, 957	\$100,000 to \$199,999.....	6	894	894	—	301	120	193
Bridges and culvert.....	22	3, 639	3, 896	43	214	1, 214	1, 797	\$200,000 to \$499,999.....	3	1, 005	1, 005	—	373	176	253
Grading.....	3	219	205	14	61	65	—	\$500,000 to \$999,999.....	3	2, 000	2, 000	—	752	504	515
Street paving.....	48	6, 661	6, 640	21	642	1, 439	2, 542	Building contractors³	19	3, 046	3, 034	12	1, 447	548	695
Sewer, gas, water, conduit.....	12	2, 401	2, 399	2	35	659	868	\$25,000 to \$49,999.....	6	190	190	—	71	33	62
Dredging, river, harbor, etc.....	5	412	412	—	39	79	79	\$50,000 to \$99,999.....	6	425	413	12	180	45	122
Railroad.....	3	242	242	—	16	115	59	\$100,000 to \$199,999.....	3	437	437	—	279	39	57
Other classes ³	9	283	283	—	16	53	105	\$200,000 to \$499,999.....	2	634	634	—	210	132	186
Subcontractors.....	338	32, 785	16, 544	10, 241	1, 524	8, 698	15, 175	\$500,000 to \$999,999.....	2	1, 361	1, 361	—	707	299	237
Carpenters and wood flooring ⁴	5	345	31	315	3	72	191	Subcontractors.....	19	1, 479	766	713	20	409	692
Concrete.....	6	598	34	559	—	246	133	\$25,000 to \$49,999.....	7	266	102	164	4	83	125
Electrical.....	42	3, 076	1, 381	1, 695	1	916	1, 320	\$50,000 to \$99,999.....	7	525	354	171	15	139	204
Heating and plumbing.....	149	10, 878	5, 533	5, 346	180	2, 614	5, 792	\$100,000 to \$199,999.....	5	689	311	378	1	187	304
Heating and piping ⁵	43	4, 608	2, 550	2, 058	81	1, 102	2, 514	EVANSVILLE							
Plumbing.....	47	3, 170	1, 236	1, 933	62	788	1, 598	<i>Classification of establishments</i>							
Plumbing and heating combined.....	49	3, 092	1, 747	1, 346	37	724	1, 681	Operative builders.....	4	177	177	—	81	12	61
Masonry.....	16	1, 058	311	747	7	373	875	General contractors.....	22	4, 425	4, 412	12	1, 596	909	1, 124
Painting and decorating.....	22	1, 220	342	878	—	632	304	Building.....	15	2, 869	2, 858	12	1, 306	537	603
Plastering and lathing.....	5	516	6	500	5	318	139	Street paving.....	3	590	590	—	103	78	131

See footnotes at end of table.

CONSTRUCTION—INDIANA

TABLE 1.—VALUE OF CONSTRUCTION BUSINESS DURING 1929 AND PRINCIPAL ITEMS OF EXPENDITURE—Continued

[Values expressed in thousands]

AREA, CLASSIFICATION OF ESTABLISHMENTS, AND SIZE OF BUSINESS GROUPS	Number of establishments	VALUE OF CONSTRUCTION BUSINESS			PRINCIPAL EXPENDITURES			AREA, CLASSIFICATION OF ESTABLISHMENTS, AND SIZE OF BUSINESS GROUPS	Number of establishments	VALUE OF CONSTRUCTION BUSINESS			PRINCIPAL EXPENDITURES		
		Total	Under general contract or directly for owner	Under sub-contract	Sub-contract work let	Wages paid	Cost of materials			Total	Under general contract or directly for owner	Under sub-contract	Sub-contract work let	Wages paid	Cost of materials
FORT WAYNE	74	\$10,970	\$5,806	\$2,164	\$1,532	\$2,630	\$4,549	INDIANAPOLIS	162	\$28,201	\$22,141	\$6,060	\$7,139	\$8,044	\$9,416
<i>Classification of establishments</i>								<i>Classification of establishments</i>							
General contractors	36	8,028	7,936	92	1,481	1,816	3,157	Operative builders	5	560	560		208	90	192
Building	23	4,386	4,314	72	1,276	875	1,675	General contractors	81	18,658	18,382	276	6,859	3,661	5,511
Building not specialized	18	3,980	3,908	72	1,100	821	1,565	Building	55	13,861	13,585	276	6,712	2,671	3,548
Residential building only	5	406	406		170	54	110	Building not specialized	37	11,808	11,532	276	5,561	2,367	3,143
Highway ¹³	7	2,803	2,785	18	153	741	1,217	Residential building only	18	2,053	2,053		1,151	214	406
Other classes ¹⁴	6	339	337	2	52	200	265	Highway	5	1,620	1,620		27	283	340
Subcontractors	38	2,942	870	2,072	51	814	1,392	Bridge and culvert	6	712	712		10	220	184
Concreting ¹⁵	4	202	15	187	2	65	70	Street paving	12	1,039	1,039		110	439	791
Electrical	3	217	101	116		50	103	Other classes ¹⁴	3	525	525		149	147	
Heating and plumbing	16	1,493	632	854	37	300	571	Subcontractors	76	8,933	3,199	5,784	72	2,884	3,713
Heating and piping	7	878	107	711	8	186	827	Electrical	7	1,141	444	697		400	497
Plumbing	6	417	281	180		85	242	Heating and plumbing	33	3,242	2,086	1,150	50	844	1,048
Plumbing and heating combined	4	198	101	7	29	35	102	Heating and piping ¹⁶	11	1,875	1,362	513	48	482	927
Painting and decorating ¹⁶	5	293	72	221		130	93	Plumbing	11	502	205	297		134	245
Roofing and sheet-metal work	7	373	40	333		114	161	Plumbing and heating combined	11	865	519	340	2	228	475
Roofing	3	155	40	125		66	85	Masonry and concreting	7	936	193	793	1	387	279
Sheet-metal work	4	208		208		48	76	Painting and decorating	5	333	106	227		195	61
Other classes ¹⁷	3	364		364	12	142	83	Roofing and sheet-metal work	9	1,188	1,024	164	11	319	504
<i>Size of business groups</i> ¹⁸								Roofing	5	729	100	629	1	188	349
General contractors	36	8,028	7,936	92	1,481	1,816	3,157	Sheet-metal work	4	459	64	395	10	132	215
\$25,000 to \$49,999	9	356	346	10	85	94	91	Steel erection ¹⁸	5	644	108	537	10	265	181
\$50,000 to \$99,999	11	788	735	53	122	164	371	Marble and tiling	6	1,178	81	1,097		336	485
\$100,000 to \$199,999	4	604	604		162	132	140	Excavating	4	271	17	254		138	
\$200,000 to \$499,999	7	2,240	2,217	23	251	522	979	<i>Size of business groups</i> ¹⁸							
\$500,000 to \$999,999	5	4,034	4,034		861	905	1,577	General contractors ⁸	86	19,218	18,942	276	7,067	2,760	5,703
Building contractors	23	4,386	4,314	72	1,276	875	1,675	\$25,000 to \$49,999	17	626	625		252	125	168
\$25,000 to \$49,999	6	225	215	10	80	51	72	\$50,000 to \$99,999	24	1,705	1,706		525	373	471
\$50,000 to \$99,999	9	621	570	51	122	127	281	\$100,000 to \$199,999	14	1,849	1,843	6	480	357	502
\$100,000 to \$199,999	2	206	206		115	47	79	\$200,000 to \$499,999	23	6,061	6,054	7	1,658	1,519	2,111
\$200,000 to \$499,999	4	1,329	1,318	11	251	306	650	\$500,000 to \$999,999	5	3,406	3,143	263	1,637	404	939
\$500,000 to \$999,999	2	1,915	1,915		708	344	593	\$1,000,000 and over	3	4,970	4,970		2,515	982	1,512
Subcontractors	38	2,942	870	2,072	51	814	1,392	Building contractors ⁸	60	14,421	14,145	276	6,920	2,669	3,740
\$25,000 to \$49,999	21	757	84	673	2	232	343	\$25,000 to \$49,999	14	519	519		249	90	125
\$50,000 to \$99,999	10	679	252	427	29	223	244	\$50,000 to \$99,999	18	1,305	1,305		515	260	358
\$100,000 to \$199,999	3	342	101	241		95	175	\$100,000 to \$199,999	7	880	874	6	473	127	166
\$200,000 to \$499,999	4	1,163	433	730	20	264	620	\$200,000 to \$499,999	14	4,060	4,053	7	1,531	836	1,116
GARY	30	2,985	2,364	620	337	766	1,037	\$500,000 to \$999,999	4	2,687	2,424	263	1,637	375	464
<i>Classification of establishments</i>								\$1,000,000 and over	3	4,970	4,970		2,515	982	1,512
General contractors	13	2,189	2,157	32	334	474	770	Subcontractors	76	8,933	3,199	5,784	72	2,884	3,713
Building	8	980	948	32	304	208	288	\$25,000 to \$49,999	24	838	414	424	2	205	314
Highway and street paving	5	1,210	1,210		30	266	487	\$50,000 to \$99,999	24	1,576	565	1,011	11	415	750
Subcontractors	17	795	207	588	3	292	261	\$100,000 to \$199,999	13	1,625	355	1,270	30	716	456
Electrical	4	227	66	161		81	59	\$200,000 to \$499,999	14	4,430	1,350	3,080	19	1,290	1,001
Painting, decorating, and glazing	3	140	72	68	1	57	31	\$500,000 to \$999,999	1	515	515		10	163	293
Heating and plumbing	3	94	14	80		25	38	SOUTH BEND	60	9,956	7,387	2,569	1,169	2,865	3,652
Sheet-metal work	3	118	21	97		37	56	<i>Classification of establishments</i>							
Other classes ¹⁸	4	216	34	182	2	92	77	General contractors ⁸	15	6,534	6,534		1,148	1,774	2,213
<i>Size of business groups</i> ¹⁸								Building ⁹	11	5,356	5,356		887	1,591	1,818
General contractors	13	2,189	2,157	32	334	474	770	Other classes ²⁰	4	1,178	1,178		261	183	395
\$25,000 to \$99,999	5	375	375		136	91	84	Subcontractors	45	3,421	852	2,569	21	1,091	1,460
\$100,000 to \$199,999	3	411	411		17	94	177	Electrical	4	228	89	139		61	106
\$200,000 to \$499,999	5	1,403	1,371	32	181	289	514	Heating and plumbing	19	1,259	373	885	19	235	331
Building contractors	8	980	948	32	304	208	288	Plumbing	9	430	82	348	15	94	210
\$25,000 to \$99,999	5	375	375		136	91	84	Plumbing and heating combined	10	829	291	537	4	202	461
\$100,000 to \$199,999	2	266	266		17	69	112	Painting and decorating	5	287	287		149	74	
\$200,000 to \$499,999	1	339	307	32	151	48	92	Plastering, marble, and tiling	4	525	29	496		267	165
Subcontractors	17	795	207	588	3	292	261	Roofing and sheet-metal work	8	655	274	381	2	175	282
\$25,000 to \$49,999	13	486	121	365	2	192	158	Roofing	5	398	71	327	2	114	165
\$50,000 to \$99,999	4	309	86	223	1	100	103	Sheet-metal work	3	257	203	54		61	112
								Other classes ²¹	5	468	36	381		144	167

See footnotes at end of table.

TABLE 1.—VALUE OF CONSTRUCTION BUSINESS DURING 1929 AND PRINCIPAL ITEMS OF EXPENDITURE—Continued

[Values expressed in thousands]

AREA, CLASSIFICATION OF ESTABLISHMENTS, AND SIZE OF BUSINESS GROUPS	Number of establishments	VALUE OF CONSTRUCTION BUSINESS			PRINCIPAL EXPENDITURES			AREA, CLASSIFICATION OF ESTABLISHMENTS, AND SIZE OF BUSINESS GROUPS	Number of establishments	VALUE OF CONSTRUCTION BUSINESS			PRINCIPAL EXPENDITURES			
		Total	Under general contract or directly for owner	Under sub-contract	Sub-contract work let	Wages paid	Cost of materials			Total	Under general contract or directly for owner	Under sub-contract	Sub-contract work let	Wages paid	Cost of materials	
SOUTH BEND—Contd.						SOUTH BEND—Contd.										
<i>Size of business groups</i> ¹²						<i>Size of business groups—Con.</i>										
General contractors ³	16	\$0, 534	\$0, 534	-----	\$1, 148	\$1, 774	\$2, 213	General contractors—Contd.								
\$25,000 to \$40,999	1	41	41	-----	14	9	17	Building contractors—Con.								
\$50,000 to \$99,999	2	254	254	-----	17	56	105	\$100,000 to \$199,999	3	\$442	\$442	-----	\$105	\$143	\$138	
\$100,000 to \$199,999	4	504	504	-----	109	161	200	\$500,000 to \$999,999	3	1, 741	1, 741	-----	451	431	663	
\$200,000 to \$499,999	1	334	334	-----	43	66	126	\$1,000,000 and over	2	2, 904	2, 904	-----	300	984	925	
\$500,000 to \$999,999	4	2, 378	2, 378	-----	665	498	838	Subcontractors	45	3, 421	852	\$2, 569	21	1, 001	1, 409	
\$1,000,000 and over	2	2, 964	2, 964	-----	300	984	925	\$25,000 to \$49,999	18	615	195	420	-----	150	202	
Building contractors ⁶	11	5, 350	5, 350	-----	887	1, 591	1, 818	\$50,000 to \$99,999	18	1, 253	290	957	-----	6	413	520
\$25,000 to \$49,999	1	41	41	-----	14	9	17	\$100,000 to \$199,999	6	849	304	545	-----	15	232	414
\$50,000 to \$99,999	2	169	169	-----	17	24	74	\$200,000 to \$499,999	3	703	58	647	-----	232	273	

¹ Includes Adams, Blackford, Boone, Carroll, Clay, Daviess, Dearborn, De Kalb, Fountain, Greene, Hamilton, Hancock, Hendricks, Jackson, Jasper, Jay, Jefferson, Jennings, Lagrange, Miami, Montgomery, Newton, Noble, Ohio, Orange, Posey, Putnam, Randolph, Ripley, Scott, Starke, Sullivan, Vermilion, Wabash, Warrick, Wells, and Whitley, for which data can not be shown without revealing individual operations. From areas other than those listed, no reports were received from establishments which handled as much as \$25,000 business during 1929.

² Figures are included in respective county totals.
³ Includes waterworks; and central station, light and power plant.
⁴ Includes glass and glazing; and flooring, n. e. s.
⁵ Includes automatic temperature control.
⁶ Includes elevator construction.
⁷ Includes street paving; sewer, gas, water, conduit; and rental of equipment, trucking, etc.
⁸ Includes operative builders.
⁹ Includes highway; bridge and culvert; and waterworks.
¹⁰ Includes concreting; and stone work.
¹¹ Includes painting and decorating; sheet-metal work; and sewer, gas, water, conduit.
¹² For complete classification see tabulation for the State above.
¹³ Includes grading; and street paving.
¹⁴ Includes sewer, gas, water, conduit; dredging, river, harbor, etc.; and railroad.
¹⁵ Includes masonry; and stone work.
¹⁶ Includes flooring, n. o. s.
¹⁷ Includes plastering and lathing; marble and tiling; and excavating.
¹⁸ Includes carpentering and wood flooring; concreting; marble and tiling; and excavating.
¹⁹ Includes automatic temperature control.
²⁰ Includes street paving; sewer, gas, water, conduit; and waterworks.
²¹ Includes concreting; stonework; grading; and sewer, gas, water, conduit.

TABLE 2.—CONSTRUCTION BUSINESS OF REPORTING ESTABLISHMENTS DURING 1929, BY CLASS OF OWNERSHIP AND BY TYPE OF WORK

CLASS OF OWNERSHIP AND TYPE OF CONSTRUCTION WORK	CONSTRUCTION BUSINESS REPORTED BY—						CLASS OF OWNERSHIP AND TYPE OF CONSTRUCTION WORK	CONSTRUCTION BUSINESS REPORTED BY—					
	All classes of establishments		General contractors ¹		Subcontractors			All classes of establishments		General contractors ¹		Subcontractors	
	Number reporting	Value	Number reporting	Value	Number reporting	Value		Number reporting	Value	Number reporting	Value	Number reporting	Value
INDIANA													
All construction business	740	\$104, 622, 830	408	\$71, 838, 528	338	\$32, 784, 302	INDIANA—Continued						
Distribution not reported	64	5, 091, 922	14	1, 921, 026	50	3, 170, 296	All business under general contract or directly for owners—Continued.						
Distributed by class of ownership	682	99, 530, 908	394	69, 016, 902	288	29, 614, 006	Distributed by class—Contd.						
Private	530	57, 725, 160	260	32, 902, 108	270	24, 763, 061	Highway and street	126	\$21, 336, 798	120	\$21, 093, 984	6	\$242, 814
Quasi public or community	137	5, 665, 426	58	4, 416, 705	79	1, 248, 721	Public works and utilities	89	7, 452, 803	71	7, 329, 007	12	123, 706
Public	338	30, 140, 313	214	32, 538, 089	124	3, 602, 224	Distribution not reported	2	57, 000	2	-----	2	57, 000
Distribution not reported	26	2, 034, 517	16	1, 839, 318	10	195, 204	Distributed by class	81	7, 395, 303	71	7, 329, 007	10	69, 796
Distributed by class of public ownership	312	34, 105, 796	198	30, 698, 776	114	3, 407, 020	Bridge, tunnel, etc.	35	3, 951, 383	33	4, 114, 589	2	25, 980
Federal	28	1, 947, 940	8	1, 705, 752	20	242, 188	Central station, light and power plant	10	189, 186	7	-----	3	-----
State	93	12, 353, 658	61	11, 577, 618	32	776, 040	Dock, pier, retaining wall, etc.	3	69, 169	3	69, 100	-----	-----
County or township	154	8, 465, 949	93	7, 504, 221	61	901, 728	Flood control, irrigation, and land drainage	6	263, 622	6	263, 622	-----	-----
Municipal	185	11, 338, 249	113	9, 851, 185	72	1, 487, 064	Water supply	19	372, 693	17	-----	2	33, 456
All business under general contract or directly for owners	572	87, 834, 013	408	71, 200, 418	164	16, 543, 595	Sewage disposal and drainage	21	1, 967, 031	20	2, 806, 298	1	-----
Distribution not reported	0	554, 101	3	306, 399	3	247, 702	Parks, grounds, etc.	5	82, 719	2	75, 359	3	7, 360
Distributed by class	569	87, 279, 912	405	70, 984, 019	161	16, 295, 893	Miscellaneous	2	-----	2	-----	-----	-----
Building	407	52, 064, 186	255	41, 949, 607	152	10, 114, 589	Railroad and car line	6	1, 115, 000	5	-----	1	-----
Distribution not reported	35	3, 037, 336	18	1, 535, 285	17	1, 502, 051	Water power development	2	58, 239	2	611, 421	1	5, 814, 094
Distributed by class	372	40, 026, 860	237	40, 414, 322	135	8, 612, 538	Air transport work	2	-----	1	-----	-----	-----
Commercial	179	12, 122, 047	114	10, 728, 915	65	1, 393, 132	Miscellaneous	13	5, 252, 824	8	-----	5	-----
Educational	101	5, 161, 850	57	4, 214, 877	44	946, 973	All business under subcontract	283	10, 788, 817	23	548, 110	260	16, 240, 707
Hotel	25	313, 865	9	242, 730	19	71, 135	Distribution not reported	5	400, 475	1	12, 009	4	394, 475
Hospital and institutional	41	2, 829, 327	18	2, 500, 494	23	328, 833	Distributed by class	278	10, 382, 342	22	536, 110	256	15, 846, 232
Manufacturing	104	8, 601, 479	69	6, 232, 401	44	2, 369, 078	Carpentering and wood flooring	8	304, 655	5	77, 720	3	226, 935
Military and naval	5	872, 241	3	1, 376, 853	2	109, 891	Flooring, n. e. s.	1	-----	-----	-----	1	-----
Public: Courts, jails, etc.	24	814, 503	10	1, 390, 869	32	199, 300	Concreting	14	715, 510	6	187, 276	8	528, 234
Religious and memorial	64	1, 590, 169	32	1, 090, 822	32	1, 991, 925	Electrical	39	1, 840, 361	-----	-----	39	1, 840, 361
Residential	261	12, 882, 747	108	10, 890, 822	93	4, 496, 530	Heating and plumbing	4	898, 530	-----	-----	73	4, 896, 530
Social and recreational	32	1, 517, 521	18	1, 470, 006	14	47, 515	Heating and piping	73	1, 788, 626	-----	-----	73	1, 788, 626
Air transport	5	108, 532	4	-----	1	16, 556	Pipe covering	15	-----	-----	-----	15	-----
Rail and water transportation	10	50, 379	4	142, 355	6	-----	Automatic temperature control	1	205, 587	-----	-----	1	205, 587
Miscellaneous	85	2, 362, 200	49	1, 224, 000	36	1, 138, 200							

See footnotes at end of table.

TABLE 2.—CONSTRUCTION BUSINESS OF REPORTING ESTABLISHMENTS DURING 1929, BY CLASS OF OWNERSHIP AND BY TYPE OF WORK—Continued

CLASS OF OWNERSHIP AND TYPE OF CONSTRUCTION WORK	CONSTRUCTION BUSINESS REPORTED BY—						CLASS OF OWNERSHIP AND TYPE OF CONSTRUCTION WORK	CONSTRUCTION BUSINESS REPORTED BY—					
	All classes of establishments		General contractors ¹		Subcontractors			All classes of establishments		General contractors ¹		Subcontractors	
	Number reporting	Value	Number reporting	Value	Number reporting	Value		Number reporting	Value	Number reporting	Value	Number reporting	Value
GARY—Continued						INDIANAPOLIS—Continued							
All business under general contract or directly for owners—Continued.						All business under subcontract...	58	\$0,000,107	3	\$275,011	55	\$5,784,196	
Distributed by class.....	21	\$2,356,096	13	\$2,157,289	8	\$198,807	Concrete.....	3	451,000	2	792,853		
Building.....	16	1,146,550	8	947,743	8	198,807	Masonry.....	6	554,854	1	608,012		
Commercial.....	3	425,263	4	379,639	4	45,614	Electrical.....	6	908,012	4	542,232		
Educational.....	2	83,412	2		1		Elevator construction.....	1		1	1,211,771		
Religious and memorial.....	2		1	94,000	1	19,004	Steel erection.....	4	542,232	4			
Social and recreational.....	1	30,351	1		3		Heating and plumbing.....	1	1,211,771	8			
Hotel.....	1				1	(?)	Heating and piping.....	8		1	447,059		
Hospital and institutional.....	1	45,022		(?)	1	(?)	Automatic temperature control.....	1	447,059	1			
Public: Courts, jails, etc.....	2		1	(?)	1	(?)	Pipe covering.....	3	65,381	3	65,381		
Manufacturing.....	4	51,788	1	(?)	3	(?)	Plumbing.....	8	362,238	8	362,238		
Residential.....	10	166,147	4	106,421	6	59,726	Plumbing and heating combined.....	6	337,093	6	337,093		
Miscellaneous.....	7	343,077	4	323,304	3	20,533	Painting and decorating.....	6	226,758	1	226,758		
Highway and street.....	5	1,200,540	5	1,200,540			Glass and glazing.....	1	908,785	1	908,785		
All business under subcontract.....	17	620,133	1	(?)	10	(?)	Roofting and sheet-metal work.....	5	428,155	5	428,155		
Concreting.....	2		1	(?)	1	(?)	Roofting.....	5	428,155	5	428,155		
Masonry.....	1	124,170	1	(?)			Sheet-metal work.....	1		1	480,630		
Marble and tiling.....	1				1	(?)	Roofting and sheet metal combined.....	1	480,630	1	480,630		
Electrical.....	4	160,449			4	160,449	Marble and tiling.....	7	1,143,935	7	1,143,935		
Heating and plumbing.....	3	90,471			3	90,471	Wrecking.....	1	240,110	1	(?)		
Heating and piping.....	3	33,071			3	33,071	Excavating.....	4		2	(?)		
Plumbing and heating combined.....	1				1		Carpentering and wood flooring.....	2		1	(?)		
Plumbing.....	3	66,400			3	66,400	Miscellaneous, n. e. s.....	1	75,651	1	(?)		
Sheet-metal work.....	4	73,247			4	73,247							
Carpentering and wood flooring.....	1				1		SOUTH BEND						
Glass and glazing.....	1	102,790			1	102,790	All construction business.....	60	9,655,608	15	6,534,128	45	3,421,480
Excavating.....	1				1		Distribution not reported.....	8	631,151	1	40,691	7	590,460
Miscellaneous, n. e. s.....	1				1		Distributed by class of ownership.....	52	6,324,457	14	6,493,437	38	2,831,020
							Private.....	47	7,006,746	10	4,088,114	37	2,318,632
							Quasi public or community.....	15	425,930	4	194,880	11	231,050
							Public.....	20	1,801,781	7	1,610,443	13	281,338
							Distribution not reported.....	3	887,939	2	831,939	1	56,000
							Distributed by class of public ownership.....	17	1,003,842	5	778,504	12	255,338
							Federal.....	1			(?)	(?)	
							State.....	7	135,147	1	(?)	(?)	
							County or township.....	1		1	(?)	(?)	
							Municipal.....	13	868,695	5	(?)	(?)	
							All business under general contract or directly for owners.....	31	7,386,527	15	6,534,128	16	852,399
							Building.....	25	6,042,656	11	5,277,129	14	765,527
							Distribution not reported.....	6	418,204	3	358,485	3	59,719
							Distributed by class.....	19	5,624,462	8	4,918,644	11	705,808
							Commercial.....	17	2,623,040	8	2,438,056	9	135,584
							Educational.....	9	632,704	3	446,404	6	86,300
							Hotel.....	1			1	4,647	
							Hospital and institutional.....	1	4,647				
							Religious and memorial.....	2					
							Manufacturing.....	7	1,861,491	3	1,221,825	4	139,666
							Residential.....	15	1,033,200	4	753,273	11	279,927
							Social and recreational.....	3	35,440	1			
							Air transport.....	1	33,270		50,080		
							Miscellaneous.....	4				9,624	
							Highway and street.....	2	994,457		994,457		
							Water power development.....	1				86,872	
							Public works and utilities.....	6	349,414	3	262,542	3	
							All business under subcontract.....	37	2,569,081			37	2,569,081
							Distribution not reported.....	2	344,951			2	344,951
							Distributed by class.....	35	2,224,130			35	2,224,130
							Concreting.....	1	137,683			1	137,683
							Stone work.....	2				138,006	
							Electrical.....	3	138,698			3	556,652
							Heating and plumbing.....	9	556,652			9	191,071
							Heating and piping.....	2	191,071			2	289,642
							Pipe covering.....	9	289,642			9	75,039
							Plumbing.....	3	75,039			3	287,133
							Plumbing and heating combined.....	5	287,133			5	496,281
							Painting and decorating.....	1	496,281			1	350,477
							Glass and glazing.....	2	350,477			2	234,203
							Plastering and lathing.....	2	234,203			2	116,274
							Marble and tiling.....	3	116,274			3	257,208
							Roofting and sheet-metal work.....	5	257,208			5	
							Roofting.....	5	257,208			5	
							Sheet-metal work.....	1				1	
							Excavating.....	1				1	
							Grading.....	1				1	
							Sewer, gas, water, conduit.....	1				1	
							Miscellaneous, n. e. s.....	1				1	

¹ Includes operative builders.

² Value omitted in order to avoid disclosing individual operations. The amounts omitted are, however, included in the respective totals.

³ Includes establishments reporting the following types of general contractors' work: Bridge, tunnel, etc., 1; water supply, 2.

⁴ Includes establishments reporting the following types of subcontractors' work: Roofing, 1; sheet-metal work, 1; sewer, gas, water, conduit, 1.

⁵ Includes establishments reporting the following types of work: General contractors—Flood control, 2; sewage disposal and drainage, 3; miscellaneous, 1.

⁶ Includes establishments reporting the following types of work: General contractors—Sewage disposal and drainage, 2; water supply, 2. Subcontractors—Sewage disposal and drainage, 1; distribution not reported, 2.

TABLE 3.—CONSTRUCTION BUSINESS DURING 1929, BY LOCATION

CLASSIFICATION OF ESTABLISHMENTS	Establishments reporting	INDIANA			FORT WAYNE—Con.					GARY					INDIANAPOLIS					EVANSVILLE					FORT WAYNE					SOUTH BEND					
		Total	In home city	In home State	Outside home State	Establishments reporting	Total	In home city	In home State	Outside home State	Establishments reporting	Total	In home city	In home State	Outside home State	Establishments reporting	Total	In home city	In home State	Outside home State	Establishments reporting	Total	In home city	In home State	Outside home State	Establishments reporting	Total	In home city	In home State	Outside home State					
INDIANA	728	\$98,349,992	\$57,929,888	\$82,658,112	\$15,691,880	FORT WAYNE—Con.					GARY					INDIANAPOLIS					EVANSVILLE					FORT WAYNE					SOUTH BEND				
Operative builders.....	14	1,634,227	1,534,227	1,534,227	-----	Subcontractors—Con.					30					154					44					73					59				
General contractors.....	384	65,977,181	37,325,365	58,530,967	7,446,214	Heating and plumbing—Con.					13					71					22					35					14				
Building.....	230	38,297,101	29,149,804	36,353,848	1,043,753	Plumbing.....					4					7					15					23					10				
Building not specialized.....	174	33,642,095	25,087,161	31,738,862	1,803,833	Plumbing and heating combined.....					4					18					8					4					3				
Commercial building only.....	7	441,043	230,870	311,443	129,000	Painting and decorating ¹¹					6					3					3					4					4				
Manufacturing building only.....	4	402,916	71,645	392,590	10,320	Roofing.....					7					9					1					5					5				
Residential building only.....	45	3,910,447	3,760,128	3,910,447	-----	Sheet-metal work.....					3					5					4					4					4				
Highway.....	59	13,773,603	1,634,221	10,877,658	2,895,845	Other classes ¹²					3					3					4					4					4				
Bridges and culvert.....	21	3,089,229	180,243	2,052,339	1,636,899	General contractors.....					17					70					15					22					14				
Grading.....	3	219,342	41,500	108,851	50,401	Building.....					4					54					15					8					10				
Street paving.....	48	6,661,145	4,775,093	6,370,204	290,041	Building not specialized.....					3					36					3					15					10				
Sewer, gas, water, conduit.....	12	2,400,652	1,075,917	1,828,700	571,952	Residential building only.....					5					18					4					8					4				
Dredging, river, harbor, etc.....	5	411,874	171,385	394,394	17,480	Highway.....					5					5					5					4					4				
Railroad.....	3	241,751	137,030	209,400	32,281	Bridges and culvert.....					12					3					4					4					4				
Other classes ¹	3	282,584	160,172	275,992	6,592	Street paving.....					3					3					4					4					4				
Subcontractors.....	330	30,838,584	18,970,296	22,502,018	8,245,666	Other classes ⁰					3					71					11					11					7				
Carpentering and wood flooring ²	5	345,050	345,050	345,050	-----	Masonry.....					10					11					10					10					7				
Concreting.....	9	593,057	352,987	436,725	150,332	Painting and decorating.....					21					10					10					10					7				
Electrical.....	41	2,961,278	2,616,242	2,865,307	95,071	Plastering and lathing.....					5					11					11					11					7				
Heating and plumbing.....	146	9,884,772	8,484,948	9,725,557	159,215	Roofing and sheet-metal work.....					47					10					10					10					10				
Heating and piping ³	42	4,107,956	3,456,507	4,083,241	74,715	Roofing.....					23					3					3					3					3				
Plumbing.....	56	2,970,043	2,656,747	2,887,043	83,000	Sheet-metal work.....					20					3					3					3					3				
Plumbing and heating combined.....	48	2,800,773	2,371,694	2,805,273	1,500	Roofing and sheet metal combined.....					4					4					4					4					4				
Masonry.....	16	1,058,001	607,426	740,900	317,092	Steel erection.....					3					3					3					3					3				
Painting and decorating.....	21	1,109,923	1,054,600	1,076,427	33,496	Stonework.....					5					5					5					5					5				
Plastering and lathing.....	5	514,597	306,903	327,797	186,800	Marble and tiling.....					11					11					11					11					11				
Roofing and sheet-metal work.....	47	3,410,974	2,866,873	3,377,631	33,343	Excavating.....					10					10					10					10					10				
Roofing.....	23	1,821,022	1,399,800	1,793,500	27,513	Grading.....					3					3					3					3					3				
Sheet-metal work.....	20	1,377,183	1,278,028	1,377,183	-----	Metal work, n. e. s. ⁴					3					3					3					3					3				
Roofing and sheet metal combined.....	4	212,769	188,439	206,939	5,830	Other classes ⁵					5					5					5					5					5				
Steel erection.....	3	591,875	218,000	459,848	132,027	EVANSVILLE					44					44					44					44					44				
Stonework.....	5	411,874	280,001	280,725	131,149	Operative builders.....					4					4					4					4					4				
Marble and tiling.....	11	1,338,689	832,989	1,199,535	139,054	General contractors.....					22					22					22					22					22				
Excavating.....	10	621,944	296,736	524,389	97,555	Building.....					15					15					15					15					15				
Grading.....	3	342,795	206,000	342,795	-----	Street paving.....					3					3					3					3					3				
Metal work, n. e. s. ⁴	3	6,207,681	216,081	307,681	5,900,000	Other classes ⁶					4					4					4					4					4				
Other classes ⁵	5	1,446,274	325,307	582,642	863,632	Subcontractors.....					18					18					18					18					18				
Heating and plumbing.....	7	583,827	490,319	583,827	-----	Heating and plumbing.....					7					7					7					7					7				
Heating and piping.....	4	965,432	128,202	965,432	-----	Masonry, stonework, and concreting.....					5					5					5					5					5				
Plumbing.....	18	1,364,245	1,206,712	1,364,245	-----	Other classes ⁷					6					6					6					6					6				
Plumbing and heating combined.....	7	583,827	490,319	583,827	-----	FORT WAYNE					73					73					73					73					73				
Roofing.....	9	1,187,573	973,753	1,187,573	-----	Operative builders.....					4					4					4					4					4				
Sheet-metal work.....	6	728,600	589,511	728,600	-----	General contractors.....					22					22					22					22					22				
Steel erection ⁸	4	458,094	384,242	458,094	-----	Building.....					15					15					15					15					15				
Marble and tiling.....	4	655,673	126,681	655,673	-----	Building not specialized.....					3					3					3					3					3				
Excavating.....	4	730,395	417,513	730,395	-----	Residential building only.....					5					5					5					5					5				
Other classes ⁹	4	271,324	70,716	271,324	-----	Highway ⁹					2					2					2					2					2				
Other classes ¹⁰	5	502,403	502,403	502,403	-----	Other classes ⁹					6					6					6					6					6				
Other classes ¹¹	10	579,647	539,828	579,647	-----	Subcontractors.....					18					18					18					18					18				
Other classes ¹²	7	986,161	453,125	986,161	-----	Electrical.....					4					4					4					4					4				
Other classes ¹³	5	332,658	332,658	332,658	-----	Heating and plumbing.....					19					19					19					19					19				
Other classes ¹⁴	9	1,187,573	973,753	1,187,573	-----	Plumbing.....					9					9					9					9					9				
Other classes ¹⁵	6	728,600	589,511	728,600	-----	Plumbing and heating combined.....					10					10					10					10					10				
Other classes ¹⁶	4	458,094	384,242	458,094	-----	Painting and decorating.....					5					5					5					5					5				
Other classes ¹⁷	4	655,673	126,681	655,673	-----	Plastering, marble, and tiling.....					8					8					8					8					8				
Other classes ¹⁸	4	730,395	417,513	730,395	-----	Roofing and sheet-metal work.....					8					8					8					8					8				
Other classes ¹⁹	4	271,324	70,716	271,324	-----	Roofing.....					5					5					5					5					5				
Other classes ²⁰	5	502,403	502,403	502,403	-----	Sheet-metal work.....					3					3					3					3					3				
Other classes ²¹	10	579,647	539,828	579,647	-----	Other classes ¹⁶					5					5					5					5					5				
Other classes ²²	7	986,161	453,125	986,161	-----	SOUTH BEND					59					59					59					59					59				
Other classes ²³	5	332,658	332,658	332,658	-----	General contractors.....					14					14					14					14					14				
Other classes ²⁴	9	1,187,573	973,753	1,187,573	-----	Building.....					10					10					10					10					10				
Other classes ²⁵	6	728,600	589,511	728,600	-----	Building not specialized.....					4					4					4					4					4				
Other classes ²⁶	4	458,094	384,242	458,094	-----	Residential building only.....					45					45					45					45					45				
Other classes ²⁷	4	655,673	126,681	655,673	-----	Highway ⁹					4					4					4					4					4				
Other classes ²⁸	4	730,395	417,513	730,395	-----	Other classes ⁹					9					9					9					9					9				
Other classes ²⁹	4	271,324	70,716	271,324	-----	Other classes ¹⁰					10					10					10					10					10				
Other classes ³⁰	5	502,403	502,403	502,403	-----	Other classes ¹¹					4					4					4					4					4				
Other classes ³¹	10	579,647	539,828	579,647	-----	Other classes ¹²					4					4					4					4					4				
Other classes ³²	7	986,161	453,125	986,161	-----	Other classes ¹³					4					4					4					4					4				
Other classes ³³	5	332,658	332,658	332,658	-----	Other classes ¹⁴					4					4					4					4					4				
Other classes ³⁴	9	1,187,573	973,753	1,187,573	-----	Other classes ¹⁵					4					4					4					4					4				
Other classes ³⁵	6	728,600	589,511	728,600	-----	Other classes ¹⁶					4					4					4					4					4				
Other classes ³⁶	4	458,094	384,242	458,094	-----	Other classes ¹⁷					4					4					4					4					4				
Other classes ³⁷	4	655,673	126,681	655,673	-----	Other classes ¹⁸					4					4					4					4					4				
Other classes ³⁸	4	730,395	417,513	730,395	-----	Other classes ¹⁹					4					4					4					4					4				
Other classes ³⁹	4	271,324	70,716	271,324	-----	Other classes ²⁰					4					4					4					4					4				
Other classes ⁴⁰	5	502,403	502,403	502,403	-----	Other classes ²¹					4																								

TABLE 4.—CONSTRUCTION BUSINESS OUTSIDE HOME STATE, BY LOCATION

STATE OR COUNTRY	LOCATION REPORTED BY—			STATE OR COUNTRY	LOCATION REPORTED BY—		
	All classes of establishments	General contractors	Subcontractors		All classes of establishments	General contractors	Subcontractors
INDIANA				GARY			
Total distributed by State or country ¹	\$16,601,880	\$7,446,214	\$8,245,666	Total distributed by State ⁴	\$24,345	-----	\$24,345
Arkansas.....	26,917	-----	26,917	Illinois.....	20,145	-----	20,145
California.....	1,126,000	-----	1,126,000	Wisconsin.....	4,200	-----	4,200
District of Columbia.....	5,465	-----	5,465	INDIANAPOLIS			
Florida.....	117,784	117,784	-----	Total distributed by State ⁵	1,489,240	\$616,970	872,279
Georgia.....	72,080	-----	72,080	Georgia.....	7,080	-----	7,080
Illinois.....	2,258,778	1,856,687	402,091	Illinois.....	349,180	79,141	270,039
Iowa.....	2,144	-----	2,144	Kentucky.....	151,582	76,052	75,530
Kansas.....	67,200	67,200	-----	Michigan.....	400,132	384,359	15,773
Kentucky.....	345,296	265,935	79,361	Nebraska.....	5,721	-----	5,721
Michigan.....	2,858,136	2,738,708	119,428	New York.....	19,500	-----	19,500
Nebraska.....	23,121	17,400	5,721	Ohio.....	246,023	77,418	168,605
New Jersey.....	13,970	-----	13,970	Pennsylvania.....	22,894	-----	22,894
New York.....	23,285	-----	23,285	Tennessee.....	35,817	-----	35,817
North Dakota.....	24,112	-----	24,112	Texas.....	21,320	-----	21,320
Ohio.....	1,046,494	517,461	1,129,033	Other States, n. s.....	230,000	-----	230,000
Oklahoma.....	303,000	-----	303,000	SOUTH BEND			
Pennsylvania.....	42,627	-----	42,627	Total distributed by State ⁶	1,121,083	908,381	212,702
South Dakota.....	13,622	-----	13,622	Arkansas.....	26,917	-----	26,917
Tennessee.....	109,319	163,168	36,151	Illinois.....	80,459	53,647	26,812
Texas.....	3,093,935	-----	3,093,935	Kansas.....	67,200	67,200	-----
West Virginia.....	13,202	-----	13,202	Kentucky.....	2,500	-----	2,500
Wisconsin.....	33,746	20,546	4,200	Michigan.....	860,563	767,189	93,374
Other States, n. s.....	3,365,158	1,655,896	1,709,262	Nebraska.....	17,400	17,400	-----
Canada.....	16,429	16,429	-----	Ohio.....	66,044	445	65,599
EVANSVILLE				Other States, n. s.....			
Total distributed by State or country ²	114,979	114,979	-----	Illinois.....	11,687	-----	11,687
Illinois.....	11,687	11,687	-----	Kentucky.....	76,725	76,725	-----
Kentucky.....	76,725	76,725	-----	Michigan.....	16,138	16,138	-----
Michigan.....	16,138	16,138	-----	Canada.....	10,429	10,429	-----
Canada.....	10,429	10,429	-----	FORT WAYNE			
FORT WAYNE				Total distributed by State ³	1,622,743	1,620,790	1,953
Total distributed by State ³	1,622,743	1,620,790	1,953	Illinois.....	572,571	572,571	-----
Illinois.....	572,571	572,571	-----	Michigan.....	725,577	725,577	-----
Michigan.....	725,577	725,577	-----	Ohio.....	324,595	322,642	1,953
Ohio.....	324,595	322,642	1,953				

Number of establishments reporting:

- ¹ All classes, 105; general contractors, 61; subcontractors, 44.
- ² All classes, 1.
- ³ All classes, 9.
- ⁴ All classes, 1.
- ⁵ All classes, 23; general contractors, 10; subcontractors, 13.
- ⁶ All classes, 12; general contractors, 6; subcontractors, 6.

TABLE 5.—NUMBER AND SALARIES OF PROPRIETORS, FIRM MEMBERS, AND SALARIED EMPLOYEES: 1929

CLASSIFICATION OF ESTABLISHMENTS	Establishments reporting	PROPRIETORS AND FIRM MEMBERS			SALARIED EMPLOYEES									
		Receiving no salary	Receiving salaries		All salaried employees		Officers and clerical staff		Superintendents, foremen, etc.		Number reported, by sex			Sex not reported
			Number	Total annual salaries	Total number	Total annual salaries	Number	Total annual salaries	Number	Total annual salaries	Total	Male	Female	
INDIANA	725	518	305	\$949,441	2,086	\$5,416,372	1,191	\$3,255,422	875	\$2,180,950	1,810	1,473	337	256
Operative builders.....	14	3	2	6,200	50	94,905	36	53,818	14	41,087	40	30	19	1
General contractors.....	384	349	146	478,468	1,178	3,332,668	567	1,867,033	611	1,465,635	1,050	915	141	122
Building.....	228	256	84	277,397	651	1,741,002	341	925,475	310	816,127	587	491	96	64
Building not specialized.....	176	224	69	247,220	562	1,514,350	282	765,983	280	743,367	511	435	76	51
Commercial building only.....	7	4	3	4,227	12	31,032	8	16,932	6	14,100	14	10	4	-----
Manufacturing building only.....	4	2	-----	-----	14	34,780	7	22,140	5	12,640	9	7	2	3
Residential building only.....	41	26	12	25,950	63	161,440	44	120,420	19	41,020	53	39	14	10
Highway.....	60	46	21	95,006	214	594,437	89	336,280	125	258,177	199	184	15	15
Bridge and culvert.....	22	15	10	25,211	92	219,649	27	87,396	65	132,253	87	80	7	5
Grading.....	3	4	-----	-----	4	8,940	2	4,740	2	4,200	4	4	-----	-----
Street paving.....	48	17	25	60,446	143	459,387	72	300,629	71	149,768	110	102	17	24
Sewer, gas, water, conduit.....	12	7	2	6,240	50	241,245	24	162,692	26	78,553	38	34	4	12
Dredging, river, harbor, etc.....	5	3	-----	-----	11	27,238	7	17,021	4	10,217	11	10	1	-----
Railroad.....	3	1	1	5,168	2	7,200	2	7,200	2	7,200	-----	-----	-----	2
Other classes ¹	3	-----	3	9,000	11	32,970	3	16,620	8	16,350	11	10	1	-----
Subcontractors.....	327	164	157	404,773	838	1,988,790	588	1,334,671	250	654,223	705	523	177	133
Concreteing.....	9	12	-----	-----	11	15,359	8	11,759	3	3,600	6	4	2	5
Electrical.....	41	12	12	29,146	122	263,551	94	182,960	28	80,582	93	70	23	29
Heating and plumbing.....	143	72	81	243,607	302	646,063	233	476,676	69	169,387	261	173	83	41
Heating and piping ²	42	18	18	72,763	129	303,339	98	222,295	31	81,044	113	85	27	16
Plumbing.....	54	24	39	97,789	103	220,262	79	170,535	24	49,727	85	57	28	18
Plumbing and heating combined.....	47	30	24	78,065	70	122,462	56	83,846	14	38,616	63	35	28	7

See footnotes at end of table.

TABLE 5.—NUMBER AND SALARIES OF PROPRIETORS, FIRM MEMBERS, AND SALARIED EMPLOYEES: 1929—
Continued

CLASSIFICATION OF ESTABLISHMENTS	Estab-lish-ments re- port- ing	PROPRIETORS AND FIRM MEMBERS			SALARIED EMPLOYEES								Sex not re- ported	
		Re- ceiv- ing no salary	Receiving salaries		All salaried em- ployees		Officers and clerical staff		Superintendents, foremen, etc.		Number reported, by sex			
			Num- ber	Total annual salaries	Total num- ber	Total annual salaries	Num- ber	Total annual salaries	Num- ber	Total annual salaries	Total	Male		Fe- male
INDIANA—Continued.														
Subcontractors—Continued.														
Masonry	15	10	6	\$15,402	43	\$68,032	23	\$51,517	20	\$46,515	42	35	7	1
Painting and decorating	21	13	5	10,822	31	67,052	23	49,772	8	18,180	22	11	11	0
Glass and glazing	4	1	4	15,510	6	7,294	6	7,294			6	3	3	
Plastering and lathing	5	4	5	10,623	3	2,924	3	2,924			1	1	2	
Roofing and sheet-metal work	47	14	20	87,965	110	242,520	60	150,495	41	92,025	104	81	23	0
Roofing	23	7	12	36,683	70	145,341	45	98,137	25	47,204	67	52	15	3
Sheet-metal work	20	4	16	43,553	36	88,941	20	44,120	16	44,821	36	29	7	
Roofing and sheet metal combined	4	3	1	7,729	4	8,238	4	8,238			1	1	1	3
Steel erection	4				30	90,115	18	62,101	12	37,014	18	14	4	12
Stonework	5	1			22	67,261	14	43,990	8	23,271	14	11	3	8
Marble and tiling	13	3	7	10,398	34	108,892	32	101,924	2	6,968	25	19	6	9
Excavating	10	7	4	12,200	20	43,435	3	4,050	17	30,385	15	13	2	5
Grading	3	5			8	31,005	4	21,225	4	9,780	4	3	1	4
Other classes	7	4	4	8,100	96	295,396	58	167,875	38	127,521	94	86	8	2
EVANSVILLE														
Operative builders	3	1			2	1,980	2	1,980			1	1		1
General contractors	21	10	7	16,200	96	288,786	40	171,850	50	117,430	67	57	10	29
Building	14	6	3	8,100	75	176,920	37	85,420	38	91,500	45	40	8	27
Street paving	3	1	2	4,160	10	83,116	6	74,406	4	11,620	10	8	2	
Other classes	4	3	2	4,000	11	25,750	3	11,440	8	14,310	9	9		2
Subcontractors	19	6	6	17,847	56	133,007	43	101,882	13	32,025	59	41	15	
Electrical	3	1	1	3,000	15	31,150	11	21,760	4	9,390	15	12	3	
Heating and plumbing	7	4	2	6,760	17	43,430	14	35,910	3	7,520	17	11	6	
Masonry	5	1	2	6,267	12	37,307	10	83,252	2	4,115	12	10	2	
Other classes	4	1	1	1,820	12	21,900	8	10,960	4	11,000	12	8	4	
FORT WAYNE														
General contractors	35	17	22	92,665	98	275,002	43	133,543	55	141,459	95	84	11	3
Building	22	14	20	62,497	39	101,522	16	35,512	23	66,010	39	32	7	
Building not specialized	18	10	20	62,497	38	100,546	15	34,536	23	66,010	38	32	6	
Residential building only	4	4			1	976	1	976			1	1		
Highway	7	1	1	25,000	41	109,800	17	54,310	24	55,490	38	30	2	3
Other classes	6	2	1	5,163	18	63,680	10	43,721	8	19,959	18	16	2	
Subcontractors	37	22	23	61,031	57	116,600	44	80,654	13	26,946	45	27	18	12
Concreting	4	5	3	4,135										
Electrical	3	1			9	16,399	8	13,331	1	3,068	7	4	3	2
Heating and plumbing	15	8	11	33,046	26	65,259	21	53,068	5	12,191	18	9	9	8
Heating and piping	7	3	6	26,913	16	30,772	12	20,181	4	10,591	15	8	7	1
Plumbing	4	3	2	3,786	6	28,956	6	28,956						6
Plumbing and heating combined	4	2	3	2,947	4	5,531	3	3,931	1	1,600	3	1	2	1
Painting and decorating	5	4	1	3,900	6	9,838	6	9,838			6	4	2	
Roofing and sheet-metal work	7	2	8	19,350	14	20,939	7	9,252	7	11,687	14	10	4	
Roofing	3	3	3	8,060	11	15,447	5	6,780	6	8,687	11	9	2	
Sheet-metal work	4	2	5	11,290	3	5,402	2	2,492	1	3,000	3	1	2	
Other classes	3	2			2	4,165	2	4,165						2
GARY														
General contractors	13	6	3	14,504	37	102,451	20	60,549	17	41,902	37	30	7	
Building	8	3	2	12,320	22	60,715	16	45,664	6	15,151	22	17	5	
Highway and street paving	5	3	1	2,184	15	41,736	4	14,985	11	26,751	15	13	2	
Subcontractors	17	0	0	24,066	27	70,020	22	54,727	5	15,293	26	21	5	1
Electrical	4	3			11	33,204	9	24,641	2	8,723	11	9	2	
Painting, decorating, and glazing	3	1	3	11,610	2	3,440	2	3,440			1	1		1
Heating and plumbing	3	2	2	7,650	8	17,834	5	11,264	3	6,670	8	8		
Sheet-metal work	3	1	1	4,806	5	14,482	5	14,482			5	3	2	
Other classes	4	4			1	1,000	1	1,000			1	3	1	
INDIANAPOLIS														
Operative builders	5		1	4,200	15	35,783	11	24,332	4	11,451	15	10	5	
General contractors	79	36	24	80,117	295	916,222	165	557,891	130	358,331	201	218	43	34
Building	53	29	13	51,528	186	597,476	113	346,905	73	220,571	169	139	30	17
Building not specialized	37	18	8	40,728	149	468,001	83	255,040	66	203,351	142	121	21	7
Residential building only	16	11	5	10,800	37	108,485	30	91,265	7	17,220	27	18	9	10
Highway	5	2	5	13,200	23	50,210	10	26,675	13	23,535	21	18	3	2
Bridge and culvert	6	2			27	91,516	12	46,416	15	45,100	22	19	3	5
Street paving	12	3	6	15,380	47	128,795	23	75,330	24	53,405	47	40	7	
Other classes	3				12	78,225	7	62,565	5	15,660	2	2		10
Subcontractors	73	34	18	91,445	256	630,867	160	431,618	96	249,249	238	185	53	18
Electrical	6	1	1	1,300	36	97,070	20	49,228	16	47,842	36	33	3	
Heating and plumbing	33	24	8	50,203	83	194,693	58	127,121	25	67,572	74	51	23	9
Heating and piping	11	4	1	20,000	51	143,108	35	99,715	16	43,393	44	36	8	7
Plumbing	11	9	4	11,622	16	22,990	12	14,521	4	8,469	14	8	6	2
Plumbing and heating combined	11	11	3	18,581	16	28,595	11	12,885	6	15,710	16	7	9	
Masonry and concreting	6	2	1	5,500	40	93,624	21	49,624	19	44,000	40	33	7	
Painting and decorating	5	2	2	9,100	8	9,940	4	4,060	4	5,880	8	2	6	
Roofing and sheet-metal work	9	2	2	12,912	30	81,008	19	55,946	11	25,062	30	24	6	
Roofing	5	1	1	5,183	23	58,268	16	42,746	7	15,522	23	17	6	
Sheet-metal work	4	2	1	7,729	7	22,740	3	13,200	4	9,540	7	7		

See footnotes at end of table.

CONSTRUCTION—INDIANA

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TABLE 5.—NUMBER AND SALARIES OF PROPRIETORS, FIRM MEMBERS, AND SALARIED EMPLOYEES: 1929—
Continued

CLASSIFICATION OF ESTABLISHMENTS	Estab-lish-ments re- port- ing	PROPRIETORS AND FIRM MEMBERS		SALARIED EMPLOYEES									Sex not re- ported	
		Re- ceiv- ing no salary	Receiving salaries		All salaried em- ployees		Officers and clerical staff		Superintendents, foremen, etc.		Number reported, by sex			
			Num- ber	Total annual salaries	Total num- ber	Total annual salaries	Num- ber	Total annual salaries	Num- ber	Total annual salaries	Total	Male		Fe- male
INDIANAPOLIS—Continued.														
Subcontractors—Continued.														
Steel erection ¹¹	4			25	\$90,404	10	\$50,534	9	\$30,320	21	17	4	4	
Marble and tiling.....	6	1	3	23	91,023	21	84,055	2	6,968	18	15	3	6	
Excavating.....	4	3	1	11	23,105	1	2,000	10	21,105	11	10	1	1	
SOUTH BEND.....	58	17	28	237	687,012	152	415,340	85	271,672	210	165	45	27	
General contractors ¹².....														
Building ¹³	14	5	3	133	455,176	78	264,479	55	190,097	130	100	24	3	
Other classes ¹⁴	10	4	3	117	380,479	70	211,077	47	169,402	114	92	22	3	
Other classes ¹⁵	4	1		16	74,697	8	53,402	8	21,295	16	14	2	1	
Subcontractors.....														
Electrical.....	44	12	25	104	231,830	74	150,861	30	80,975	80	59	21	24	
Heating and plumbing.....	4	1	3	8	15,480	7	12,500	1	2,970	8	4	4	1	
Plumbing.....	18	4	17	32	62,014	25	43,705	7	18,000	28	19	9	4	
Plumbing and heating combined.....	9	2	8	15	27,704	13	23,924	2	3,780	12	6	6	3	
Painting and decorating.....	9	2	9	17	34,910	12	19,781	5	15,120	10	13	3	1	
Plastering, marble, and tiling.....	5	3	1	10	20,709	7	12,009	3	7,800	4	3	1	6	
Roofing and sheet-metal work.....	4	1	2	10	12,832	10	12,832			8	4	4	2	
Roofing.....	8	1	2	24	62,415	14	33,000	10	29,415	24	21	3	1	
Sheet-metal work.....	5	1		18	41,515	12	28,400	6	13,115	18	15	3	1	
Other classes ¹⁷	3	2		6	20,900	2	4,600	4	10,300	6	6	1	1	
	5			20	57,786	11	35,905	9	21,881	8	8		12	

- ¹ Includes waterworks; and central station, light and power plant.
- ² Includes automatic temperature control.
- ³ Includes carpentering and wood flooring; and flooring, n. e. s.
- ⁴ Includes elevator construction; street paving; sewer, gas, water, conduit; metal work, n. e. s.; and rental of equipment, trucking, etc.
- ⁵ Includes highway; bridge and culvert; and waterworks.
- ⁶ Includes concreting; and stonework.
- ⁷ Includes painting and decorating; sheet-metal work; and sewer, gas, water, conduit.
- ⁸ Includes grading; and street paving.
- ⁹ Includes sewer, gas, water, conduit; dredging, river, harbor, etc.; and railroad.
- ¹⁰ Includes masonry; and stonework.
- ¹¹ Includes flooring, n. e. s.
- ¹² Includes plastering and lathing; marble and tiling; and excavating.
- ¹³ Includes carpentering and wood flooring; concreting; marble and tiling; and excavating.
- ¹⁴ Includes elevator construction.
- ¹⁵ Includes operative builders.
- ¹⁶ Includes street paving; sewer, gas, water, conduit; and water works.
- ¹⁷ Includes concreting; stonework; grading; and sewer, gas, water, conduit.

TABLE 6.—VALUE OF CONSTRUCTION EQUIPMENT, IN COMPARISON WITH CONSTRUCTION BUSINESS AND WAGES PAID DURING 1929

CLASSIFICATION OF ESTABLISHMENTS AND PERCENTAGE OF EQUIPMENT OWNED	Estab-lish-ments re- port- ing	EQUIPMENT		Value of con- struction business reported	Wages paid	CLASSIFICATION OF ESTABLISHMENTS AND PERCENTAGE OF EQUIPMENT OWNED	Estab-lish-ments re- port- ing	EQUIPMENT		Value of con- struction business reported	Wages paid
		Pur- chased during the year	Inven- tory value at end of year					Pur- chased during the year	Inven- tory value at end of year		
INDIANA.....	652	\$2,052,927	\$9,940,151	\$90,200,823	\$23,600,072	INDIANA—Continued.					
Classification of establish- ments						Classification of establish- ments—Continued					
Operative builders.....	13	1,965	5,170	1,295,112	209,716	Subcontractors—Continued.					
General contractors.....	350	1,594,065	7,873,850	66,746,607	15,006,794	Roofing and sheet-metal work.....	43	\$32,514	\$163,504	\$3,191,554	\$904,785
Building.....	204	205,222	1,268,411	38,521,212	8,961,520	Roofing.....	20	19,952	69,048	1,064,602	446,424
Building not specialized.....	160	182,515	1,103,197	34,810,921	8,328,141	Sheet-metal work.....	15	10,737	78,808	1,314,183	402,945
Commercial building only.....	7	2,835	14,604	441,043	87,791	Roofing and sheet-metal com- bined.....	4	1,825	5,048	212,769	55,416
Manufacturing building only.....	4	4,110	43,960	402,916	77,034	Steel erection.....	3	5,114	101,350	591,875	249,807
Residential building only.....	33	15,962	40,644	2,805,332	468,560	Stone work.....	3	10,600	44,778	308,500	75,117
Highway.....	59	780,286	3,270,000	14,282,578	3,367,361	Marble and tiling.....	11	6,958	28,032	1,610,112	455,775
Bridge and culvert.....	21	126,512	740,754	3,835,929	1,201,569	Excavating.....	10	87,742	421,427	621,044	281,443
Street paving.....	47	263,253	1,327,412	6,642,655	1,414,321	Grading.....	3	115,330	157,577	342,795	128,724
Sewer, gas, water, conduit.....	12	101,619	794,205	2,400,052	650,443	Other classes ¹	6	38,563	520,808	7,342,871	1,156,404
Dredging, river, harbor, etc.....	5	97,943	302,639	411,874	75,712	Percentage of equipment owned					
Railroad.....	3	2,100	61,437	241,751	115,162	General contractors ⁴	369	1,506,630	7,879,032	68,041,719	16,116,510
Other classes ¹	5	17,700	108,989	401,926	111,700	None.....	23			1,671,558	145,127
Subcontractors.....	283	456,297	2,061,119	28,159,104	7,483,562	1% to 25%.....	4		3,150	624,364	148,547
Carpentering and wood floor- ing ²	4	38,774	10,443	214,588	53,093	26% to 50%.....	8	18,724	79,329	795,314	202,844
Concreting.....	7	6,494	76,648	508,168	216,602	51% to 75%.....	12	7,850	84,005	1,013,312	242,649
Electrical.....	38	15,070	114,150	2,841,517	858,900	76% to 99%.....	50	337,110	1,106,412	15,614,012	3,630,046
Heating and plumbing.....	119	57,690	302,470	8,365,208	2,016,695	100%.....	266	1,217,559	6,528,980	47,637,348	11,563,351
Heating and piping ³	35	22,204	88,693	3,324,192	810,857	Not reported.....	6	13,887	77,156	785,811	183,946
Plumbing.....	40	18,700	98,415	2,028,293	650,233	Subcontractors.....	283	456,297	2,061,119	28,159,104	7,483,562
Plumbing and heating com- bined.....	38	10,756	116,362	2,412,723	549,662	None.....	3			436,547	113,236
Masonry.....	13	17,831	59,114	750,308	201,600	1% to 25%.....	1	555	913	112,494	20,617
Painting and decorating.....	18	12,734	40,977	946,077	476,887	26% to 50%.....	1				
Plastering and lathing.....	5	1,932	21,335	514,597	318,140						

See footnotes at end of table.

TABLE 6.—VALUE OF CONSTRUCTION EQUIPMENT, IN COMPARISON WITH CONSTRUCTION BUSINESS AND WAGES PAID DURING 1929—Continued

CLASSIFICATION OF ESTABLISHMENTS AND PERCENTAGE OF EQUIPMENT OWNED	Establishments reporting	EQUIPMENT		Value of construction business reported	Wages paid	CLASSIFICATION OF ESTABLISHMENTS AND PERCENTAGE OF EQUIPMENT OWNED	Establishments reporting	EQUIPMENT		Value of construction business reported	Wages paid
		Purchased during the year	Inventory value at end of year					Purchased during the year	Inventory value at end of year		
INDIANA—Continued.						GARY—Continued.					
<i>Percentage of equipment owned—Continued</i>						<i>Classification of establishments—Continued</i>					
Subcontractors—Continued.						Subcontractors—Continued.					
51% to 75%.....	5	\$84,433	\$108,541	\$889,797	\$104,965	Painting, decorating, and glazing.....	3	\$4,377	\$12,863	\$140,341	\$56,542
76% to 99%.....	20	59,031	664,408	3,226,240	1,544,605	Sheet-metal work.....	3	644	13,494	117,940	36,677
100%.....	245	306,853	1,256,295	18,325,619	5,484,295	Other classes ¹⁴	2		42,607	140,012	67,853
Not reported.....	9	6,426	30,901	468,407	155,844	<i>Percentage of equipment owned ⁵</i>					
EVANSVILLE.....						General contractors.....					
<i>Classification of establishments</i>						<i>Classification of establishments</i>					
Operative builders.....						General contractors.....					
General contractors.....						26% to 50%.....					
Building.....	14	15,905	84,602	2,837,108	530,804	76% to 99%.....	3	30,180	60,185	338,167	98,319
Street paving.....	3	13,767	27,669	589,768	77,542	100%.....	6	25,593	116,862	1,157,607	214,674
Other classes ⁶	4	74,530	252,609	965,432	294,426	Subcontractors.....					
Subcontractors.....						76% to 99%.....					
Heating and plumbing.....	15	9,788	48,551	1,142,706	353,629	100%.....	13	1,362	78,655	614,677	193,790
Masonry and stonework.....	6	113	9,908	400,277	96,819	INDIANAPOLIS.....					
Other classes ⁷	4	3,775	13,443	212,241	60,936	<i>Classification of establishments</i>					
<i>Percentage of equipment owned ³</i>						Operative builders.....					
General contractors ².....						General contractors.....					
None.....	8	104,202	305,480	4,568,895	914,272	Building.....	70	274,464	1,358,709	17,407,684	3,559,248
100%.....	17	104,202	305,480	3,963,774	590,772	Building not specialized.....	44	39,367	271,820	12,610,643	2,408,007
Subcontractors.....						Highway.....					
76% to 99%.....	1	13	5,500	605,121	23,500	Residential building only.....	34	33,077	255,061	11,249,795	2,274,115
100%.....	13	9,775	41,703	1,019,240	323,226	Highway.....	10	6,290	16,159	1,360,848	194,552
Not reported.....	1		1,348	53,254	12,326	Bridge and culvert.....	5	60,277	379,203	1,620,130	283,283
FORT WAYNE.....						Street paving.....					
<i>Classification of establishments</i>						Other classes ¹⁰.....					
General contractors.....						Subcontractors.....					
Building.....	20	25,750	118,188	4,103,990	842,973	Electrical.....	64	81,767	531,846	7,319,998	2,396,088
Building not specialized.....	17	25,460	117,238	3,942,990	814,973	Heating and plumbing.....	7	2,364	13,495	1,141,198	400,178
Residential building only.....	3	300	950	101,000	28,000	Heating and plumbing.....	28	13,377	67,749	2,457,097	927,794
Highway ⁹	7	199,500	594,140	2,802,619	741,223	Heating and piping ⁸	10	7,594	30,290	1,375,337	356,913
Other classes ¹⁰	6	26,475	455,122	839,395	200,171	Plumbing.....	10	1,433	14,404	447,097	125,566
Subcontractors.....						Plumbing and heating combined.....					
Concrete ¹¹	29	98,062	154,012	2,200,119	626,615	Masonry and concreting.....	8	4,350	23,055	635,233	145,325
Heating and plumbing.....	4	14,614	24,582	202,287	65,480	Painting and decorating.....	6	16,188	77,329	741,161	332,446
Heating and piping.....	10	7,403	25,126	936,392	201,443	Roofing and sheet-metal work.....	3	1,648	9,480	198,438	112,007
Plumbing and heating combined.....	5	2,500	13,837	518,371	119,283	Roofing.....	8	3,953	29,792	1,116,779	229,316
Painting and decorating ¹²	5	4,908	11,289	418,021	82,160	Roofing.....	4	2,160	21,360	656,815	167,600
Roofing and sheet-metal work.....	7	39,524	16,313	153,111	57,816	Sheet-metal work.....	4	1,793	8,432	458,064	131,656
Roofing.....	3	3,079	10,952	373,131	114,194	Steel erection ¹⁶	3	5,114	86,800	298,483	177,515
Roofing.....	4	2,139	7,334	164,692	48,455	Marble and tiling.....	5	4,281	16,501	1,095,018	300,273
Sheet-metal work.....	3	1,540	9,618	203,439	65,739	Excavating.....	4	34,842	230,700	271,324	137,559
Other classes ¹³	5	32,837	71,039	535,228	187,632	<i>Percentage of equipment owned ³</i>					
<i>Percentage of equipment owned ³</i>						General contractors ³.....					
General contractors.....						None.....					
None.....	2	251,725	1,167,450	7,745,974	1,784,367	1% to 25%.....	7	274,464	1,358,805	17,698,769	3,020,862
51% to 75%.....	1		2,500	100,787	25,313	26% to 50%.....	2	500	2,000	506,826	122,067
76% to 99%.....	3	3,214	41,436	1,122,260	289,425	51% to 75%.....	4	1,554	2,154	288,587	71,066
100%.....	27	248,511	1,123,515	6,256,298	1,408,785	76% to 99%.....	1		1,500	135,403	28,971
Subcontractors.....						76% to 99%.....					
Heating and plumbing.....	29	98,062	154,012	2,200,119	626,615	100%.....	12	67,157	351,105	4,989,797	1,015,506
Heating and piping.....	1	777	3,081	254,107	81,029	Not reported.....	43	204,908	1,000,056	10,728,032	2,242,962
100%.....	20	96,685	145,145	1,871,138	507,740	INDIANAPOLIS.....					
Not reported.....	2	600	5,786	74,874	37,846	<i>Classification of establishments</i>					
GARY.....						General contractor ³.....					
<i>Classification of establishments</i>						Building ³.....					
General contractors.....						Other classes ¹⁶.....					
Building.....	10	70,914	251,072	1,860,962	383,071	Subcontractors.....					
Highway and street paving.....	5	1,183	21,042	651,416	117,577	Electrical.....	41	111,779	208,976	3,150,413	1,017,068
Subcontractors.....						Electrical.....					
Electrical.....	15	5,739	85,875	686,628	237,504	Heating and plumbing.....	4	1,730	16,477	227,615	60,562
Heating and plumbing.....	3	218	11,327	194,301	61,365	Plumbing.....	17	6,554	30,849	1,100,385	240,927
<i>See footnotes at end of table.</i>						Plumbing and heating combined.....					
						Painting and decorating.....					
						Plastering, marble, and tiling.....					
						Roofing and sheet-metal work.....					
						Roofing.....					
						Sheet-metal work.....					
						Other classes ¹⁷.....					

CONSTRUCTION—INDIANA

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TABLE 6.—VALUE OF CONSTRUCTION EQUIPMENT, IN COMPARISON WITH CONSTRUCTION BUSINESS AND WAGES PAID DURING 1929—Continued

CLASSIFICATION OF ESTABLISHMENTS AND PERCENTAGE OF EQUIPMENT OWNED	Establishments reporting	EQUIPMENT		Value of construction business reported	Wages paid	CLASSIFICATION OF ESTABLISHMENTS AND PERCENTAGE OF EQUIPMENT OWNED	Establishments reporting	EQUIPMENT		Value of construction business reported	Wages paid
		Purchased during the year	Inventory value at end of year					Purchased during the year	Inventory value at end of year		
SOUTH BEND—Continued.						SOUTH BEND—Continued.					
<i>Percentage of equipment owned¹</i>						<i>Percentage of equipment owned—Continued</i>					
General contractors ⁵	14	\$73,065	\$257,361	\$6,493,437	\$1,765,165	Subcontractors.....	41	\$111,779	\$208,976	\$3,159,413	\$1,017,088
None.....	1			84,000	6,703	28% to 50%.....	1	555	913	112,494	20,617
51% to 75%.....	1	1,250	2,255	125,000	20,000	51% to 75%.....	2	69,433	60,541	235,297	75,545
76% to 99%.....	5	51,143	166,011	4,594,100	1,313,192	76% to 99%.....	2	232	1,745	65,775	9,920
100%.....	7	20,972	88,195	1,689,071	425,270	100%.....	36	41,559	149,777	2,755,847	910,977

- ¹ Includes grading; waterworks; and central station, light and power plant.
- ² Includes glass and glazing; and flooring, n. e. s.
- ³ Includes automatic temperature control.
- ⁴ Includes elevator construction; street paving; sewer, gas, water, conduit; metal work, n. e. s.; and rental of equipment, trucking, etc.
- ⁵ Includes operative builders.
- ⁶ Includes highway; bridge and culvert; and waterworks.
- ⁷ Includes electrical; painting and decorating; sheet-metal work; and sewer, gas, water, conduit.
- ⁸ For complete classification see tabulation for the State above.
- ⁹ Includes grading; and street paving.
- ¹⁰ Includes sewer, gas, water, conduit; dredging, river, harbor, etc.; and railroad.
- ¹¹ Includes masonry; and stonework.
- ¹² Includes flooring, n. e. s.
- ¹³ Includes electrical; plastering and lathing; marble and tiling; and excavating.
- ¹⁴ Includes carpentering and wood flooring; concreting; and excavating.
- ¹⁵ Includes elevator construction.
- ¹⁶ Includes street paving; sewer, gas, water, conduit; and waterworks.
- ¹⁷ Includes concreting; grading; and sewer, gas, water, conduit.

TABLE 7.—WAGE EARNERS, BY MONTHS, AND WAGES PAID DURING 1929

CLASSIFICATION OF ESTABLISHMENTS AND LENGTH OF WORKING WEEK	Establishments reporting	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY												Wages paid during year
		January	February	March	April	May	June	July	August	September	October	November	December	
INDIANA	657	8,330	8,494	10,205	13,080	15,351	17,197	19,249	20,161	19,500	18,384	14,813	11,154	\$23,177,887
<i>Classification of establishments</i>														
Operative builders.....	10	63	58	97	159	192	202	181	157	145	140	95	72	239,600
General contractors.....	841	5,042	5,016	6,244	8,009	10,574	12,019	14,029	14,601	14,276	13,223	10,200	7,292	14,958,752
Building.....	198	3,765	3,682	4,361	5,165	5,533	6,605	6,430	6,398	6,406	6,239	5,023	5,024	8,303,328
Building not specialized.....	167	3,620	3,472	4,075	4,792	5,054	4,933	5,839	5,818	5,914	5,756	5,199	4,697	7,685,127
Commercial building only.....	7	33	34	44	35	49	104	105	107	98	93	81	54	87,791
Manufacturing building only.....	3	58	24	40	47	60	87	99	85	65	68	80	67	71,199
Residential building only.....	31	154	152	202	291	394	381	384	388	329	322	203	206	459,211
Highway.....	97	346	325	709	1,571	2,661	3,073	4,378	4,655	4,135	3,665	2,134	762	3,322,241
Bridge and culvert.....	19	478	501	520	675	704	837	956	1,007	949	806	700	538	1,112,813
Street paving.....	43	208	277	385	806	1,094	1,804	1,557	1,842	1,933	1,749	1,171	515	1,300,553
Sewer, gas, water, conduit.....	11	138	112	124	174	320	396	416	444	502	453	349	244	625,443
Dredging, river, harbor, etc.....	5	30	23	34	51	62	62	90	95	104	92	84	79	76,712
Railroad.....	3	36	41	48	72	77	131	124	106	110	135	108	101	115,162
Other classes ¹	5	43	50	66	95	57	81	78	54	79	51	31	29	103,500
Subcontractors.....	306	3,225	3,420	3,864	4,322	4,585	4,978	5,039	5,403	5,079	5,021	4,518	3,700	7,979,469
Carpentering and wood flooring ²	5	23	19	24	30	55	44	38	38	20	28	31	16	71,549
Concreting.....	8	69	111	186	181	195	180	177	193	270	346	301	217	229,404
Electrical.....	39	399	394	411	451	444	479	524	527	455	475	487	391	887,181
Heating and plumbing.....	135	1,121	1,094	1,102	1,158	1,263	1,355	1,423	1,465	1,461	1,541	1,473	1,334	2,302,505
Heating and piping ³	40	445	435	433	458	558	594	643	672	642	707	701	601	957,700
Plumbing.....	54	389	375	384	383	383	392	426	438	452	404	432	404	705,609
Plumbing and heating combined.....	41	287	284	285	317	322	370	354	355	367	370	340	329	649,156
Masonry.....	14	97	90	122	140	167	195	238	259	217	170	187	176	235,112
Painting and decorating.....	19	152	159	226	287	332	357	293	307	287	271	237	182	546,256
Plastering and lathing.....	5	40	74	59	88	82	111	147	130	124	127	102	85	313,140
Roofing and sheet-metal work.....	41	350	351	413	439	495	501	608	546	511	502	477	445	855,980
Roofing.....	20	185	190	216	227	262	263	335	266	259	237	238	230	461,119
Sheet-metal work.....	17	144	136	170	176	198	203	232	215	207	224	200	173	342,445
Roofing and sheet metal combined.....	4	21	25	27	36	35	35	41	35	45	41	39	42	55,416
Steel erection.....	4	164	189	162	173	166	214	170	200	166	262	295	242	331,282
Stonework.....	5	44	43	48	48	63	67	74	74	72	74	72	83	95,028
Marble and tiling.....	11	252	216	230	271	284	265	269	272	262	262	198	202	423,607
Excavating.....	10	75	78	90	247	284	281	298	308	240	174	124	75	281,443
Grading.....	3	29	32	62	58	67	85	102	164	217	236	195	49	126,724
Metal work, n. e. s. ⁴	3	228	483	424	444	396	495	481	574	486	249	102	110	687,227
Other classes ⁵	4	152	131	305	308	307	346	194	351	262	361	182	174	474,973
<i>Length of working week</i>														
General contractors ⁶	351	5,105	5,074	6,341	8,708	10,766	12,221	14,210	14,758	14,421	13,363	10,295	7,804	15,198,418
40-hour, 5-day week.....	17	296	267	322	396	317	260	417	511	620	450	404	344	694,379
45-hour, 5-day week.....	1	7	9	10	10	12	15	18	18	18	18	12	8	21,000
50-hour, 5-day week.....	5	37	26	24	26	34	161	162	177	175	63	40	35	113,234
All other 5-day week.....	97	2,086	1,985	2,438	2,793	2,990	2,912	3,400	3,289	3,431	3,362	3,050	2,670	4,403,308
44-hour, 5½-day week.....	17	297	219	228	327	397	431	472	476	440	389	335	228	471,153
49½-hour, 5½-day week.....	28	332	332	413	640	920	945	1,055	1,084	1,178	942	832	471	1,092,918
55-hour, 5½-day week.....	55	794	887	1,118	1,470	1,460	1,551	1,718	1,794	1,775	1,750	1,496	1,428	2,260,711
All other 5½-day week.....	10	37	53	52	90	188	276	308	310	288	320	204	76	268,337
48-hour, 6-day week.....	16	403	405	382	499	685	747	827	935	832	923	686	491	1,168,638
54-hour, 6-day week.....	74	501	481	743	1,583	2,450	3,215	3,810	4,342	4,114	3,698	2,275	1,046	8,280,045
60-hour, 6-day week.....	23	236	376	543	820	1,137	1,497	1,667	1,574	1,395	1,251	790	481	1,285,660
All other 6-day week.....	4	25	32	56	90	148	211	194	208	167	154	140	74	97,227
Not reported.....	4	4	2	12	18	22	30	45	47	47	33	51	12	61,818

See footnotes at end of table.

TABLE 7.—WAGE EARNERS, BY MONTHS, AND WAGES PAID DURING 1929—Continued

CLASSIFICATION OF ESTABLISHMENTS AND LENGTH OF WORKING WEEK	Establishments reporting	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY												Wages paid during year
		January	February	March	April	May	June	July	August	September	October	November	December	
INDIANA—Continued.														
<i>Length of working week—Continued</i>														
Subcontractors.....	306	3,225	3,420	3,864	4,322	4,585	4,976	5,039	5,403	5,079	5,021	4,518	3,700	\$7,079,469
40-hour, 5-day week.....	53	532	545	582	629	707	762	855	844	765	734	711	561	1,521,816
45-hour, 5-day week.....	1	7	7	6	6	5	11	10	25	24	16	12	6	11,070
All other 5-day week.....	2	22	14	10	14	15	17	20	14	14	14	13	11	24,848
44-hour, 5½-day week.....	161	1,834	2,070	2,118	2,361	2,407	2,618	2,697	2,853	2,845	2,655	2,458	2,192	4,255,352
49½-hour, 5½-day week.....	5	38	41	45	47	57	73	92	80	77	80	72	67	103,251
55-hour, 5½-day week.....	9	25	27	57	93	112	98	75	72	66	81	75	71	99,281
All other 5½-day week.....	15	209	187	209	201	188	209	191	211	143	193	207	182	325,631
48-hour, 6-day week.....	3	19	19	22	29	34	40	38	41	42	40	30	26	59,455
54-hour, 6-day week.....	15	123	99	154	187	216	214	181	185	172	167	137	101	243,305
60-hour, 6-day week.....	13	173	173	380	476	457	520	419	636	548	608	422	235	680,358
All other 6-day week.....	16	110	103	123	160	205	241	245	224	207	227	204	180	271,434
All other not designated.....	8	111	110	105	73	91	111	159	146	108	87	101	117	280,358
Not reported.....	5	22	20	53	46	91	92	57	66	68	60	67	41	88,310
EVANSVILLE.....	35	677	595	792	1,091	1,193	1,103	1,224	1,359	1,215	1,305	1,195	761	1,298,890
<i>Classification of establishments</i>														
General contractors.....	16	443	349	542	800	891	762	895	1,035	919	1,015	852	532	889,544
Building.....	10	326	234	362	420	477	334	381	347	324	347	299	304	523,070
Other classes.....	6	117	115	180	380	414	428	514	688	595	668	553	208	366,474
Subcontractors.....	19	234	216	250	291	302	341	320	324	296	290	313	229	409,346
Electrical.....	3	53	62	57	111	94	109	113	118	99	112	114	44	98,362
Heating and plumbing.....	7	73	61	60	44	42	62	84	76	72	76	87	78	122,082
Masonry.....	5	43	44	40	40	55	68	71	75	78	52	63	64	70,341
Other classes.....	4	60	49	84	96	110	112	61	55	47	50	49	43	118,061
<i>Length of working week</i> ¹⁰														
General contractors.....	16	443	349	542	800	891	762	895	1,035	919	1,015	852	532	889,544
44-hour, 5½-day week.....	9	320	228	356	412	468	325	372	338	315	339	294	300	508,940
All other 5½-day week.....	2	39	40	58	56	28	26	32	13	12	18	5	4	35,633
60-hour, 6-day week.....	5	84	81	128	332	395	411	491	684	592	658	553	228	344,971
Subcontractors.....	19	234	216	250	291	302	341	320	324	296	290	313	229	409,346
40-hour, 5-day week.....	3	53	62	57	111	94	109	113	118	99	112	114	44	98,362
44-hour, 5½-day week.....	13	129	122	141	119	117	137	160	149	145	139	155	130	247,047
54-hour, 6-day week.....	2	36	22	41	49	78	80	41	45	34	19	19	18	45,337
All other, 6-day week.....	1	11	10	11	12	13	15	15	15	18	20	25	37	18,100
FORT WAYNE.....	68	723	845	1,073	1,359	1,725	1,860	2,002	1,935	1,814	1,889	1,541	1,223	2,425,462
<i>Classification of establishments</i>														
General contractors.....	33	395	504	645	894	1,145	1,314	1,438	1,370	1,295	1,306	990	797	1,657,080
Building.....	21	297	370	450	464	519	450	480	460	502	583	508	452	728,066
Building not specialized.....	17	236	366	436	438	487	424	449	430	471	553	483	427	682,134
Residential building only.....	4	11	13	14	26	32	32	31	30	31	30	25	25	46,852
Highway.....	6	66	86	146	320	408	647	720	690	590	487	288	162	727,923
Other classes.....	6	32	39	49	110	128	211	220	220	203	236	194	183	200,171
Subcontractors.....	35	328	339	428	465	580	546	564	565	519	583	551	426	768,382
Concreting.....	4	9	6	45	30	37	59	50	44	39	36	28	27	65,480
Electrical.....	3	31	28	30	29	31	32	29	31	31	31	32	32	55,813
Heating and plumbing.....	14	161	169	177	201	231	227	233	286	268	304	284	204	290,268
Heating and piping.....	6	92	101	107	136	168	165	180	212	182	205	213	135	178,334
Plumbing.....	5	46	50	49	36	40	44	40	59	71	85	53	53	85,316
Plumbing and heating combined.....	3	23	18	21	29	23	18	13	15	14	14	13	10	20,018
Painting and decorating.....	4	31	31	42	45	56	65	65	64	41	40	52	43	100,308
Roofing and sheet-metal work.....	7	55	58	59	58	74	64	93	74	72	80	90	78	114,194
Roofing.....	3	18	21	25	23	26	27	42	29	24	24	27	31	48,455
Sheet-metal work.....	4	37	37	34	35	48	37	51	45	48	62	63	47	65,739
Other classes.....	3	41	47	77	95	101	99	94	66	68	77	65	42	142,319
<i>Length of working week</i> ¹⁰														
General contractors.....	33	395	504	645	894	1,145	1,314	1,438	1,370	1,295	1,306	990	797	1,657,080
44-hour, 5½-day week.....	13	172	157	272	326	336	293	271	307	364	366	327	290	470,449
55-hour, 5½-day week.....	1	40	50	60	60	100	80	80	60	40	30	40	20	100,000
All other 5½-day week.....	5	85	171	113	72	73	67	111	59	68	133	99	107	130,565
48-hour, 6-day week.....	1	6	9	11	32	39	64	70	78	61	59	25	7	62,047
54-hour, 6-day week.....	2	7	6	10	12	16	23	64	75	92	130	101	119	77,384
60-hour, 6-day week.....	6	32	39	46	194	252	342	355	381	380	360	205	96	425,187
All other, 6-day week.....	3	53	71	128	190	318	431	463	391	271	209	170	134	370,404
All other not designated.....	1			3	5	9	8	8	9	9	11	18	22	0,671
Not reported.....	1		1	2	3	3	6	10	10	10	8	5	2	11,313
Subcontractors.....	35	328	339	428	465	580	546	564	565	519	583	551	426	768,382
40-hour, 5-day week.....	1	5	2	8	11	14	12	10	6	7	12	7	4	18,310
44-hour, 5½-day week.....	21	233	243	258	279	347	335	359	403	365	415	410	308	463,662
All other 5½-day week.....	3	17	12	26	38	34	26	35	24	17	21	24	29	36,022
54-hour, 6-day week.....	1	26	26	56	63	53	34	24	21	23	25	27	27	81,029
All other, 6-day week.....	4	18	26	27	37	55	76	80	54	54	66	49	20	73,331
All other not designated.....	3	24	24	24	22	24	27	32	32	27	20	22	8	60,128
Not reported.....	2	5	6	26	15	53	36	24	25	26	24	12	24	29,870
GARY.....	28	185	167	250	320	433	488	500	563	513	442	368	191	735,126
<i>Classification of establishments</i>														
General contractors.....	13	112	99	160	229	300	351	365	435	383	319	272	121	473,940
Building.....	8	60	65	92	115	122	144	123	119	121	83	75	53	208,446
Highway and street paving.....	5	52	34	68	114	187	207	242	316	262	236	197	68	265,494
Subcontractors.....	15	73	68	90	91	124	137	135	128	130	128	96	70	261,186
Electrical.....	3	19	19	21	23	19	27	23	21	22	19	23	20	62,777
Painting, decorating, and glazing.....	3	12	11	19	17	23	25	24	26	27	30	29	14	56,542
Sheet-metal work.....	3	15	13	16	11	14	12	17	15	17	16	14	15	36,677
Other classes.....	6	27	25	34	40	68	73	71	66	64	58	30	21	105,100

See footnotes at end of table.

CONSTRUCTION—INDIANA

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TABLE 7.—WAGE EARNERS, BY MONTHS, AND WAGES PAID DURING 1929—Continued

CLASSIFICATION OF ESTABLISHMENTS AND LENGTH OF WORKING WEEK	Estab-lish-ments reporting	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY												Wages paid during year
		January	February	March	April	May	June	July	August	September	October	November	December	
GARY—Continued.														
<i>Length of working week</i> ¹⁰														
General contractors.....	13	112	99	160	229	309	351	365	435	333	319	272	121	\$473,940
40-hour, 5-day week.....	6	42	48	55	74	80	85	79	83	76	64	64	53	148,980
44-hour, 5½-day week.....	2	18	17	27	41	42	59	44	36	45	19	11	-----	60,466
54-hour, 6-day week.....	1	23	8	34	30	57	55	65	80	90	56	92	14	100,078
60-hour, 6-day week.....	4	29	26	44	84	130	152	177	236	172	180	105	54	105,416
Subcontractors.....	15	73	68	90	91	124	137	135	128	130	123	96	70	261,186
40-hour, 5-day week.....	5	16	14	24	19	22	20	23	23	18	18	17	14	68,302
All other 5-day week.....	1	1	1	1	1	2	2	2	2	2	2	2	2	6,127
44-hour, 5½-day week.....	6	40	46	53	52	75	66	62	45	50	45	44	42	120,043
48-hour, 6-day week.....	1	3	3	3	4	8	12	12	15	18	20	20	7	26,857
60-hour, 6-day week.....	1	1	1	1	1	2	2	2	2	2	2	2	2	11,077
Not reported.....	1	7	4	9	15	17	17	10	23	22	18	13	5	29,780
INDIANAPOLIS.....	132	2,736	2,626	2,811	3,137	3,482	3,780	4,318	4,348	4,438	4,321	3,763	3,066	5,662,322
<i>Classification of establishments</i>														
Operative builders.....	4	18	20	40	65	75	83	81	90	64	71	52	41	98,554
General contractors.....	59	1,008	1,540	1,059	1,804	2,025	2,227	2,093	2,733	2,814	2,085	2,221	1,737	3,017,220
Building.....	30	1,318	1,276	1,318	1,288	1,818	1,320	1,046	1,501	1,382	1,443	1,292	1,220	2,046,717
Building not specialized.....	29	1,278	1,221	1,237	1,196	1,205	1,192	1,508	1,388	1,284	1,328	1,195	1,154	1,890,373
Residential building only.....	7	40	55	81	92	113	128	138	113	98	115	97	75	150,344
Highway.....	5	21	10	34	69	131	345	403	454	423	427	203	45	283,283
Bridge and culvert.....	6	112	130	131	171	169	200	220	269	288	204	102	164	219,596
Street paving.....	9	100	80	118	225	331	275	281	396	557	447	407	203	318,030
Other classes ¹²	3	51	47	58	51	76	81	104	113	104	164	127	96	148,994
Subcontractors.....	69	1,110	1,061	1,103	1,268	1,382	1,470	1,674	1,546	1,500	1,565	1,490	1,318	2,546,548
Electrical.....	7	171	157	170	147	166	180	222	194	174	101	170	159	400,178
Heating and plumbing.....	30	301	288	270	289	344	357	370	355	361	380	382	339	607,216
Heating and piping ³	10	184	178	155	153	209	203	200	190	193	219	212	200	356,013
Plumbing.....	11	58	54	56	61	70	64	70	60	72	73	79	56	133,870
Plumbing and heating combined.....	9	59	56	68	75	95	90	100	96	96	88	91	83	206,433
Masonry and concreting.....	5	133	140	164	162	136	140	198	220	278	332	315	204	297,595
Painting and decorating.....	4	43	41	65	97	125	123	85	100	79	71	38	33	174,344
Roofing and sheet-metal work.....	9	139	135	139	152	162	194	242	217	193	175	140	125	310,375
Roofing.....	5	91	92	78	82	91	104	139	126	110	87	78	67	187,719
Sheet-metal work.....	4	48	43	61	70	71	90	103	91	83	88	62	58	131,656
Steel erection ⁴	5	96	95	108	137	142	162	143	137	157	229	256	219	264,736
Marble and tiling.....	5	188	154	129	170	191	186	185	190	182	127	121	143	255,495
Excavating.....	4	39	41	43	114	116	128	129	133	136	90	68	36	137,559
<i>Length of working week</i> ¹⁰														
General contractors ⁶	63	1,626	1,575	1,708	1,869	2,100	2,310	2,744	2,802	2,878	2,756	2,273	1,778	3,115,774
40-hour, 5-day week.....	2	32	13	36	18	13	-----	4	12	23	10	7	14	20,700
50-hour, 5-day week.....	2	2	4	6	6	6	106	107	107	104	3	3	2	35,998
44-hour, 5½-day week.....	15	713	767	772	681	711	708	1,106	917	880	978	871	843	1,228,735
49½-hour, 5½-day week.....	2	190	99	103	100	83	62	59	35	47	53	75	87	85,013
55-hour, 5½-day week.....	11	297	249	292	411	511	400	499	520	636	521	504	325	621,422
All other 5½-day week.....	10	255	276	292	367	406	410	421	505	483	441	370	276	575,190
54-hour, 6-day week.....	1	4	4	4	10	30	30	30	30	30	30	4	4	12,403
60-hour, 6-day week.....	7	107	102	128	161	224	333	411	477	453	535	307	143	383,402
All other 6-day week.....	6	52	60	75	115	116	127	132	194	217	175	119	73	142,221
Not reported.....	1	4	1	-----	-----	5	5	5	5	5	10	13	10	10,450
Subcontractors.....	69	1,110	1,051	1,103	1,268	1,382	1,470	1,574	1,546	1,500	1,565	1,490	1,318	2,546,548
40-hour, 5-day week.....	25	342	332	345	320	418	420	487	450	401	382	384	345	901,884
44-hour, 5½-day week.....	31	615	570	597	725	719	782	801	818	911	927	877	775	1,201,894
55-hour, 5½-day week.....	1	2	2	2	14	19	14	11	0	4	6	1	1	9,437
All other 5½-day week.....	1	41	43	44	40	46	46	44	44	40	43	43	43	81,427
54-hour, 6-day week.....	1	3	3	3	3	3	3	5	6	8	8	8	8	5,118
60-hour, 6-day week.....	3	19	23	24	62	60	69	66	67	69	76	63	24	61,505
All other 6-day week.....	4	39	31	42	63	80	91	92	92	76	80	76	67	90,121
All other not designated.....	2	48	46	43	27	35	43	64	59	43	30	43	49	120,800
Not reported.....	1	1	1	1	2	2	2	2	1	4	4	5	6	5,706
SOUTH BEND.....	54	750	738	908	1,298	1,214	1,211	1,384	1,518	1,667	1,749	1,521	1,442	2,358,979
<i>Classification of establishments</i>														
General contractors ⁶	13	421	400	520	844	719	677	792	872	953	1,050	878	899	1,365,165
Building.....	9	397	385	508	765	601	544	643	735	823	823	798	884	1,182,120
Other classes ¹²	4	24	15	21	79	118	133	149	137	130	227	80	15	183,045
Subcontractors.....	41	329	338	379	454	495	534	592	646	714	690	643	543	991,814
Electrical.....	4	30	30	31	41	37	31	33	35	31	35	33	30	60,562
Heating and plumbing.....	10	134	125	129	152	171	187	194	175	192	203	179	101	295,427
Plumbing.....	9	53	44	45	52	56	58	63	47	50	49	44	64	93,070
Plumbing and heating combined.....	10	81	81	84	100	115	129	131	128	142	164	135	127	201,757
Painting and decorating.....	4	37	43	48	61	61	70	66	74	89	76	71	62	114,345
Plastering, marble, and tiling.....	3	42	55	48	76	61	76	118	140	122	104	81	79	254,782
Roofing and sheet-metal work.....	7	50	47	67	61	87	69	94	89	76	77	88	97	130,740
Other classes ¹²	4	36	38	50	63	78	101	87	133	204	204	191	84	126,938
<i>Length of working week</i> ¹⁰														
General contractors ⁶	13	421	400	529	844	719	677	792	872	953	1,050	878	899	1,365,165
40-hour, 5-day week.....	1	142	174	154	177	121	78	120	134	138	105	128	136	195,084
50-hour, 5-day week.....	1	27	15	11	12	12	38	38	52	54	42	25	27	57,642
44-hour, 5½-day week.....	2	37	27	42	82	91	86	80	81	75	51	85	85	104,894
49½-hour, 5½-day week.....	1	9	-----	5	16	14	11	7	6	18	6	-----	-----	31,601
All other 5½-day week.....	5	191	169	301	494	377	336	390	409	550	601	594	686	824,500
54-hour, 6-day week.....	1	1	1	1	1	27	62	118	66	46	119	55	1	66,140
60-hour, 6-day week.....	1	6	6	7	54	69	44	8	49	58	94	9	6	68,004
Not reported.....	1	8	8	8	8	8	16	16	16	8	8	8	8	17,300

See footnotes at end of table.

TABLE 7.—WAGE EARNERS, BY MONTHS, AND WAGES PAID DURING 1929—Continued

CLASSIFICATION OF ESTABLISHMENTS AND LENGTH OF WORKING WEEK	Establishments reporting	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY												Wages paid during year
		January	February	March	April	May	June	July	August	September	October	November	December	
SOUTH BEND—Continued.														
<i>Length of working week—Continued</i>														
Subcontractors.....	41	329	338	370	454	405	534	502	646	714	690	643	543	\$901,814
40-hour, 5-day week.....	3	21	28	28	33	33	50	69	85	74	56	47	26	87,616
All other 5-day week.....	1	21	18	0	13	13	15	18	12	12	12	11	9	18,721
44-hour, 5½-day week.....	28	211	222	282	298	805	328	352	355	380	391	338	360	660,631
56-hour, 5½-day week.....	2	4	7	19	19	31	19	15	14	16	14	9	29	15,936
All other 5½-day week.....	2	4	9	9	18	13	13	13	13	14	15	16	14	17,279
48-hour, 6-day week.....	1	8	10	13	18	18	21	20	19	18	13	12	12	19,944
60-hour, 6-day week.....	2	10	19	35	41	46	56	49	95	100	155	148	40	78,443
All other not designated.....	1	27	27	22	12	18	25	41	36	24	20	25	31	69,580
Not reported.....	1	9	0	12	14	19	7	15	17	16	23	37	22	23,364

- 1 Includes grading; and waterworks.
- 2 Includes glass and glazing; and flooring, n. e. s.
- 3 Includes automatic temperature control.
- 4 Includes elevator construction.
- 5 Includes street paving; sewer, gas, water, conduit; and rental of equipment, trucking, etc.
- 6 Includes operative builders.
- 7 Includes highway; bridge and culvert; street paving; and waterworks.
- 8 Includes concreting; and stone work.
- 9 Includes painting and decorating; sheet-metal work; and sewer, gas, water, conduit.
- 10 For complete classification see tabulation for State above.
- 11 Includes grading; and street paving.
- 12 Includes sewer, gas, water, conduit; dredging, river, harbor, etc.; and railroad.
- 13 Includes masonry; and stonework.
- 14 Includes flooring, n. e. s.
- 15 Includes plastering and lathing; marble and tiling; and excavating.
- 16 Includes carpentering and wood flooring; concreting; plumbing; plumbing and heating combined; marble and tiling; and excavating.
- 17 Includes street paving; sewer, gas, water, conduit; and waterworks.
- 18 Includes stonework; grading; and sewer, gas, water, conduit.

TABLE 8.—EXPENDITURES OF REPORTING ESTABLISHMENTS: 1929

CLASSIFICATION OF ESTABLISHMENTS	Estab-lishments reporting	Value of construction business reported	PRINCIPAL ITEMS OF EXPENDITURE			OTHER ITEMS OF EXPENDITURE							
			Subcontract work let	Wages paid	Cost of materials	Salaries		Rent for		Interest	Contract bond premiums	Compensation and liability insurance premiums	All other overhead expenses
						Proprietors and firm members	Employees	Equip-ment	Offices, etc.				
INDIANA.....	641	\$89,946,696	\$15,154,000	\$22,036,415	\$35,237,719	\$811,856	\$4,707,424	\$400,687	\$368,688	\$556,866	\$457,945	\$648,444	\$5,743,870
Operative builders.....	10	604,762	282,000	96,424	171,345	4,200	28,612	100	4,741	8,692	-----	1,843	16,616
General contractors.....	337	58,846,340	13,852,000	18,954,304	20,758,364	303,043	2,826,948	207,045	109,733	425,680	418,505	446,171	3,400,619
Building.....	205	36,225,449	11,779,000	8,463,338	11,074,502	248,949	1,521,007	25,689	59,090	159,013	130,444	238,264	810,243
Building not specialized.....	156	32,221,653	10,166,000	7,846,510	10,788,070	225,972	1,318,651	23,089	46,267	126,510	126,434	217,072	688,147
Commercial building only.....	6	389,325	131,000	70,791	112,817	4,227	20,832	2,200	799	3,000	850	3,194	22,497
Manufacturing building only.....	4	402,106	20,000	77,034	180,834	-----	34,780	-----	1,376	4,438	2,691	4,698	42,476
Residential building only.....	39	3,211,555	1,462,000	466,003	892,781	18,750	137,844	400	10,648	25,065	409	13,300	57,123
Highway.....	51	1,887,614	863,000	2,881,771	4,847,827	61,646	474,343	118,208	22,604	131,098	100,358	110,789	1,382,333
Bridge and culvert.....	19	1,998,928	04,000	555,740	741,341	22,091	107,149	6,853	3,457	18,888	28,400	20,484	220,478
Street paving.....	40	5,527,420	555,000	1,186,071	2,145,949	43,940	353,301	38,968	16,945	74,779	57,092	30,769	627,219
Sewer, gas, water, conduit.....	12	2,400,662	35,000	650,443	868,181	6,240	241,245	17,139	5,099	25,962	30,484	30,458	360,133
Dredging, river, harbor, etc.....	4	376,874	36,000	68,212	63,877	-----	27,238	-----	2,244	11,838	10,140	12,069	120,969
Other classes ¹	6	426,403	30,000	144,729	117,187	10,168	42,600	728	1,294	4,102	1,627	3,428	39,244
Subcontractors.....	204	30,495,594	1,520,000	7,985,687	14,308,010	414,613	1,851,809	192,942	252,214	122,493	39,440	200,480	2,266,436
Carpentering and wood flooring ²	4	278,477	3,000	61,945	156,111	11,610	2,600	175	5,620	436	345	1,744	33,506
Concreting.....	8	546,057	-----	226,007	172,094	-----	10,659	263	3,577	2,794	600	8,946	35,936
Electrical.....	35	2,785,621	1,000	1,180,160	1,180,605	22,412	251,113	3,022	51,827	12,461	3,751	11,475	216,277
Heating and plumbing.....	136	10,343,287	176,000	2,500,051	5,497,995	230,181	619,068	1,725	93,508	54,662	25,074	41,875	681,282
Heating and piping ³	42	4,582,443	81,000	1,097,296	2,498,522	72,753	303,339	1,700	43,388	18,359	16,471	16,170	228,743
Plumbing.....	52	2,933,429	58,000	730,630	1,484,869	91,540	216,068	25	27,518	22,416	2,959	12,006	194,185
Plumbing and heating combined.....	42	2,797,415	37,000	672,125	1,514,613	65,879	99,071	-----	22,602	13,877	7,244	12,799	160,354
Masonry.....	12	911,418	7,000	310,273	325,196	10,402	98,032	377	4,031	3,040	1,461	11,370	44,889
Painting and decorating.....	17	1,023,957	-----	529,881	261,057	16,822	67,192	300	11,059	4,817	640	9,013	54,631
Plastering and lathing.....	5	514,507	5,000	318,140	139,140	19,623	2,924	000	890	4,258	475	4,692	20,495
Roofing and sheet-metal work.....	43	3,214,274	18,000	906,370	1,412,075	79,955	227,138	540	40,532	21,168	776	25,465	339,331
Roofing.....	28	1,821,022	3,000	497,069	803,407	36,683	145,341	540	27,027	12,631	501	12,847	202,320
Sheet-metal work.....	16	1,180,433	10,000	363,885	612,070	35,553	73,559	-----	10,948	8,186	275	10,794	121,607
Roofing and sheet metal combined.....	4	212,769	-----	65,416	96,598	7,729	8,238	-----	2,557	361	-----	1,824	15,504
Steel erection.....	4	880,640	1,000	381,282	375,984	-----	99,115	5,280	3,057	1,744	1,000	22,663	60,269
Stonework.....	3	308,500	-----	75,117	125,255	-----	40,320	152	6,941	931	-----	2,199	25,419
Marble and tiling.....	12	1,005,112	12,000	490,045	688,441	16,398	102,392	173	13,249	2,299	1,421	5,188	172,544
Excavating.....	8	428,944	4,000	201,443	6,140	7,200	36,435	26,250	2,203	2,918	972	3,695	86,964
Metal work, n. e. s. ⁴	3	6,207,581	1,209,000	687,227	3,855,054	-----	246,796	10,000	16,140	-----	126	44,257	177,777
Other classes ⁵	4	1,359,129	89,000	528,746	103,933	-----	43,285	144,085	480	10,976	1,766	9,949	409,116
EVANSVILLE.....	39	5,441,904	1,634,000	1,216,160	1,747,698	28,287	344,496	1,500	21,268	16,267	26,844	36,724	228,265
Operative builders.....	4	176,527	81,000	11,500	61,410	-----	1,680	-----	2,995	810	-----	100	2,890
General contractors.....	19	3,927,922	1,433,000	858,537	1,038,651	12,260	207,296	-----	6,598	11,005	22,657	30,101	124,870
Building.....	14	2,692,961	1,215,000	536,570	603,092	8,100	145,620	-----	4,073	6,752	17,368	64,421	87,368
Other classes ⁶	5	1,234,961	218,000	321,967	435,559	4,160	61,676	-----	1,920	8,251	16,905	12,763	60,456
Subcontractors.....	10	1,337,455	20,000	346,123	647,637	16,027	135,219	1,500	11,680	4,452	4,187	6,523	100,489
Electrical.....	3	337,602	1,000	98,602	137,084	3,000	39,222	-----	6,540	302	913	976	31,759
Heating and plumbing.....	7	583,827	15,000	122,082	340,440	6,796	43,430	1,500	2,880	1,821	2,690	2,381	41,037
Masonry and stonework.....	3	186,727	4,000	47,774	85,961	6,267	33,415	-----	60	323	434	1,236	4,577
Other classes ⁷	3	229,399	-----	77,405	84,152	-----	19,152	-----	2,200	2,000	250	1,930	23,116

See footnotes at end of table.

CONSTRUCTION—INDIANA

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TABLE 8.—EXPENDITURES OF REPORTING ESTABLISHMENTS: 1929—Continued

CLASSIFICATION OF ESTABLISHMENTS	Es-tab-lish-ments re- port- ing	Value of con-struction business reported	PRINCIPAL ITEMS OF EXPENDITURE			OTHER ITEMS OF EXPENDITURE							
			Sub-con-tract work let	Wages paid	Cost of materials	Salaries		Rent for		Interest	Con-tract bond pre-miums	Com-pen-sation and li-ability in-surance pre-miums	All other overhead expenses
						Propri- etors and firm mem- bers	Em-ploy- ees	Equip- ment	Offices, etc.				
FORT WAYNE	03	\$9,700,257	\$1,257,000	\$2,265,477	\$4,130,352	\$148,929	\$342,122	\$5,036	\$35,714	\$37,467	\$59,549	\$64,580	\$691,442
General contractors.....	31	7,042,339	1,206,000	1,551,160	2,834,111	92,665	230,310	3,943	8,754	50,837	57,254	53,010	532,942
Building.....	20	4,111,039	1,135,000	836,170	1,622,854	62,497	100,546	3,215	3,109	0,846	17,938	20,975	62,648
Building not specialized.....	17	3,942,990	1,086,000	814,973	1,555,102	62,497	100,546	3,215	3,109	0,611	17,769	20,522	59,544
Residential building only.....	3	168,049	49,000	21,197	67,692	-----	-----	-----	-----	235	169	453	3,104
Highway ¹	6	2,140,165	24,000	535,257	962,081	25,000	66,090	-----	3,260	33,440	31,838	20,373	239,244
Other classes ²	5	791,135	47,000	179,733	249,170	5,168	63,080	728	2,385	7,542	7,478	5,662	181,050
Subcontractors.....	32	2,657,918	51,000	714,317	1,296,241	56,264	111,806	1,093	26,960	16,630	2,295	11,370	158,500
Concreting ¹⁰	4	202,267	2,000	65,480	76,170	4,135	-----	-----	4,480	969	92	1,614	13,620
Electrical.....	3	216,781	-----	55,813	103,097	-----	16,399	480	2,700	779	688	995	10,800
Heating and plumbing.....	14	1,431,975	37,000	203,009	830,654	32,779	65,259	-----	12,728	8,704	1,430	4,061	54,292
Heating and piping.....	7	878,044	8,000	185,635	526,993	26,913	30,772	-----	0,607	4,060	889	1,949	29,847
Plumbing.....	4	384,560	-----	80,816	222,374	3,786	28,956	-----	2,013	972	200	1,603	12,993
Plumbing and heating combined.....	3	160,381	29,000	26,618	81,287	2,080	5,531	-----	1,108	3,672	341	509	11,452
Roofing and sheet-metal work.....	7	373,131	-----	114,194	169,937	19,350	20,939	-----	3,176	4,447	85	2,694	37,138
Roofing.....	3	164,092	-----	48,455	75,520	8,060	15,447	-----	1,770	1,109	60	1,094	15,695
Sheet-metal work.....	4	208,439	-----	65,739	85,417	11,290	5,492	-----	1,406	3,338	25	1,600	21,443
Other classes ¹¹	4	433,774	12,000	185,761	128,383	-----	9,209	613	3,876	1,731	-----	2,566	42,560
GARY	28	2,708,819	\$21,000	\$89,372	\$45,703	\$8,570	\$150,139	\$4,874	\$22,614	\$47,559	\$13,508	\$14,920	\$289,840
General contractors.....	12	1,066,338	318,000	412,689	696,583	14,504	92,851	34,399	5,296	39,050	13,065	10,053	106,519
Building.....	8	979,594	304,000	288,446	428,240	12,320	60,715	-----	5,296	22,906	411	3,862	77,070
Highway and street paving.....	4	970,774	14,000	204,243	408,343	2,184	32,139	34,399	-----	16,144	12,654	6,191	119,449
Subcontractors.....	16	752,481	3,000	276,683	249,120	24,066	57,288	475	17,318	8,509	443	4,867	93,321
Electrical.....	4	227,164	-----	58,674	-----	-----	33,294	-----	0,966	3,900	87	1,168	23,999
Heating and plumbing.....	3	94,028	-----	25,067	38,279	7,650	17,834	-----	1,770	1,181	-----	316	15,273
Painting, decorating, and glazing.....	3	140,341	1,000	56,542	31,484	11,610	3,440	300	5,620	1,310	-----	1,933	15,592
Other classes ¹²	6	200,658	2,000	113,800	120,683	4,806	2,750	175	2,972	2,108	356	1,450	35,457
INDIANAPOLIS	146	24,426,681	\$8,804,000	\$6,177,928	\$8,280,981	\$129,834	\$1,498,208	\$2,044	\$126,108	\$133,042	\$113,962	\$176,823	\$1,269,843
Operative builders.....	4	335,235	163,000	72,054	77,935	4,200	21,183	100	1,536	4,045	-----	1,443	12,629
General contractors.....	71	15,401,306	5,599,000	3,885,726	4,559,192	43,639	809,658	35,917	44,139	102,729	96,505	103,188	623,280
Building.....	48	11,795,697	5,462,000	2,410,742	3,214,797	32,600	499,562	12,260	30,763	38,585	43,604	73,887	165,269
Building not specialized.....	33	10,178,530	4,473,000	2,237,551	2,932,655	27,700	413,697	11,860	25,831	27,206	43,604	67,622	134,762
Residential building only.....	15	1,617,167	979,000	173,191	282,142	4,800	85,865	400	4,932	11,319	-----	6,265	30,517
Highway.....	4	901,130	27,000	254,483	365,071	3,600	44,010	0,551	3,111	10,212	13,833	7,124	104,987
Bridge and culvert.....	6	712,487	10,000	219,596	183,892	-----	91,516	3,903	2,140	6,162	9,957	10,166	100,179
Street paving.....	10	1,556,559	80,000	351,910	648,556	7,589	95,445	10,203	6,811	42,920	16,731	7,526	178,511
Other classes ³	3	625,433	-----	148,994	146,846	-----	78,226	-----	814	4,850	12,380	4,465	68,334
Subcontractors.....	71	8,599,120	72,000	2,720,149	3,623,854	81,445	667,867	6,027	80,433	26,268	17,457	72,212	633,934
Electrical.....	6	1,049,843	-----	358,196	453,273	1,300	97,070	-----	12,282	1,724	863	5,107	60,810
Heating and plumbing.....	33	3,241,934	50,000	844,170	1,647,898	50,203	194,693	-----	31,637	11,564	12,035	16,905	140,046
Heating and piping ⁴	11	1,875,034	48,000	482,391	927,347	20,000	143,103	-----	21,420	8,304	8,769	9,630	87,443
Plumbing.....	11	502,403	-----	133,870	245,130	11,022	22,990	-----	4,193	1,363	262	2,964	21,216
Plumbing and heating combined.....	11	864,547	2,000	227,909	475,419	18,681	28,595	-----	0,024	1,897	3,064	5,761	31,337
Masonry and concreting.....	6	939,161	1,000	362,446	266,703	-----	93,624	377	0,509	3,918	1,190	15,859	56,708
Painting and decorating.....	9	298,879	-----	174,344	62,618	0,100	-----	-----	3,097	1,297	-----	3,130	14,268
Roofing and sheet-metal work.....	4	1,187,573	11,000	819,375	563,541	12,912	81,008	-----	15,551	3,696	251	8,941	147,658
Roofing.....	5	728,609	1,000	187,719	348,560	5,183	58,268	-----	11,394	2,183	251	4,080	92,098
Sheet-metal work.....	4	458,964	10,000	131,656	214,981	7,729	22,740	-----	4,157	1,513	-----	4,861	55,590
Steel erection ⁴	5	644,438	10,000	264,786	181,038	-----	90,404	5,280	3,597	1,744	1,125	17,244	72,517
Marble and tiling.....	5	1,095,918	-----	309,273	453,785	7,930	84,523	100	6,437	1,578	1,171	3,707	110,245
Excavating.....	3	141,324	-----	87,550	-----	-----	16,105	270	1,323	747	772	1,319	25,662
SOUTH BEND	52	7,561,689	\$51,000	\$2,260,412	\$2,785,273	\$75,846	\$23,079	\$21,769	\$37,998	\$33,844	\$19,991	\$47,852	\$481,019
General contractors.....	11	4,307,937	830,000	1,213,971	1,381,920	9,806	325,884	7,720	6,580	20,798	16,084	29,401	246,179
Building.....	7	3,129,543	569,000	1,030,928	987,379	9,806	251,187	0,481	3,430	14,279	7,489	24,458	137,874
Other classes ⁵	4	1,178,394	261,000	183,045	394,541	-----	74,697	1,239	3,169	6,519	8,595	4,943	108,305
Subcontractors.....	41	3,253,752	21,000	1,046,441	1,403,353	66,041	197,195	14,040	31,490	13,046	3,907	18,451	234,840
Electrical.....	4	227,615	-----	60,562	105,749	7,352	15,480	-----	7,690	433	671	682	15,607
Heating and plumbing.....	18	1,233,893	19,000	290,244	665,524	38,907	62,614	-----	12,005	5,969	1,128	5,241	33,690
Plumbing.....	9	430,355	15,000	93,670	219,100	17,087	27,704	-----	0,190	2,370	595	2,523	31,642
Plumbing and heating combined.....	9	803,433	4,000	196,574	446,424	21,820	34,910	-----	5,815	3,589	533	2,718	52,048
Painting and decorating.....	4	247,989	-----	129,361	67,950	1,722	13,069	-----	2,057	504	575	1,870	14,314
Plastering, marble, and tiling.....	4	524,701	-----	267,382	165,454	14,000	12,832	-----	2,774	1,985	725	3,001	26,637
Roofing and sheet-metal work.....	8	655,078	2,000	175,240	281,930	4,060	62,415	-----	0,055	1,631	140	6,379	63,718
Roofing.....	5	398,360	2,000	113,903	165,202	-----	41,515	-----	0,055	1,631	140	3,014	37,887
Sheet-metal work.....	3	256,718	-----	116,728	-----	4,060	20,900	-----	-----	-----	-----	2,665	25,831
Other classes ⁶	3	364,501	-----	123,652	116,746	-----	30,845	14,049	238	2,534	668	1,738	30,874

1 Includes grading; waterworks; railroad; and central station, light and power plant.
 2 Includes glass and glazing.
 3 Includes automatic temperature control.
 4 Includes elevator construction.
 5 Includes grading; sewer, gas, water, conduit; and rental of equipment, trucking, etc.
 6 Includes highway; bridge and culvert; and street paving.
 7 Includes concreting; and sheet-metal work.
 8 Includes grading; and street paving.
 9 Includes sewer, gas, water, conduit; dredging, river, harbor, etc.; and railroad.
 10 Includes masonry; and stonework.
 11 Includes painting and decorating; plastering and lathing; and marble and tiling.
 12 Includes carpentering and wood flooring; concreting; sheet metal work; marble and tiling; and excavating.
 13 Includes street paving; sewer, gas, water, conduit; and water works.
 14 Includes concreting; grading; and sewer, gas, water, conduit.

TABLE 9.—COST OF MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, BY KIND

KIND OF MATERIAL	COST OF MATERIALS REPORTED BY—				KIND OF MATERIAL	COST OF MATERIALS REPORTED BY—					
	All classes of establishments			General contractors ²		Subcontractors	All classes of establishments			General contractors ²	Subcontractors
	Amount	Per cent distribution	Per \$1,000 construction work done ¹				Amount	Per cent distribution	Per \$1,000 construction work done ¹		
INDIANA					EVANSVILLE—Continued						
All kinds of material.....	\$40,614,155	.....	\$468.12	\$25,439,035	\$15,175,120	Distribution by kind—Continued.				
Distribution not reported.....	10,710,898	26.4	.....	7,215,291	3,495,605	Cast iron, miscellaneous, excluding pipe.....				
Distributed by kind.....	29,903,259	100.0	.....	18,223,744	11,679,515	Metal doors, windows, and trim.....				
Sand, gravel, stone, slag, cinders, etc.....	4,540,901	15.2	71.09	4,290,754	250,207	Metal and wire lath and furring.....					
Brick (face, common, fire, paving, etc.).....	1,420,085	4.8	22.24	1,123,616	297,069	Ornamental metal work.....					
Tile (fireproofing).....	382,487	1.3	5.99	199,613	182,874	Lumber, rough and finished.....					
Tile, facing, terra cotta, floor, and wall.....	339,739	1.1	5.32	210,333	129,456	Lath, shingles, and shakes (wood).....					
Concrete and cinder block.....	103,290	.3	1.02	94,342	8,448	Millwork.....					
Cut stone, granite and marble.....	043,842	2.2	10.08	516,957	126,885	Composition board.....					
Riprap, rubble, etc.....	23,227	.1	.37	21,827	1,400	Waterproofing materials.....					
Cement.....	3,370,133	11.3	52.76	3,225,360	144,773	Hardware, rough and finished.....					
Lime.....	143,658	.5	2.25	123,595	20,063	Paints, varnishes, glass.....					
Plaster, etc.....	179,138	.6	2.80	151,154	27,084	Roofing and sheet metal.....					
Structural steel.....	991,031	3.3	15.51	856,647	134,384	Screens, shades, awnings, etc.....					
Reinforcing steel.....	981,011	3.3	15.36	980,090	921	Heating and ventilating equipment.....					
Cast iron, miscellaneous, excluding pipe.....	45,854	.2	.72	44,869	985	Plumbing and gas fitting equipment.....					
Metal doors, windows, and trim.....	209,798	.7	3.29	200,798	.....	Electrical appliances and supplies.....				
Metal and wire lath and furring.....	106,667	.4	1.72	98,038	11,629	Elevators, dumb-waiters, and ment.....					
Ornamental metal work.....	80,280	.3	1.25	79,375	905	Pipe: Drain tile, vitrified, concrete, segment tile, corrugated.....					
Lumber, rough and finished.....	1,902,511	6.4	29.78	1,817,867	84,644	Pipe: Cast-iron, sheet and tube steel, etc.....					
Lath, shingles, and shakes (wood).....	154,200	.5	2.42	132,647	21,553	Wire cable, guards, and fencing.....					
Millwork.....	945,365	3.2	14.80	923,019	17,340	Bituminous paving materials, tar, asphalt, and oil.....					
Composition board.....	157,882	.5	2.47	102,195	55,687	Wood piling and timber.....					
Waterproofing materials.....	25,242	.1	.39	21,307	3,845	Ready mixed concrete.....					
Hardware, rough and finished.....	297,651	1.0	4.66	293,186	4,465	Machinery.....					
Paints, varnishes, glass.....	561,184	1.8	8.63	194,993	356,191	Freight, hauling or trucking to job.....					
Roofing and sheet metal.....	1,439,634	4.8	22.54	205,391	1,234,243	Chemicals and chemical products.....					
Finished flooring (other than cement, wood, or tile).....	138,838	.5	2.17	103,004	35,744	Metal products, n. e. s. (including metal furniture).....					
Screens, shades, awnings, etc.....	20,835	.1	.33	19,335	1,500	Mineral products (nonmetallic), n. e. s.....					
Heating and ventilating equipment.....	1,820,737	6.1	28.60	134,766	1,091,971	Sealing materials.....					
Plumbing and gas fitting equipment.....	2,227,764	7.4	34.87	160,061	2,067,693	Textiles and calking materials.....					
Electrical appliances and supplies.....	1,061,407	5.6	26.01	90,881	1,570,526	Miscellaneous.....					
Elevators, dumb-waiters, and ment.....	80,545	.3	1.26	25,491	55,054						
Pipe: Drain tile, vitrified, concrete, segment tile, corrugated.....	532,573	1.8	8.34	463,085	60,488						
Pipe: Cast-iron, sheet and tube steel, etc.....	1,318,375	4.4	20.64	258,470	1,059,905						
Wire cable, guards, and fencing.....	16,744	.1	.26	16,744	.....					
Bituminous paving materials, tar, asphalt, and oil.....	920,250	2.1	9.80	602,164	24,092						
Wood piling and timber.....	0,325	(*)	.15	9,328	.....					
Ready mixed concrete.....	1,200	(*)	.02	1,200	.....					
Machinery.....	4,800	(*)	.07	4,800	.....					
Freight, hauling or trucking to job.....	92,275	.3	1.45	90,588	1,687						
Chemicals and chemical products.....	2,081	(*)	.04	2,081	.....					
Metal products, n. e. s. (including metal furniture).....	1,984,083	6.6	31.06	33,887	1,950,196						
Mineral products (nonmetallic), n. e. s.....	11,857	(*)	.19	7,740	4,117						
Sealing materials.....	772	(*)	.01	622	150						
Textiles and calking materials.....	1,559	(*)	.02	1,559	.....					
Miscellaneous.....	300,121	1.0	4.79	274,686	31,435						
EVANSVILLE					FORT WAYNE						
All kinds of material.....	1,877,220	.....	428.30	1,185,280	691,946	All kinds of material.....				
Distribution not reported.....	755,503	40.2	.....	690,702	94,801	Distribution not reported.....				
Distributed by kind.....	1,121,723	100.0	.....	524,578	597,145	Distributed by kind.....				
Sand, gravel, stone, slag, cinders, etc.....	80,005	7.7	32.84	77,128	8,877	Sand, gravel, stone, slag, cinders, etc.....					
Brick (face, common, fire, paving, etc.).....	57,032	5.1	21.77	41,232	15,800	Brick (face, common, fire, paving, etc.).....					
Tile (fireproofing).....	60	(*)	.02	60	.....	Tile (fireproofing).....				
Tile, facing, terra cotta, floor, and wall.....	9,902	.9	3.78	9,902	.....	Tile, facing, terra cotta, floor, and wall.....				
Concrete and cinder block.....	2,000	.3	1.11	2,000	.....	Concrete and cinder block.....				
Cut stone, granite and marble.....	6,822	.6	2.60	6,822	.....	Cut stone, granite and marble.....				
Cement.....	79,164	7.1	30.23	69,018	13,146	Cement.....					
Lime.....	5,468	.5	2.09	4,568	900	Lime.....					
Plaster, etc.....	1,240	.1	.47	1,240	.....	Plaster, etc.....				
Structural steel.....	46,284	4.1	17.07	46,284	.....	Structural steel.....				
Reinforcing steel.....	5,833	.6	2.23	5,833	.....	Reinforcing steel.....				
					Distribution by kind—Continued.						
					Cast iron, miscellaneous, excluding pipe.....						
					Metal doors, windows, and trim.....						
					Metal and wire lath and furring.....						
					Ornamental metal work.....						
					Lumber, rough and finished.....						
					Lath, shingles, and shakes (wood).....						
					Millwork.....						
					Composition board.....						
					Waterproofing materials.....						
					Hardware, rough and finished.....						
					Paints, varnishes, glass.....						
					Roofing and sheet metal.....						
					Screens, shades, awnings, etc.....						
					Heating and ventilating equipment.....						
					Plumbing and gas fitting equipment.....						
					Electrical appliances and supplies.....						
					Elevators, dumb-waiters, and ment.....						
					Pipe: Drain tile, vitrified, concrete, segment tile, corrugated.....						
					Pipe: Cast-iron, sheet and tube steel, etc.....						
					Wire cable, guards, and fencing.....						
					Bituminous paving materials, tar, asphalt, and oil.....						
					Wood piling and timber.....						
					Freight, hauling or trucking to job.....						
					Miscellaneous, n. e. s.....						

See footnotes at end of table.

TABLE 9.—COST OF MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929 BY KIND—Continued

KIND OF MATERIAL	COST OF MATERIALS REPORTED BY—				KIND OF MATERIAL	COST OF MATERIALS REPORTED BY—					
	All classes of establishments			General contractors ²		Subcontractors	All classes of establishments			General contractors ²	Subcontractors
	Amount	Per cent distribution	Per \$1,000 construction work done ¹				Amount	Per cent distribution	Per \$1,000 construction work done ¹		
GARY					INDIANAPOLIS—Continued						
All kinds of material.....	\$1,037,124		\$301.06	\$775,704	\$261,420	Distributed by kind—Continued.					
Distribution not reported.....	46,853	4.5		21,450	25,397	Screens, shades, awnings, etc.	\$7,605	0.1	\$0.46	\$7,605	
Distributed by kind.....	990,271	100.0		754,248	230,023	Heating and ventilating equipment.....	684,178	8.0	41.02	14,059	\$670,114
Sand, gravel, stone, slag, cinders, etc.	202,085	20.5	80.28	196,323	6,662	Plumbing and gas fitting equipment.....	548,453	7.4	32.88	22,445	520,008
Brick (face, common, fire, paving, etc.).....	29,607	3.0	11.71	29,607		Electrical appliances and supplies.....	516,073	6.0	30.04	20,050	496,023
Tile (fireproofing).....	2,459	.2	.97	2,459		Elevators, dumb-waiters, and equipment.....	67,554	.8	3.45	2,500	65,054
Tile, facing, terra cotta, floor, wall.....	26,713	2.7	10.57	6,349	20,364	Pipe: Drain tile, vitrified, concrete, segment tile, corrugated.....	130,585	1.9	8.37	128,273	11,312
Concrete and cinder block.....	3,224	.3	1.28	3,224		Pipe: Cast-iron, sheet and tube steel, etc.....	39,842	.5	2.39	16,896	22,946
Cut stone, granite and marble.....	6,232	.6	2.40	6,232		Wire cable, guards, and fencing.....	4,440	.1	.27	4,440	
Cement.....	200,419	20.3	103.00	254,040	5,479	Bituminous paving materials, tar, asphalt, and oil.....	324,215	4.3	19.44	324,215	
Lime.....	3,592	.4	1.42	1,027	2,565	Freight, hauling or trucking to job.....	6,269	.1	.38	4,582	1,687
Plaster, etc.....	130	(*)	.05	130		Chemicals and chemical products.....	400	(*)	.02	400	
Structural steel.....	1,671	.2	.66	1,671		Metal products, n. e. s. (including metal furniture).....	10,237	.1	.61	146	10,091
Reinforcing steel.....	55,255	5.0	21.85	55,255		Mineral products (nonmetallic), n. e. s.....	4,117	.1	.25		4,117
Cast iron, miscellaneous, excluding pipe.....	2,280	.2	.90	2,280		Textiles and calking materials.....	1,458	(*)	.09	1,458	
Metal doors, windows, and trim.....	1,014	.1	.40	1,014		Miscellaneous.....	85,031	1.1	5.10	71,827	13,204
Ornamental metal work.....	160	(*)	.06	160		SOUTH BEND					
Lumber, rough and finished.....	36,174	3.7	14.31	24,692	11,482	All kinds of material.....	3,681,828		410.01	2,212,658	1,469,170
Lath, shingles, and shakes (wood).....	104,230	10.5	41.22	104,230		Distribution not reported.....	853,780	23.2		221,550	632,180
Millwork.....	28,156	2.8	11.13	23,040	5,116	Distributed by kind.....	2,828,008	100.0		1,991,108	836,900
Composition board.....	1,335	.1	.53	1,335		Sand, gravel, stone, slag, cinders, etc.....	285,038	10.1	42.23	271,818	13,220
Waterproofing materials.....	1,020	.1	.40	1,020		Brick (face, common, fire, paving, etc.).....	280,670	8.2	34.17	227,670	53,000
Hardware, rough and finished.....	7,943	.8	3.14	4,913	3,030	Tile (fireproofing).....	32,402	1.1	4.81	32,402	
Paints, varnishes, glass.....	31,192	3.1	12.34	31,192		Tile, facing, terra cotta, floor, and wall.....	67,589	2.4	10.01	39,510	28,079
Roofing and sheet metal.....	37,815	3.8	14.90	37,815		Concrete and cinder block.....	9,089	.3	1.35	9,089	
Screens, shades, awnings, etc.....	289	.03	.11	289		Cut stone, granite and marble.....	100,796	3.6	14.92	68,372	32,424
Heating and ventilating equipment.....	24,371	2.5	9.64		24,371	Cement.....	330,400	11.7	48.85	261,227	69,173
Plumbing and gas fitting equipment.....	29,336	3.0	11.60	63	29,273	Lime.....	15,893	.5	2.05	13,700	154
Electrical appliances and supplies.....	58,674	5.9	23.21		58,674	Plaster, etc.....	21,540	.8	3.19	3,800	17,740
Pipe: Drain, vitrified, concrete, segment tile, corrugated.....	1,182	.1	.47	1,182		Structural steel.....	191,151	6.8	28.32	191,151	
Freight, hauling or trucking to job.....	20,245	3.0	11.57	20,245		Reinforcing steel.....	133,763	4.0	20.56	138,753	
Metal products, n. e. s. (including metal furniture).....	1,260	.1	.50	1,260		Cast iron, miscellaneous, excluding pipe.....	7,801	.3	1.16	7,801	
Miscellaneous.....	2,308	.2	.91	2,308		Metal doors, windows, and trim.....	33,600	1.2	4.98	33,600	
INDIANAPOLIS					INDIANAPOLIS						
All kinds of material.....	9,416,023		447.00	5,702,504	3,713,420	Metal and wire lath and furring.....	5,183	.2	.77	661	4,522
Distribution not reported.....	1,958,993	20.8		1,063,400	895,593	Ornamental metal work.....	7,600	.3	1.13	7,600	
Distributed by kind.....	7,457,030	100.0		4,639,104	2,817,926	Lumber, rough and finished.....	102,156	5.7	24.03	162,150	
Sand, gravel, stone, slag, cinders, etc.	1,028,593	13.8	61.66	1,014,300	14,293	Lath, shingles, and shakes (wood).....	18,145	.6	2.69		18,145
Brick (face, common, fire, paving, etc.).....	359,375	4.8	21.54	246,300	113,015	Millwork.....	234,292	8.3	34.71	234,292	
Tile (fireproofing).....	109,153	1.5	6.54	85,337	23,816	Composition board.....	74,007	2.6	10.97	47,600	26,407
Tile, facing, terra cotta, floor, and wall.....	129,946	1.7	7.79	76,097	53,849	Waterproofing materials.....	6,595	.2	.98	3,800	2,795
Concrete and cinder block.....	54,930	.7	3.29	40,482	8,448	Hardware, rough and finished.....	42,800	1.5	6.34	42,800	
Cut stone, granite and marble.....	237,230	3.2	14.22	226,245	10,985	Paints, varnishes, glass.....	88,637	3.1	13.13	3,032	85,605
Riprap, rubble, etc.....	10,352	.1	.62	8,952	1,400	Roofing and sheet metal.....	225,837	8.0	33.46	6,663	219,174
Cement.....	790,643	10.6	47.40	763,675	26,968	Finished flooring (other than cement, wood, or tile).....	7,740	.3	1.15	3,549	4,200
Lime.....	51,969	.7	3.12	41,690	10,279	Heating and ventilating equipment.....	62,113	2.2	9.20		62,113
Plaster, etc.....	54,487	.7	3.27	54,487		Plumbing and gas fitting equipment.....	140,161	5.3	22.10		140,161
Structural steel.....	277,030	3.7	16.61	142,646	134,384	Electrical appliances and supplies.....	70,749	2.5	10.48		70,749
Reinforcing steel.....	250,030	3.4	14.99	249,530	500	Elevators, dumb-waiters, and equipment.....	500	(*)	.08	500	
Cast iron, miscellaneous, excluding pipe.....	10,567	.1	.63	10,567		Pipe: Drain tile, vitrified, concrete, segment tile, corrugated.....	54,280	1.9	8.04	31,861	22,429
Metal doors, windows, and trim.....	68,507	.9	4.11	68,507		Pipe: Cast-iron, sheet and tube steel, etc.....	47,472	1.7	7.04	40,000	7,472
Metal and wire lath and furring.....	49,848	.7	2.99	48,927	921	Bituminous paving materials, tar, asphalt, and oil.....	64,968	2.3	9.62	64,968	
Ornamental metal work.....	18,560	.2	1.11	18,560		Machinery.....	4,800	.2	.71	4,800	
Lumber, rough and finished.....	446,147	6.0	20.75	442,647	3,500	Mineral products (nonmetallic), n. e. s.....	4,000	.1	.59	4,000	
Lath, shingles, and shakes (wood).....	4,038	.1	.24	4,038		Miscellaneous.....	34,298	1.2	5.08	33,870	428
Millwork.....	182,273	2.4	10.93	182,273							
Composition board.....	28,009	.4	1.68	4,119	18,890						
Waterproofing materials.....	4,079	.1	.25	4,079							
Hardware, rough and finished.....	88,894	1.2	5.33	88,815	379						
Paints, varnishes, glass.....	143,154	1.9	8.58	82,474	60,680						
Roofing and sheet metal.....	573,599	7.7	34.39	53,846	519,753						
Finished flooring (other than cement, wood, or tile).....	56,255	.8	3.37	50,255	6,000						

¹ The value of construction work done is obtained from figures presented in Table 1, by subtracting the value of subcontract work let from the total value of construction business.
² Includes operative builders.
³ The percentage of total cost shown for this item is high because establishments located within this area reported that the large part of their construction work (on which this material was used) was done on contracts outside this area.
⁴ Less than one-tenth of 1 per cent.
⁵ The percentage of total cost shown for this item is high because the business of establishments reporting this material constituted a large part of the total business reported for this area.
⁶ This item is exceptionally high because of extensive electrical work done on an airport.
⁷ Less than 1 cent.

CONSTRUCTION—INDIANA

TABLE 10.—COMPARISON OF COST OF DESIGNATED MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, WITH COST OF MATERIALS AND VALUE OF CONSTRUCTION BUSINESS

[Based exclusively upon reports of establishments which gave the distributed cost of materials]

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	Cost of all materials distributed by kind	COST OF DESIGNATED MATERIAL			Value of construction business	Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	Cost of all materials distributed by kind	COST OF DESIGNATED MATERIAL			Value of construction business	Indicated per cent of all business done by own force ¹
		Amount	Per cent of—						Amount	Per cent of—			
			Total cost	Cost of all distributed materials						Total cost	Cost of all distributed materials		
INDIANA						INDIANA—Continued							
<i>Sand, gravel, stone, slag, cinders, etc.²</i>						Cement—Continued							
All classes.....	\$29,903,259	\$4,540,961	100.0	15.2	\$75,046,627	82.9	General contractors—Contd.						
General contractors ³	18,223,744	4,290,754	94.5	23.5	51,199,482	77.3	Highway.....	\$4,515,710	\$1,075,602	31.9	23.8	\$11,193,570	92.7
Building.....	10,076,524	817,044	18.0	8.1	29,805,051	67.0	Bridge and culvert.....	531,991	98,375	2.9	18.5	1,540,014	94.0
Building not specialized ⁴	9,307,026	792,822	17.5	8.0	27,853,755	68.0	Street paving.....	2,210,722	883,193	26.2	39.8	5,872,080	90.4
Commercial building only.....	77,633	5,436	.1	7.6	190,980	67.1	Sewer, gas, water, conduit.....	682,556	67,189	2.0	9.8	1,058,152	98.5
Manufacturing building only.....	152,054	7,472	.2	4.9	331,271	95.0	Waterworks.....	93,630	11,846	4.0	12.7	250,614	93.6
Residential building only.....	539,211	12,215	.3	2.3	1,429,045	55.1	Railroad.....	42,734	6,479	2.2	15.2	193,521	93.4
Highway.....	4,515,710	2,460,207	54.3	54.6	11,193,570	92.7	Subcontractors.....	\$11,679,515	144,773	4.3	1.2	\$23,847,145	95.4
Bridge and culvert.....	531,991	79,372	1.7	14.9	1,549,014	94.0	Concrete.....	83,390	44,451	1.3	53.3	238,690	100.0
Street paving.....	2,210,722	831,878	18.3	37.5	5,872,080	90.4	Heating and plumbing.....	\$3,673,633	180	(*)	(*)	\$0,872,957	98.3
Sewer, gas, water, conduit.....	682,556	69,065	1.6	10.3	1,958,152	95.5	Heating and piping.....	2,108,486	105	(*)	(*)	3,850,732	98.2
Waterworks.....	93,630	15,005	.3	16.0	250,614	93.0	Plumbing and heating combined.....	362,282	75	(*)	(*)	604,034	98.8
Dredging, river, harbor, etc.....	68,877	585	(*)	.9	376,874	91.3	Masonry.....	254,199	16,109	(*)	6.4	765,899	99.3
Railroad.....	42,734	9,798	2.2	22.9	193,521	93.4	Marble and tiling.....	200,012	23,022	(*)	7.8	930,841	99.3
Subcontractors.....	\$11,679,515	250,207	5.5	2.1	\$23,847,145	95.4	Excavating.....	6,140	140	(*)	2.3	42,008	100.0
Concrete.....	83,390	31,544	37.8	(*)	238,690	100.0	Grading.....	64,630	57,500	1.7	89.0	271,120	100.0
Heating and plumbing.....	\$3,673,633	150	(*)	(*)	\$0,872,957	98.3	Sewer, gas, water, conduit.....	71,166	3,311	.1	4.7	209,219	100.0
Heating and piping.....	2,108,486	105	(*)	(*)	3,850,732	98.2	Metal work, n. e. s.....	3,800,000	114,000	2.5	3.0	6,100,000	80.3
Plumbing and heating combined.....	362,282	150	(*)	(*)	604,034	98.8	Brick (face, common, fire, paving, etc.)						
Masonry.....	254,199	11,422	.3	4.5	765,899	99.3	All classes.....	29,903,259	1,420,685	100.0	4.8	75,046,627	82.9
Painting and decorating.....	303,709	342	(*)	.1	1,219,723	100.0	General contractors ³	\$18,223,744	856,647	86.4	4.7	\$51,199,482	77.3
Plastering and lathing.....	59,372	9,735	2.2	10.4	221,237	99.0	Building.....	10,076,524	718,400	72.5	7.1	29,805,051	67.0
Roofing and sheet-metal work.....	\$1,364,631	1,719	(*)	.2	\$3,071,085	99.6	Building not specialized ⁴	9,307,026	703,082	70.9	7.6	27,853,755	68.0
Roofing.....	770,668	1,719	(*)	.2	1,737,405	99.8	Commercial building only.....	77,633	7,417	.7	9.6	190,980	67.1
Marble and tiling.....	200,912	70,255	1.5	26.9	936,841	99.3	Manufacturing building only.....	152,054	6,554	.7	4.3	331,271	95.0
Excavating.....	6,140	3,000	.1	48.9	42,008	99.4	Residential building only.....	539,211	1,347	.1	2.1	1,429,045	55.1
Grading.....	64,630	7,130	(*)	11.0	271,120	100.0	Highway.....	4,515,710	32,248	3.3	.7	11,193,570	92.7
Sewer, gas, water, conduit.....	71,166	910	(*)	1.3	209,219	100.0	Bridge and culvert.....	531,991	102,504	10.3	19.3	1,549,014	94.0
Metal work, n. e. s.....	3,800,000	114,000	2.5	3.0	6,100,000	80.3	Street paving.....	2,210,722	1,200	(*)	(*)	5,872,080	90.4
Brick (face, common, fire, paving, etc.)							Sewer, gas, water, conduit.....	682,556	2,000	(*)	2.3	1,058,152	98.5
All classes.....	29,903,259	1,420,685	100.0	4.8	75,046,627	82.9	Waterworks.....	93,630	295	(*)	.3	250,614	93.6
General contractors ³	\$18,223,744	1,123,619	79.1	0.2	\$51,199,482	77.3	Subcontractors.....	\$11,679,515	134,384	13.0	1.2	\$23,847,145	95.4
Building.....	10,076,524	1,073,746	75.6	10.7	29,805,051	67.0	Masonry.....	254,199	4,400	.4	1.7	765,899	99.3
Building not specialized ⁴	9,307,026	1,020,310	71.8	11.0	27,853,755	68.0	Roofing and sheet-metal work.....	\$1,364,631	4,000	.4	.3	\$3,071,085	99.6
Commercial building only.....	77,633	8,962	.6	11.5	190,980	67.1	Sheet-metal work.....	497,895	4,000	.4	8.1	1,121,761	99.3
Manufacturing building only.....	152,054	10,245	.7	6.7	331,271	95.0	Steel erection.....	125,984	125,984	12.7	100.0	288,765	99.9
Residential building only.....	539,211	34,229	2.4	0.3	1,429,045	55.1	Reinforcing steel						
Highway.....	4,515,710	13,000	.9	.3	11,193,570	92.7	All classes.....	20,003,259	981,011	100.0	3.3	75,046,627	82.9
Bridge and culvert.....	531,991	2,559	.2	.5	1,549,014	94.6	General contractors ³	\$18,223,744	980,000	99.9	5.4	\$51,199,482	77.3
Street paving.....	2,210,722	18,328	1.3	.8	5,872,080	90.4	Building.....	10,076,524	462,534	47.1	4.6	29,805,051	67.0
Sewer, gas, water, conduit.....	682,556	11,936	.8	1.7	1,958,152	98.5	Building not specialized ⁴	9,307,026	460,600	47.0	4.9	27,853,755	68.0
Waterworks.....	93,630	15,005	.3	9.5	250,614	93.4	Commercial building only.....	77,633	892	1.1	1.1	190,980	67.1
Dredging, river, harbor, etc.....	68,877	585	(*)	.9	376,874	91.3	Manufacturing building only.....	152,054	872	.1	.6	331,271	95.0
Railroad.....	42,734	4,047	.3	9.5	193,521	93.4	Residential building only.....	539,211	170	(*)	(*)	1,429,045	55.1
Subcontractors.....	\$11,679,515	207,069	20.9	2.5	\$23,847,145	95.4	Highway.....	4,515,710	392,450	40.0	8.7	11,193,570	92.7
Masonry.....	254,199	142,069	10.0	55.9	765,899	99.3	Bridge and culvert.....	531,991	60,580	2.2	11.4	1,549,014	94.0
Sewer, gas, water, conduit.....	71,166	3,000	.2	4.2	209,219	100.0	Street paving.....	2,210,722	60,368	5.1	2.3	5,872,080	90.4
Metal work, n. e. s.....	3,800,000	152,000	10.7	4.0	6,100,000	80.3	Sewer, gas, water, conduit.....	682,556	7,563	.8	1.1	1,058,152	98.5
Cut stone, granite and marble							Waterworks.....	93,630	100	(*)	.1	250,614	93.6
All classes.....	29,903,259	643,842	100.0	2.2	75,046,627	82.9	Railroad.....	42,734	0,495	.7	15.2	193,521	93.4
General contractors ³	\$18,223,744	516,957	80.3	2.8	\$51,199,482	77.3	Subcontractors.....	\$11,679,515	921	.1	(*)	\$23,847,145	95.4
Building.....	10,076,524	487,756	75.8	4.8	29,805,051	67.0	Concrete.....	83,390	421	(*)	.5	238,690	100.0
Building not specialized ⁴	9,307,026	470,812	74.5	5.2	27,853,755	68.0	Masonry.....	254,199	500	.1	.2	765,899	99.3
Commercial building only.....	77,633	6,214	1.0	8.0	190,980	67.1	Lumber, rough and finished						
Manufacturing building only.....	152,054	10,245	.7	6.7	331,271	95.0	All classes.....	20,003,259	1,902,511	100.0	6.4	75,046,627	82.9
Residential building only.....	539,211	1,730	.3	.4	1,429,045	55.1	General contractors ³	\$18,223,744	1,817,807	95.0	10.0	\$51,199,482	77.3
Bridge and culvert.....	531,991	2,035	.3	.4	1,549,014	94.6	Building.....	10,076,524	1,707,555	89.8	16.9	29,805,051	67.0
Street paving.....	2,210,722	26,082	4.0	1.2	5,872,080	90.4	Building not specialized ⁴	9,307,026	1,411,618	74.2	15.2	27,853,755	68.0
Sewer, gas, water, conduit.....	682,556	11,936	.8	1.7	1,958,152	98.5	Commercial building only.....	77,633	22,649	1.2	29.2	190,980	67.1
Waterworks.....	93,630	15,005	.3	9.5	250,614	93.4	Manufacturing building only.....	152,054	13,351	.7	8.7	331,271	95.0
Dredging, river, harbor, etc.....	68,877	585	(*)	.9	376,874	91.3	Residential building only.....	539,211	259,937	13.7	48.2	1,429,045	55.1
Railroad.....	42,734	4,047	.3	9.5	193,521	93.4	Highway.....	4,515,710	23,365	2.8	.5	11,193,570	92.7
Subcontractors.....	\$11,679,515	126,885	19.7	1.1	\$23,847,145	95.4	Bridge and culvert.....	531,991	52,564	2.8	9.9	1,549,014	94.0
Masonry.....	254,199	3,613	.6	1.4	765,899	99.3	Street paving.....	2,210,722	5,109	.3	.2	5,872,080	90.4
Roofing and sheet-metal work.....	\$1,364,631	908	.1	.1	\$3,071,085	99.6	Sewer, gas, water, conduit.....	682,556	20,132	1.1	2.9	1,058,152	98.5
Roofing.....	770,668	908	.1	.1	1,737,405	99.8	Waterworks.....	93,630	1,230	.1	1.3	250,614	93.6
Marble and tiling.....	200,912	105,256	16.3	100.0	288,858	100.0	Dredging, river, harbor, etc.....	68,877	270	(*)	.4	376,874	91.3
Stone work.....	105,256	17,109	2.7	6.0	936,841	99.3	Railroad.....	42,734	7,702	.4	18.0	193,521	93.4
Cement ¹							General contractors ³	\$18,223,744	3,225,860	95.7	17.7	\$51,199,482	77.3
All classes.....	29,903,259	3,370,133	100.0	11.3	75,046,627	82.9	Building.....	10,076,524	1,082,676	32.1	10.7	29,805,051	67.0
General contractors ³	\$18,223,744	3,225,860	95.7	17.7	\$51,199,482	77.3	Building not specialized ⁴	9,307,026	964,497	28.6	10.4	27,853,755	68.0
Building.....	10,076,524	1,082,676	32.1	10.7	29,805,051	67.0	Commercial building only.....	77,633	5,516	.2	7.1	190,980	67.1
Building not specialized ⁴	9,307,026	964,497	28.6	10.4	27,853,755	68.0	Manufacturing building only.....	152,054	99,054	2.9	64.9	331,271	95.0

TABLE 10.—COMPARISON OF COST OF DESIGNATED MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, WITH COST OF MATERIALS AND VALUE OF CONSTRUCTION BUSINESS—Con.

[Based exclusively upon reports of establishments which gave the distributed cost of materials]

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	Cost of all materials distributed by kind	COST OF DESIGNATED MATERIAL			Value of construction business	Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	Cost of all materials distributed by kind	COST OF DESIGNATED MATERIAL			Value of construction business	Indicated per cent of all business done by own force ¹
		Amount	Per cent of—						Amount	Per cent of—			
			Total cost	Cost of all distributed materials						Total cost	Cost of all distributed materials		
INDIANA—Continued						INDIANA—Continued							
<i>Lumber, rough and finished—Continued</i>						<i>Heating and ventilating equipment</i>							
Subcontractors.....	\$11,079,515	\$84,644	4.4	0.7	\$23,847,145	95.4	All classes.....	\$20,003,259	\$1,826,737	100.0	6.1	\$75,046,627	82.9
Carpentering and wood flooring.....	115,582	80,136	4.2	69.3	167,612	98.8	General contractors ²	18,223,744	134,766	7.4	.7	51,199,482	77.3
Concreting.....	83,300	353	(*)	.4	238,696	100.0	Building.....	10,076,524	134,766	7.4	1.3	29,805,051	67.0
Heating and plumbing.....	3,673,633	100	(*)	(*)	6,872,957	98.3	Building not specialized ³	9,307,026	122,363	6.7	1.3	27,853,755	68.0
Plumbing and heating combined.....	362,282	100	(*)	(*)	664,934	98.8	Commercial building only.....	77,633	2,268	1.1	2.9	190,980	67.1
Masonry.....	254,199	2,500	1.0	1.0	765,899	99.3	Residential building only.....	539,211	10,135	6.1	1.9	1,429,045	55.1
Painting and decorating.....	303,709	250	(*)	.1	1,219,723	100.0	Subcontractors.....	11,079,515	1,691,971	92.6	14.5	23,847,145	95.4
Roofing and sheet-metal work.....	1,364,631	1,305	.1	.1	3,071,985	99.6	Heating and plumbing.....	3,673,633	1,638,105	89.7	44.6	6,872,957	98.3
Roofing.....	770,668	305	(*)	.1	1,737,465	99.8	Heating and piping.....	2,108,480	1,244,372	68.1	59.0	3,856,732	98.2
Sheet-metal work.....	497,365	1,000	.1	.2	1,121,751	99.3	Plumbing.....	1,202,865	220,132	12.1	18.3	2,351,291	98.0
<i>Millwork</i>						<i>Plumbing and heating combined</i>							
All classes.....	20,003,259	945,365	100.0	3.2	75,046,627	82.9	Roofing and sheet-metal work.....	362,282	173,601	9.5	47.9	664,934	98.8
General contractors ²	18,223,744	928,019	98.2	5.1	51,199,482	77.3	Roofing.....	1,364,631	53,866	2.9	3.9	3,071,985	99.6
Building.....	10,076,524	925,715	97.9	9.2	29,805,051	67.0	Roofing.....	770,668	12,427	.7	1.6	1,737,465	99.8
Building not specialized ³	9,307,026	861,614	91.1	9.3	27,853,755	68.0	Sheet-metal work.....	497,365	39,481	2.2	7.9	1,121,751	99.3
Commercial building only.....	77,633	4,875	.5	6.3	190,980	67.1	Roofing and sheet metal combined.....	96,598	1,958	.1	2.0	212,769	100.0
Manufacturing building only.....	162,654	1,400	.1	.9	331,271	95.0	<i>Plumbing and gas fitting equipment²</i>						
Residential building only.....	539,211	57,826	6.1	10.7	1,429,045	55.1	All classes.....	20,003,259	2,227,754	100.0	7.4	75,046,627	82.9
Highway.....	4,515,710	408	(*)	.3	11,193,570	92.7	General contractors ²	18,223,744	160,061	7.2	.9	51,199,482	77.3
Bridge and culvert.....	531,991	1,700	.2	.3	1,549,014	94.6	Building.....	10,076,524	143,880	6.5	1.4	29,805,051	67.0
Waterworks.....	93,630	196	(*)	.2	250,614	93.6	Building not specialized ³	9,307,026	125,270	5.6	1.3	27,853,755	68.0
Subcontractors.....	11,079,515	17,346	1.8	.1	23,847,145	95.4	Commercial building only.....	77,633	728	(*)	.9	190,980	67.1
Carpentering and wood flooring.....	115,582	5,116	.5	4.4	167,612	98.8	Residential building only.....	539,211	17,882	.8	3.3	1,429,045	55.1
Flooring, n. e. s.....	34,474	12,230	1.3	35.5	66,673	100.0	Bridge and culvert.....	531,991	2,859	.1	.5	1,549,014	94.6
<i>Paints, varnishes, glass</i>						<i>Street paving</i>							
All classes.....	20,003,259	551,184	100.0	1.8	75,046,627	82.9	Sewer, gas, water, conduit.....	2,216,722	4,703	.2	.2	5,872,686	90.4
General contractors ²	18,223,744	104,093	35.4	1.1	51,199,482	77.3	Sewer, gas, water, conduit.....	682,566	8,500	.4	1.2	1,958,152	98.5
Building.....	10,076,524	192,975	35.0	1.9	29,805,051	67.0	Waterworks.....	93,630	119	(*)	.1	250,614	93.6
Building not specialized ³	9,307,026	173,345	31.4	1.9	27,853,755	68.0	Subcontractors.....	11,079,515	2,067,693	92.8	17.7	23,847,145	95.4
Commercial building only.....	77,633	400	.1	.5	190,980	67.1	Heating and plumbing.....	3,673,633	1,777,141	79.8	48.4	6,872,957	98.3
Manufacturing building only.....	162,654	1,550	.3	1.0	331,271	95.0	Heating and piping.....	2,108,480	684,974	30.7	32.5	3,856,732	98.2
Residential building only.....	539,211	17,680	3.2	3.3	1,429,045	55.1	Plumbing.....	1,202,865	910,709	41.3	76.5	2,351,291	98.0
Highway.....	4,515,710	244	(*)	(*)	11,193,570	92.7	Plumbing and heating combined.....	362,282	172,458	7.7	47.6	664,934	98.8
Bridge and culvert.....	531,991	1,376	.2	.3	1,549,014	94.6	Roofing and sheet-metal work.....	1,364,631	38,875	1.7	2.8	3,071,985	99.6
Street paving.....	2,216,722	100	(*)	.1	5,872,686	90.4	Roofing.....	770,668	34,875	1.6	4.5	1,737,465	98.8
Water works.....	93,630	298	.1	.3	250,614	93.6	Sheet-metal work.....	497,365	4,000	.2	.8	1,121,751	99.3
Subcontractors.....	11,079,515	350,191	64.6	3.0	23,847,145	95.4	Sewer, gas, water, conduit.....	71,168	23,677	1.1	33.3	209,219	100.0
Heating and plumbing.....	3,673,633	100	(*)	(*)	6,872,957	98.3	Metal work, n. e. s.....	3,800,000	228,000	10.2	6.0	6,100,000	80.3
Plumbing and heating combined.....	362,282	100	(*)	(*)	664,934	98.8	<i>Electrical appliances and supplies</i>						
Painting and decorating.....	303,709	303,117	55.0	99.8	1,219,723	100.0	All classes.....	20,003,259	1,661,407	100.0	5.6	75,046,627	82.9
Glass and glazing.....	40,529	40,529	7.4	100.0	110,865	99.1	General contractors ²	18,223,744	90,881	5.5	.5	51,199,482	77.3
Roofing and sheet-metal work.....	1,364,631	12,445	2.3	.9	3,071,985	99.6	Building.....	10,076,524	89,467	5.4	.9	29,805,051	67.0
Roofing.....	770,668	11,945	2.2	1.5	1,737,465	99.8	Building not specialized ³	9,307,026	77,117	4.8	.8	27,853,755	68.0
Sheet-metal work.....	497,365	300	.1	.1	1,121,751	99.3	Residential building only.....	539,211	12,359	.7	2.3	1,429,045	55.1
Roofing and sheet metal combined.....	96,598	200	(*)	.2	212,769	100.0	Bridge and culvert.....	531,991	1,233	.1	.2	1,549,014	94.6
<i>Roofing and sheet metal</i>						<i>Pipe: Drain tile, vitrified, concrete, cement tile, corrugated</i>							
All classes.....	20,003,259	1,439,634	100.0	4.8	75,046,627	82.9	Waterworks.....	93,630	181	(*)	.2	250,614	93.6
General contractors ²	18,223,744	205,391	14.3	1.1	51,199,482	77.3	Subcontractors.....	11,079,515	1,570,526	94.5	13.4	23,847,145	95.4
Building.....	10,076,524	204,523	14.2	2.0	29,805,051	67.0	Electrical.....	1,260,855	1,257,155	75.7	99.7	2,880,200	100.0
Building not specialized ³	9,307,026	171,120	11.9	1.8	27,853,755	68.0	Heating and plumbing.....	3,673,633	82,371	5.0	2.2	6,872,957	98.3
Residential building only.....	539,211	35,403	2.3	6.2	1,429,045	55.1	Heating and piping.....	2,108,480	49,300	3.0	2.3	3,856,732	98.2
Highway.....	4,515,710	348	(*)	(*)	11,193,570	92.7	Plumbing.....	1,202,865	35,071	2.0	2.7	2,351,291	98.0
Bridge and culvert.....	531,991	410	(*)	.1	1,549,014	94.6	Masonry.....	254,199	3,000	.2	1.2	765,899	99.3
Waterworks.....	93,630	110	(*)	.1	250,614	93.6	Meta. work, n. e. s.....	3,800,000	228,000	13.7	6.0	6,100,000	80.3
Subcontractors.....	11,079,515	1,234,243	85.7	10.6	23,847,145	95.4	<i>Roofing and sheet metal</i>						
Concreting.....	83,300	5,529	.4	6.6	238,696	100.0	All classes.....	20,003,259	532,573	100.0	1.8	75,046,627	82.9
Heating and plumbing.....	3,673,633	70,426	4.9	1.9	6,872,957	98.3	General contractors ²	18,223,744	463,085	87.0	2.5	51,199,482	77.3
Heating and piping.....	2,108,480	61,376	4.3	2.9	3,856,732	98.2	Building.....	10,076,524	21,130	4.0	.2	29,805,051	67.0
Plumbing.....	1,202,865	9,050	.9	.8	2,351,291	98.0	Building not specialized ³	9,307,026	20,610	3.0	.2	27,853,755	68.0
Masonry.....	254,199	1,039	.1	.4	765,899	99.3	Commercial building only.....	77,633	332	.1	.4	190,980	67.1
Roofing and sheet-metal work.....	1,364,631	1,150,249	79.9	84.3	3,071,985	99.6	Residential building only.....	539,211	188	(*)	(*)	1,429,045	55.1
Roofing.....	770,668	615,025	42.7	79.8	1,737,465	99.8	Highway.....	4,515,710	101,572	19.1	2.2	11,193,570	92.7
Sheet-metal work.....	497,365	441,084	30.6	88.7	1,121,751	99.3	Bridge and culvert.....	531,991	870	.2	.2	1,549,014	94.6
Roofing and sheet metal combined.....	96,598	94,140	6.5	97.5	212,769	100.0	Street paving.....	2,216,722	34,775	6.5	1.6	5,872,686	90.4
Marble and tiling.....	260,912	7,000	.5	2.7	936,841	99.3	Sewer, gas, water, conduit.....	682,566	271,198	50.9	30.7	1,958,152	98.5
						<i>Dredging, river, harbor, etc.</i>							
						Railroad.....							
						42,734							

See footnotes at end of table, p. 442.

TABLE 10.—COMPARISON OF COST OF DESIGNATED MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, WITH COST OF MATERIALS AND VALUE OF CONSTRUCTION BUSINESS—Con.

[Based exclusively upon reports of establishments which gave the distributed cost of materials]

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	Cost of all materials distributed by kind	COST OF DESIGNATED MATERIAL			Value of construction business	Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	Cost of all materials distributed by kind	COST OF DESIGNATED MATERIAL			Value of construction business	Indicated per cent of all business done by own force ¹			
		Amount	Per cent of—						Amount	Total cost	Cost of all distributed materials			Amount	Per cent of—	
			Total cost	Cost of all distributed materials											Total cost	Cost of all distributed materials
INDIANA—Continued						EVANSVILLE—Continued										
<i>Pipe: Drain tile, vitrified, concrete, segment tile, corrugated—Continued</i>						<i>Brick (face, common, fire, paving, etc.)</i>										
Subcontractors.....	\$11,679,515	\$60,488	13.0	0.6	\$23,847,145	95.4	All classes.....	\$1,121,723	\$57,032	100.0	5.1	\$3,514,454	72.1			
Heating and plumbing.....	3,673,633	34,320	6.4	.9	6,872,057	98.3	General contractors ³	\$524,578	41,232	72.3	7.9	\$2,280,293	63.0			
Heating and piping.....	2,108,486	19,360	3.6	.9	3,856,732	98.2	Building.....	\$375,670	41,232	72.3	11.0	\$1,674,247	52.5			
Plumbing.....	1,202,856	13,458	2.5	1.1	2,351,291	98.0	Building not specialized ³	344,824	41,232	72.3	12.0	1,461,567	53.4			
Plumbing and heating combined.....	362,282	1,493	.3	.4	664,994	98.8	Subcontractors.....	\$597,145	15,800	27.7	2.6	\$1,234,161	98.6			
Excavating.....	6,140	3,000	.6	48.9	42,008	99.4	Masonry.....	19,100	15,800	27.7	82.7	38,700	96.4			
Sewer, gas, water, conduit.....	71,166	32,168	6.0	45.2	209,219	100.0	<i>Cement¹</i>									
<i>Pipe: Cast-iron, sheet and tube steel, etc.</i>						All classes.....										
All classes.....	29,903,250	1,318,375	100.0	4.4	75,046,627	82.9	General contractors.....	509,668	66,018	83.4	13.0	2,242,293	63.0			
General contractors ³	\$18,223,744	253,470	19.0	1.4	\$1,190,482	77.3	Building.....	360,760	17,600	22.3	4.0	1,636,247	52.4			
Building.....	\$10,076,524	4,550	.3	(⁴)	29,805,051	67.0	Building not specialized ³	329,914	15,000	10.8	4.8	1,423,567	53.3			
Building not specialized ³	9,307,026	3,550	.3	(⁴)	27,853,755	68.0	Residential building only.....	30,846	2,000	2.5	6.5	212,680	40.8			
Manufacturing building only.....	162,664	1,000	.1	.7	331,271	95.0	Bridge and culvert.....	51,387	7,060	8.0	13.8	106,642	90.7			
Highway.....	4,515,710	10,820	.8	.2	11,193,570	92.7	Street paving.....	67,344	29,413	37.2	43.7	371,202	72.4			
Bridge and culvert.....	531,991	11,017	.8	2.1	1,549,014	94.6	Waterworks.....	30,177	11,846	15.0	39.3	128,202	90.6			
Street paving.....	2,210,722	1,483	.1	.1	5,872,780	90.4	Subcontractors.....	\$597,145	13,146	16.6	2.2	\$1,234,161	98.6			
Sewer, gas, water, conduit.....	632,556	191,479	14.5	28.1	1,958,152	98.5	Concreting.....	18,162	10,585	13.4	58.3	37,890	100.0			
Waterworks.....	93,630	39,121	3.0	41.8	250,614	93.0	Masonry.....	19,100	1,600	1.0	7.9	38,700	96.4			
Subcontractors.....	\$11,079,515	1,089,905	80.4	9.1	\$23,847,145	95.4	Sewer, gas, water, conduit.....	29,703	1,061	1.3	3.6	85,027	100.0			
Electrical.....	1,260,855	3,500	.3	.3	2,889,200	100.0	<i>Structural steel</i>									
Heating and plumbing.....	3,673,633	61,290	4.6	1.7	6,872,057	98.3	All classes.....	\$1,121,723	46,284	100.0	4.1	\$3,514,454	72.1			
Heating and piping.....	2,108,486	30,840	3.0	1.9	3,856,732	98.2	General contractors ³	\$524,578	46,284	100.0	8.8	\$2,280,293	63.0			
Plumbing.....	1,202,856	7,445	.6	.6	2,351,291	98.0	Building.....	\$375,670	19,174	41.4	5.1	\$1,674,247	52.5			
Plumbing and heating combined.....	362,282	14,005	1.1	3.9	664,994	98.8	Building not specialized ³	344,824	19,174	41.4	5.0	1,461,567	53.4			
Sewer, gas, water, conduit.....	71,166	7,115	.5	10.0	209,219	100.0	Bridge and culvert.....	51,387	26,815	57.9	52.2	106,642	90.7			
Metal work, n. e. s.....	3,800,000	988,000	74.9	26.0	6,100,000	80.3	Waterworks.....	30,177	295	.6	1.0	128,202	90.6			
<i>Bituminous paving materials, tar, asphalt, and oil</i>						<i>Lumber, rough and finished</i>										
All classes.....	729,903,259	626,256	100.0	2.1	\$75,046,627	82.9	All classes.....	\$1,121,723	95,091	100.0	8.5	\$3,514,454	72.1			
General contractors.....	\$17,667,999	602,104	96.2	3.4	\$50,025,932	77.4	General contractors ³	\$524,578	95,091	100.0	18.1	\$2,280,293	63.0			
Building.....	\$9,520,779	10,649	1.7	.1	28,631,601	60.9	Building.....	375,670	89,477	94.1	23.8	1,674,247	52.5			
Building not specialized.....	8,761,281	10,649	1.7	.1	26,680,205	67.9	Building not specialized ³	344,824	61,631	64.8	17.9	1,461,567	53.4			
Highway.....	4,515,710	299,088	47.8	6.6	11,193,570	92.7	Residential building only.....	30,846	27,846	20.3	90.3	212,680	40.8			
Bridge and culvert.....	531,991	870	.1	.2	1,549,014	94.6	Bridge and culvert.....	51,387	4,384	4.0	8.5	106,642	90.7			
Street paving.....	2,210,722	291,537	46.6	13.2	5,872,686	90.4	Waterworks.....	30,177	1,230	1.3	4.1	128,202	90.6			
Subcontractors.....	\$11,670,515	24,092	3.8	.2	\$23,847,145	95.4	<i>Millwork</i>									
Carpentering and wood-flooring.....	115,582	24,000	3.8	20.8	167,612	98.8	All classes.....	\$1,121,723	57,323	100.0	5.1	\$3,514,454	72.1			
Concreting.....	83,990	92	(⁴)	.1	238,696	100.0	General contractors.....	\$509,668	57,323	100.0	11.2	\$2,242,293	63.0			
<i>Metal products, n. e. s. (including metal furniture)</i>						<i>Paints, varnishes, glass</i>										
All classes.....	729,903,259	1,984,083	100.0	6.6	\$75,046,627	82.9	All classes.....	\$1,121,723	25,879	100.0	2.3	\$3,514,454	72.1			
General contractors.....	\$17,667,999	33,887	1.7	.2	\$50,025,932	77.4	General contractors ³	\$509,668	18,213	70.4	3.6	\$2,242,293	63.0			
Building.....	\$9,520,779	5,240	.3	.1	28,631,601	60.9	Building.....	\$360,700	17,915	60.2	5.0	\$1,636,247	52.4			
Building not specialized.....	8,761,281	5,094	.3	.1	26,680,205	67.9	Building not specialized ³	329,914	17,915	60.2	5.4	1,423,567	53.3			
Residential building only.....	539,211	146	(⁴)	(⁴)	1,429,045	55.1	Waterworks.....	30,177	298	1.2	1.0	128,202	90.6			
Bridge and culvert.....	531,991	550	(⁴)	.1	1,549,014	94.6	<i>Roofing and sheet metal</i>									
Dredging, river, harbor, etc.....	63,877	28,097	1.4	44.0	370,674	91.3	All classes.....	\$1,121,723	55,597	100.0	5.0	\$3,514,454	72.1			
Subcontractors.....	\$11,670,515	1,960,196	98.3	16.7	\$23,847,145	95.4	General contractors.....	\$509,668	10,597	19.1	2.1	\$2,242,293	63.0			
Roofing and sheet-metal work.....	\$1,364,631	2,105	.1	.2	\$3,071,985	99.0	Building.....	\$360,700	10,487	18.9	2.9	\$1,636,247	52.4			
Roofing.....	770,668	2,105	.1	.3	1,737,465	99.8	Building not specialized.....	329,914	10,487	18.9	3.2	1,423,567	53.3			
Marble and tiling.....	200,912	10,091	.5	3.9	986,841	99.3	Waterworks.....	30,177	110	.2	.4	128,202	90.6			
Metal work, n. e. s.....	3,800,000	1,938,000	97.7	51.0	6,100,000	80.8	Subcontractors.....	\$597,145	45,000	80.9	7.5	\$1,234,161	98.6			
EVANSVILLE						<i>Heating and ventilating equipment¹¹</i>										
<i>Sand, gravel, stone, slag, cinders, etc.²</i>						All classes.....										
All classes.....	1,121,723	86,005	100.0	7.7	3,514,454	72.1	All classes.....	1,121,723	200,027	100.0	17.8	3,514,454	72.1			
General contractors ³	524,578	77,128	89.7	14.7	2,280,293	63.0	General contractors ³	\$524,578	12,350	6.2	2.4	\$2,280,293	63.0			
Building.....	375,670	19,656	22.9	5.2	1,674,247	52.5	Building.....	\$375,670	12,350	6.2	3.3	\$1,674,247	52.5			
Building not specialized ³	344,824	18,656	21.7	5.4	1,461,567	53.4	Building not specialized ³	344,824	12,350	6.2	3.6	1,461,567	53.4			
Residential building only.....	30,846	1,000	1.2	3.2	212,680	40.8	<i>General contractors³</i>									
Bridge and culvert.....	51,387	4,536	5.3	8.3	106,642	90.7	General contractors ³	\$524,578	12,350	6.2	2.4	\$2,280,293	63.0			
Street paving.....	67,344	37,931	44.1	56.3	371,202	72.4	Building.....	\$375,670	12,350	6.2	3.3	\$1,674,247	52.5			
Waterworks.....	30,177	15,005	17.4	49.7	128,202	90.6	Building not specialized ³	344,824	12,350	6.2	3.6	1,461,567	53.4			
Subcontractors.....	\$597,145	8,877	10.3	1.5	\$1,234,161	98.6	<i>General contractors³</i>									
Concreting.....	18,162	7,607	8.2	38.9	37,890	100.0	General contractors ³	\$524,578	12,350	6.2	2.4	\$2,280,293	63.0			
Masonry.....	19,100	900	1.0	4.7	38,700	96.4	Building.....	\$375,670	12,350	6.2	3.3	\$1,674,247	52.5			
Sewer, gas, water, conduit.....	29,703	910	1.1	3.1	85,027	100.0	Building not specialized ³	344,824	12,350	6.2	3.6	1,461,567	53.4			

See footnotes at end of table, p. 442.

TABLE 10.—COMPARISON OF COST OF DESIGNATED MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, WITH COST OF MATERIALS AND VALUE OF CONSTRUCTION BUSINESS—Con.

[Based exclusively upon reports of establishments which gave the distributed cost of materials]

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENT	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹		
	Cost of all materials distributed by kind	Amount	Per cent of—					Cost of all distributed materials	Cost of all materials distributed by kind	Amount	Per cent of—			Cost of all distributed materials	
			Total cost	Cost of all distributed materials							Total cost				Cost of all distributed materials
EVANSVILLE—Continued						FORT WAYNE—Continued									
<i>Heating and ventilating equipment—Continued</i>						<i>Cement—Continued</i>									
<i>Subcontractors</i>						<i>General contractors—Contd.</i>									
Heating and plumbing.....	\$ 349,440	\$187,677	93.8	31.4	\$1,234,161	68.6	Highway.....	\$781,112	\$145,109	48.2	18.6	\$1,957,673	93.8		
Heating and piping.....	267,658	187,677	93.8	55.1	583,827	97.4	Street paving.....	61,641	8,551	2.8	13.9	213,665	100.0		
Plumbing.....	72,782	171,787	85.9	64.2	445,531	96.6	Railroad.....	35,677	5,802	1.9	16.3	137,030	91.4		
<i>Plumbing and gas fitting equipment¹¹</i>						<i>Subcontractors</i>									
All classes.....	71,121,723	183,604	100.0	16.4	3,514,454	72.1	Concreting.....	\$1,037,572	11,076	3.7	1.1	\$2,232,070	98.3		
General contractors.....	\$ 509,698	27,577	15.0	5.4	2,242,293	63.9	Marble and tiling.....	19,024	8,642	2.9	45.4	58,469	100.0		
Building.....	260,660	27,458	15.0	7.6	1,036,247	52.4	<i>Plaster, etc.</i>								
Building not specialized.....	329,914	27,458	15.0	8.3	1,423,567	53.3	All classes.....	3,180,028	50,279	100.0	1.6	7,427,501	86.0		
Waterworks.....	30,177	119	1.1	.4	128,202	90.6	General contractors.....	\$2,142,456	45,173	89.8	2.1	\$5,195,431	81.6		
Subcontractors.....	\$ 597,145	150,032	85.0	26.1	\$1,234,161	98.6	Building.....	\$1,236,152	45,173	89.8	3.7	\$2,675,518	70.9		
Heating and plumbing.....	340,440	142,457	77.6	41.8	583,827	97.4	Building not specialized.....	1,193,662	45,173	89.8	3.8	2,583,473	72.1		
Heating and piping.....	267,658	86,771	47.3	32.4	445,531	96.6	Subcontractors.....	\$1,037,572	5,106	10.2	.5	\$2,232,070	98.3		
Plumbing.....	72,782	55,686	30.3	76.5	138,296	100.0	Plastering and lathing.....	14,150	5,106	10.2	36.1	45,340	100.0		
Sewer, gas, water, conduit.....	29,703	13,575	7.4	45.7	85,272	100.0	<i>Structural steel</i>								
<i>Electrical appliances and supplies¹²</i>						<i>All classes</i>									
All classes.....	1,121,723	150,694	100.0	13.4	3,514,454	72.1	General contractors.....	\$3,180,028	134,766	100.0	4.2	\$7,427,501	86.0		
General contractors.....	\$ 524,378	13,610	9.0	2.6	2,280,293	63.6	General contractors.....	\$2,142,456	134,766	100.0	6.3	\$5,195,431	81.6		
Building.....	375,670	13,429	8.9	3.6	1,674,247	52.5	Building.....	\$1,236,152	134,766	100.0	10.9	\$2,675,518	70.9		
Building not specialized.....	344,824	13,429	8.9	3.9	1,461,567	53.4	Building not specialized.....	1,193,662	133,569	99.1	11.2	2,583,473	72.1		
Waterworks.....	30,177	181	1.1	.6	128,202	90.6	Commercial building only.....	28,015	1,200	.9	4.3	59,045	75.3		
Subcontractors.....	\$ 597,145	137,084	91.0	23.0	\$1,234,161	98.6	<i>Reinforcing steel</i>								
Electrical.....	137,084	137,084	91.0	100.0	337,502	99.7	All classes.....	\$3,180,028	143,224	100.0	4.5	\$7,427,501	86.0		
FORT WAYNE						<i>General contractors</i>									
<i>Sand, gravel, stone, slag, cinders, etc.¹³</i>						<i>Building</i>									
All classes.....	3,180,028	694,407	100.0	21.8	7,427,501	86.0	Building not specialized.....	\$1,193,662	41,662	29.3	3.5	2,583,473	72.1		
General contractors.....	\$2,142,456	624,478	89.9	29.1	\$5,195,431	81.6	Commercial building only.....	28,015	375	.3	1.3	59,045	75.3		
Building.....	1,236,152	114,334	16.5	9.2	2,675,518	70.9	Residential building only.....	14,475	300	(0)	2.1	33,000	58.1		
Building not specialized.....	1,193,662	111,784	16.1	9.4	2,583,473	72.1	Highway.....	781,112	471,771	67.9	60.4	1,957,673	93.8		
Commercial building only.....	28,015	2,250	3.9	8.0	59,045	75.3	Street paving.....	61,641	28,673	4.1	46.5	137,030	100.0		
Residential building only.....	14,475	300	(0)	2.1	33,000	58.1	Railroad.....	35,677	9,700	1.4	27.2	137,030	91.4		
Highway.....	781,112	471,771	67.9	60.4	1,957,673	93.8	Subcontractors.....	\$1,037,572	69,929	10.1	6.7	\$2,232,070	98.3		
Street paving.....	61,641	28,673	4.1	46.5	137,030	100.0	Concreting.....	19,024	10,382	1.5	54.6	58,469	100.0		
Railroad.....	35,677	9,700	1.4	27.2	137,030	91.4	Plastering and lathing.....	14,150	496	1.1	3.5	45,340	100.0		
Subcontractors.....	\$ 597,145	137,084	91.0	23.0	\$1,234,161	98.6	Marble and tiling.....	73,485	59,051	8.5	80.4	254,107	95.3		
Electrical.....	137,084	137,084	91.0	100.0	337,502	99.7	<i>Brick (face, common, fire, paving, etc.)</i>								
<i>All classes</i>						<i>All classes</i>									
General contractors.....	\$2,142,456	159,709	100.0	7.5	\$5,195,431	81.6	General contractors.....	\$3,180,028	159,709	100.0	5.0	\$7,427,501	86.0		
Building.....	1,236,152	155,682	97.5	12.6	2,675,518	70.9	Building.....	\$2,142,456	159,709	100.0	7.5	\$5,195,431	81.6		
Building not specialized.....	1,193,662	160,512	94.2	12.6	2,583,473	72.1	Building.....	\$1,236,152	155,682	97.5	12.6	2,675,518	70.9		
Commercial building only.....	28,015	4,550	2.8	16.2	59,045	75.3	Building not specialized.....	1,193,662	160,512	94.2	12.6	2,583,473	72.1		
Residential building only.....	14,475	600	.4	4.1	33,000	58.1	Commercial building only.....	28,015	4,550	2.8	16.2	59,045	75.3		
Railroad.....	35,677	4,047	2.5	11.3	137,030	91.4	Residential building only.....	14,475	600	.4	4.1	33,000	58.1		
<i>Cut stone, granite and marble</i>						<i>Highway</i>									
All classes.....	3,180,028	91,179	100.0	2.9	7,427,501	86.0	Street paving.....	61,641	28,673	4.1	46.5	137,030	100.0		
General contractors.....	\$2,142,456	48,026	74.6	3.2	\$5,195,431	81.6	Railroad.....	35,677	9,700	1.4	27.2	137,030	91.4		
Building.....	\$1,236,152	66,898	73.4	5.4	2,675,518	70.9	Subcontractors.....	\$1,037,572	69,929	10.1	6.7	\$2,232,070	98.3		
Building not specialized.....	1,193,662	66,308	72.8	5.6	2,583,473	72.1	Concreting.....	19,024	10,382	1.5	54.6	58,469	100.0		
Commercial building only.....	28,015	506	.5	1.8	59,045	75.3	Plastering and lathing.....	14,150	496	1.1	3.5	45,340	100.0		
Railroad.....	35,677	1,128	1.2	3.2	137,030	91.4	Marble and tiling.....	73,485	59,051	8.5	80.4	254,107	95.3		
Subcontractors.....	\$1,037,572	23,133	25.4	2.2	\$2,232,070	98.3	<i>Lumber, rough and finished</i>								
Stone work.....	23,133	23,133	25.4	100.0	75,326	100.0	All classes.....	\$3,180,028	188,269	100.0	5.9	\$7,427,501	86.0		
<i>Cement¹⁴</i>						<i>General contractors</i>									
All classes.....	3,180,028	301,119	100.0	9.5	7,427,501	86.0	Building.....	\$2,142,456	188,269	100.0	8.8	\$5,195,431	81.6		
General contractors.....	\$2,142,456	290,043	96.3	13.5	\$5,195,431	81.6	Building.....	\$1,236,152	175,414	93.2	14.2	\$2,675,518	70.9		
Building.....	1,236,152	130,500	43.4	10.6	2,675,518	70.9	Building not specialized.....	1,193,662	155,914	82.8	13.1	2,583,473	72.1		
Building not specialized.....	1,193,662	128,365	42.6	10.8	2,583,473	72.1	Commercial building only.....	28,015	7,000	4.0	26.8	59,045	75.3		
Commercial building only.....	28,015	1,775	.6	6.3	59,045	75.3	Residential building only.....	14,475	12,000	6.4	82.9	33,000	58.1		
Residential building only.....	14,475	450	.1	3.1	33,000	58.1	Highway.....	781,112	8,100	4.3	1.0	1,957,673	93.8		
<i>See footnotes at end of table, p. 442.</i>						<i>Railroad</i>									
						<i>All classes</i>									
						<i>General contractors</i>									
						<i>Building</i>									
						<i>Building not specialized</i>									
						<i>Commercial building only</i>									
						<i>Residential building only</i>									
						<i>Highway</i>									
						<i>Street paving</i>									
						<i>Railroad</i>									
						<i>Subcontractors</i>									
						<i>Concreting</i>									
						<i>Plastering and lathing</i>									
						<i>Marble and tiling</i>									
						<i>Structural steel</i>									
						<i>All classes</i>									
						<i>General contractors</i>									
						<i>Building</i>									
						<i>Building not specialized</i>									
						<i>Commercial building only</i>									
						<i>Reinforcing steel</i>									
						<i>All classes</i>									
						<i>General contractors</i>									
						<i>Building</i>									
						<i>Building not specialized</i>									
						<i>Commercial building only</i>									
						<i>Lumber, rough and finished</i>									
						<i>All classes</i>									
						<i>General contractors</i>									
						<i>Building</i>									
						<i>Building not specialized</i>									
						<i>Commercial building only</i>									
						<i>Residential building only</i>									
						<i>Highway</i>									
						<i>Street paving</i>									
						<i>Railroad</i>									
						<i>Metal doors, windows, and trim</i>									
						<i>All classes</i>									
						<i>General contractors</i>									
						<i>Building</i>									
						<i>Building not specialized</i>									
						<i>Commercial building only</i>									
						<i>Lumber, rough and finished</i>									
						<i>All classes</i>									
						<i>General contractors</i>									
						<i>Building</i>									
						<i>Building not specialized</i>									
						<i>Commercial building only</i>									
						<i>Millwork</i>									
						<i>All classes</i>									
						<i>General contractors</i>									
						<i>Building</i>									
						<i>Building not specialized</i>									
						<i>Commercial building only</i>									
						<i>Paints, varnishes, glass</i>									
						<i>All classes</i>									
						<i>General contractors</i>									
						<i>Building</i>									
						<i>Building not specialized</i>									
						<i>Commercial building only</i>									
						<i>Subcontractors</i>									
						<i>Flooring, n. e. s.</i>									
						<i>Paints, varnishes, glass</i>									
						<i>All classes</i>									
						<i>General contractors</i>									
						<i>Building</i>									
						<i>Building not specialized</i>									
						<i>Commercial building only</i>									
						<i>Subcontractors</i>									
						<i>Painting and decorating</i>									
						<i>Roofing and sheet metal</i>									
						<i>All classes</i>									
						<i>General contractors</i>									
						<i>Building</i>									
						<i>Building not specialized</i>									
						<i>Commercial building only</i>									
						<i>Residential building only</i>									
						<i>Highway</i>									
						<i>Street paving</i>									
						<i>Railroad</i>									

See footnotes at end of table, p. 442.

TABLE 10.—COMPARISON OF COST OF DESIGNATED MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, WITH COST OF MATERIALS AND VALUE OF CONSTRUCTION BUSINESS—Con.

[Based exclusively upon reports of establishments which gave the distributed cost of materials]

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	Cost of all materials distributed by kind	COST OF DESIGNATED MATERIAL			Value of construction business	Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	Cost of all materials distributed by kind	COST OF DESIGNATED MATERIAL			Value of construction business	Indicated per cent of all business done by own force ¹
		Amount	Per cent of—						Amount	Per cent of—			
			Total cost	Cost of all distributed materials						Total cost	Cost of all distributed materials		
FORT WAYNE—Continued						GARY—Continued							
<i>Roofing and sheet metal—Continued</i>						<i>Brick (face, common, fire, paving, etc.)</i>							
Subcontractors.....	\$1,037,572	\$123,448	92.9	11.9	\$2,232,070	98.3	All classes.....	\$900,271	\$29,607	100.0	3.0	\$2,786,371	88.7
Roofing and sheet-metal work.....	144,937	123,448	92.9	85.2	331,046	100.0	General contractors.....	\$754,248	29,607	100.0	3.9	\$2,120,605	84.7
Roofing.....	75,520	63,147	47.5	83.6	194,692	100.0	Building.....	266,784	29,607	100.0	11.1	917,059	69.0
Sheet-metal work.....	69,417	60,301	45.4	86.9	166,354	100.0	Building not specialized.....	266,784	29,607	100.0	11.1	917,059	66.8
<i>Heating and ventilating equipment</i>						<i>Tile, facing, terra cotta, floor and wall</i>							
All classes.....	3,180,028	185,653	100.0	5.8	7,427,501	86.0	All classes.....	990,271	26,713	100.0	2.7	2,780,371	88.7
General contractors.....	\$2,142,456	2,950	1.6	.1	\$5,195,431	81.6	General contractors.....	\$754,248	6,349	23.8	.8	\$2,120,605	84.7
Building.....	\$1,236,152	2,950	1.6	.2	\$2,675,518	70.9	Building.....	266,784	6,349	23.8	2.4	917,059	69.0
Building not specialized.....	1,193,662	2,950	1.6	.2	2,583,473	72.1	Building not specialized.....	266,784	6,349	23.8	2.4	917,059	66.8
Subcontractors.....	\$1,037,572	182,703	98.4	17.0	\$2,232,070	98.3	Subcontractors.....	\$236,023	20,364	76.2	8.0	\$659,766	99.6
Heating and plumbing.....	566,397	173,687	93.5	30.6	958,494	97.5	Marble and tiling.....	34,728	20,364	76.2	58.0	70,000	100.0
Heating and piping.....	291,269	188,164	74.4	47.4	487,544	99.1	<i>Cement¹</i>						
Plumbing.....	241,874	23,241	12.5	9.0	416,850	100.0	All classes.....	990,271	260,419	100.0	26.3	2,786,371	88.7
Plumbing and heating combined.....	33,254	12,182	6.0	36.6	54,070	85.4	General contractors.....	754,248	254,940	97.9	33.8	2,120,605	84.7
Roofing and sheet-metal work.....	\$144,937	9,116	4.9	6.3	\$331,046	100.0	Building.....	266,784	17,477	6.7	6.6	917,059	69.0
Sheet-metal work.....	69,417	9,116	4.9	13.1	166,354	100.0	Building not specialized.....	266,784	17,477	6.7	6.6	917,059	66.8
<i>Plumbing and gas fitting equipment¹¹</i>						<i>Highway</i>							
All classes.....	3,180,028	341,916	100.0	10.8	7,427,501	86.0	Street paving.....	144,345	157,050	60.3	45.8	331,342	98.3
General contractors.....	\$2,142,456	1,717	.5	.1	\$5,195,431	81.6	Street paving.....	144,345	80,413	30.9	55.7	378,204	95.8
Building.....	\$1,236,152	1,717	.5	.1	\$2,675,518	70.9	<i>Reinforcing steel</i>						
Building not specialized.....	1,193,662	1,717	.5	.1	2,583,473	72.1	All classes.....	\$990,271	55,255	100.0	5.0	2,786,371	88.7
Subcontractors.....	\$1,037,572	340,199	99.5	32.9	\$2,232,070	98.3	General contractors.....	754,248	55,255	100.0	7.3	2,120,605	84.7
Heating and plumbing.....	566,397	335,549	98.1	59.2	958,494	97.5	Building.....	266,784	16,672	30.2	6.2	917,059	69.0
Heating and piping.....	291,269	104,105	30.4	35.7	487,544	99.1	Building not specialized.....	266,784	16,672	30.2	6.2	917,059	66.8
Plumbing.....	241,874	216,338	63.3	89.4	416,850	100.0	Highway.....	343,119	37,258	67.4	10.9	331,342	98.3
Plumbing and heating combined.....	33,254	15,108	4.4	45.4	54,070	85.4	Street paving.....	144,345	1,325	2.4	.9	378,204	95.8
Roofing and sheet-metal work.....	\$144,937	4,650	1.4	3.2	\$331,046	100.0	<i>Lumber, rough and finished</i>						
Roofing.....	75,520	4,650	1.4	6.2	164,692	100.0	All classes.....	990,271	36,174	100.0	3.7	2,786,371	88.7
<i>Electrical appliances and supplies</i>						<i>General contractors.....</i>							
All classes.....	3,180,028	153,016	100.0	4.8	7,427,501	86.0	Building.....	754,248	24,692	68.3	3.3	2,120,605	84.7
General contractors.....	\$2,142,456	919	.6	(¹)	\$5,195,431	81.6	Building.....	266,784	23,213	64.2	8.7	917,059	69.0
Building.....	\$1,236,152	919	.6	.1	\$2,675,518	70.9	Building not specialized.....	266,784	23,213	64.2	8.7	917,059	66.8
Building not specialized.....	1,193,662	919	.6	.1	2,583,473	72.1	Highway.....	343,119	979	2.7	.3	331,342	98.3
Subcontractors.....	\$1,037,572	152,097	99.4	14.7	\$2,232,070	98.3	Street paving.....	144,345	500	1.4	.3	378,204	95.8
Electrical.....	103,097	103,097	67.4	100.0	216,781	100.0	Subcontractors.....	\$236,023	11,482	31.7	4.9	\$659,766	99.6
Heating and plumbing.....	566,397	49,000	32.0	8.7	958,494	97.5	Carpentering and wood flooring.....	16,878	11,232	31.0	66.5	37,150	94.0
Heating and piping.....	291,269	49,000	32.0	16.8	487,544	99.1	Painting and decorating.....	9,260	250	.7	2.7	71,951	100.0
<i>Pipe: Drain tile, vitrified, concrete, segment tile, corrugated</i>						<i>Lathes, shingles, and shakes (wood)</i>							
All classes.....	\$3,180,028	78,735	100.0	2.5	\$7,427,501	86.0	All classes.....	\$990,271	104,230	100.0	10.5	2,786,371	88.7
General contractors.....	\$2,142,456	78,735	100.0	3.7	\$5,195,431	81.6	General contractors.....	\$754,248	104,230	100.0	13.8	\$2,120,605	84.7
Building.....	\$1,236,152	5,895	7.5	.5	\$2,675,518	70.9	Building.....	266,784	104,230	100.0	39.1	917,059	69.0
Building not specialized.....	1,193,662	5,895	7.5	.5	2,583,473	72.1	Building not specialized.....	266,784	104,230	100.0	39.1	917,059	66.8
Highway.....	781,112	45,624	57.9	5.8	1,957,673	93.8	<i>Millwork</i>						
Dredging, river, harbor, etc.	27,874	26,442	33.6	94.9	211,605	83.0	All classes.....	990,271	28,156	100.0	2.8	2,786,371	88.7
Railroad.....	35,677	774	1.0	2.2	137,030	91.4	General contractors.....	\$754,248	23,040	81.8	3.1	\$2,120,605	84.7
GARY						<i>General contractors.....</i>							
<i>Sand, gravel, stone, slag, cinders, etc.²</i>						<i>Building.....</i>							
All classes.....	990,271	202,985	100.0	20.5	2,786,371	88.7	Building not specialized.....	266,784	104,230	100.0	39.1	917,059	66.8
General contractors.....	754,248	106,323	96.7	26.0	2,120,605	84.7	<i>Paints, varnishes, glass</i>						
Building.....	266,784	17,930	8.8	6.7	917,059	69.0	All classes.....	\$990,271	31,192	100.0	3.1	2,786,371	88.7
Building not specialized.....	266,784	17,930	8.8	6.7	917,059	66.8	Subcontractors.....	\$236,023	31,192	100.0	13.2	\$659,766	99.6
Highway.....	343,119	116,286	57.3	33.9	831,342	98.3	Painting and decorating.....	9,260	27.8	93.0	93.0	71,951	100.0
Street paving.....	144,345	62,107	30.6	43.0	378,204	95.8	Glass and glazing.....	22,224	22,224	71.2	100.0	68,390	98.5
Subcontractors.....	\$236,023	6,662	3.3	2.8	\$659,766	99.6	Roofing and sheet-metal work.....	55,980	300	1.0	.5	117,946	100.0
Painting and decorating.....	9,260	342	.2	3.7	71,951	100.0	Sheet-metal work.....	55,980	300	1.0	.5	117,946	100.0
Marble and tiling.....	34,728	6,220	3.1	18.2	76,000	100.0							

See footnotes at end of table, p. 442.

TABLE 10.—COMPARISON OF COST OF DESIGNATED MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, WITH COST OF MATERIALS AND VALUE OF CONSTRUCTION BUSINESS—Con.

[Based exclusively upon reports of establishments which gave the distributed cost of materials]

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹
	Cost of all materials distributed by kind	Amount	Per cent of—					Cost of all materials distributed by kind	Amount	Per cent of—			
			Total cost	Cost of all distributed materials						Total cost	Cost of all distributed materials		
GARY—Continued						INDIANAPOLIS—Continued							
Roofing and sheet metal						Tile (fireproofing)							
All classes.....	\$900,271	\$37,815	100.0	3.8	\$2,786,371	88.7	All classes.....	\$7,457,030	\$109,153	100.0	1.5	\$20,749,649	74.7
Subcontractors.....	\$230,023	37,815	100.0	16.0	\$659,700	99.6	General contractors.....	\$4,461,269	85,337	78.2	1.0	\$13,796,776	63.2
Roofing and sheet-metal work.....	55,980	37,815	100.0	67.6	117,940	100.0	Building.....	\$2,613,744	85,337	78.2	3.3	\$9,314,200	51.6
Sheet-metal work.....	55,980	37,815	100.0	67.6	117,940	100.0	Building not specialized.....	2,419,307	85,137	78.0	3.5	8,748,727	52.8
Heating and ventilating equipment						Residential building only.....							
All classes.....	\$900,271	24,371	100.0	2.5	\$2,786,371	88.7	180,879	200	.2	.1	514,436	43.9	
Subcontractors.....	\$236,023	24,371	100.0	10.3	\$659,766	99.6	Subcontractors.....	\$2,817,926	23,816	21.8	.8	\$6,576,823	99.2
Heating and plumbing.....	38,279	13,006	53.4	34.0	94,028	100.0	Heating and plumbing.....	\$1,217,243	300	.3	(*)	\$2,403,799	93.5
Plumbing.....	25,401	7,400	30.4	29.1	67,471	100.0	Plumbing and heating combined.....	101,502	300	.3	.3	184,932	99.8
Plumbing and heating combined.....	12,878	5,006	23.0	43.5	26,557	100.0	Masonry.....	213,400	23,510	21.5	11.0	663,162	99.9
Roofing and sheet-metal work.....	55,980	11,365	46.6	20.3	117,940	100.0	Tile, facing, terra cotta, floor, and wall						
Sheet-metal work.....	55,980	11,365	46.6	20.3	117,940	100.0	All classes.....	7,457,030	129,946	100.0	1.7	20,749,649	74.7
Plumbing and gas fitting equipment						General contractors².....							
All classes.....	900,271	20,336	100.0	3.0	2,786,371	88.7	4,639,104	76,697	59.0	1.7	\$14,172,826	63.2	
General contractors.....	\$754,248	63	.2	(*)	\$2,126,605	84.7	2,791,579	76,697	59.0	2.7	\$9,690,250	52.0	
Building.....	266,784	63	.2	(*)	917,059	99.0	2,597,142	76,597	58.9	2.9	9,124,777	53.3	
Building not specialized.....	266,784	63	.2	(*)	917,059	99.0	180,879	100	.1	.1	514,436	43.9	
Subcontractors.....	\$236,023	20,273	99.8	12.4	\$659,766	99.6	Subcontractors.....	\$2,817,926	53,249	41.0	1.9	\$6,576,823	99.2
Heating and plumbing.....	38,279	25,273	86.2	66.0	94,028	100.0	Masonry.....	213,400	8,436	6.5	4.0	663,162	99.9
Plumbing.....	25,401	18,001	61.4	70.9	67,471	100.0	Marble and tiling.....	85,241	44,813	34.5	52.6	452,087	100.0
Plumbing and heating combined.....	12,878	7,272	24.8	50.5	26,557	100.0	Cut stone, granite and marble						
Roofing and sheet-metal work.....	55,980	4,000	13.6	7.1	117,940	100.0	All classes.....	7,457,030	237,230	100.0	3.2	20,749,649	74.7
Sheet-metal work.....	55,980	4,000	13.6	7.1	117,940	100.0	General contractors ²	4,639,104	226,245	95.4	4.9	\$14,172,826	63.2
Electrical appliances and supplies						Building.....							
All classes.....	\$900,271	58,674	100.0	5.9	\$2,786,371	88.7	2,791,579	199,992	84.3	7.2	\$9,690,250	52.0	
Subcontractors.....	\$236,023	58,674	100.0	24.9	\$659,766	99.6	2,597,142	198,324	83.6	7.6	9,124,777	53.3	
Electrical.....	58,674	58,674	100.0	100.0	194,301	100.0	Commercial building only.....	13,558	1,608	.7	12.3	51,037	42.5
INDIANAPOLIS						Bridge and culvert.....							
Sand, gravel, stone, slag, cinders, etc.³						Street paving.....							
All classes.....	7,457,030	1,028,503	100.0	13.8	20,749,649	74.7	791,481	352,678	44.6	44.6	1,938,991	94.3	
General contractors ²	4,639,104	1,014,300	98.6	21.9	14,172,826	63.2	Sewer, gas, water, conduit.....	131,883	4,536	.6	3.4	363,942	160.0
Building.....	2,791,579	296,250	28.8	10.6	9,690,250	52.0	Dredging, river, harbor, etc.....	7,906	66	(*)	.7	105,000	100.0
Building not specialized ²	2,597,142	292,551	28.4	11.3	9,124,777	53.3	Railroad.....	7,057	677	.1	9.6	56,491	100.0
Commercial building only.....	13,558	1,709	.2	12.6	51,037	42.5	Subcontractors.....	\$2,817,926	26,968	3.4	1.0	\$6,576,823	99.2
Residential building only.....	180,879	1,990	.2	1.1	514,436	43.9	Masonry.....	213,400	14,099	1.8	6.6	663,162	99.9
Highway.....	789,441	428,128	41.0	54.2	1,512,242	98.3	Marble and tiling.....	85,241	12,899	1.6	15.1	452,087	100.0
Bridge and culvert.....	110,757	16,903	1.6	14.1	505,910	98.6	Cement²						
Street paving.....	791,481	270,503	26.3	34.2	1,938,991	94.3	All classes.....	7,457,030	790,643	100.0	10.6	20,749,649	74.7
Sewer, gas, water, conduit.....	131,883	1,833	.2	1.4	363,942	100.0	General contractors ²	4,639,104	763,675	96.6	16.5	\$14,172,826	63.2
Dredging, river, harbor, etc.....	7,906	685	.1	7.4	105,000	100.0	Building.....	2,791,579	338,430	42.8	12.1	\$9,690,250	52.0
Railroad.....	7,057	98	(*)	1.4	56,491	100.0	Building not specialized ²	2,597,142	335,844	42.5	12.9	9,124,777	53.3
Subcontractors.....	\$2,817,926	14,203	1.4	.5	\$6,576,823	99.2	Commercial building only.....	13,558	1,324	.2	9.8	51,037	42.5
Masonry.....	213,400	10,114	1.0	4.7	663,162	99.9	Residential building only.....	180,879	1,268	.2	.7	514,436	43.9
Marble and tiling.....	85,241	4,089	.4	4.8	452,087	100.0	Highway.....	789,441	41,916	5.3	5.3	1,512,242	98.3
Brick (face, common, fire paving, etc.)						Structural steel							
All classes.....	7,457,030	359,375	100.0	4.8	20,749,649	74.7	All classes.....	7,457,030	277,030	100.0	3.7	\$20,749,649	74.7
General contractors ²	\$4,639,104	246,360	68.0	5.3	\$14,172,826	63.2	General contractors.....	\$4,461,269	142,640	51.5	3.2	\$13,796,776	63.2
Building.....	\$2,791,579	229,329	63.8	8.2	\$9,690,250	52.0	Building.....	2,613,744	110,588	39.9	4.2	\$9,314,200	51.6
Building not specialized ²	2,597,142	220,398	61.3	8.5	9,124,777	53.3	Building not specialized.....	2,419,307	106,269	38.4	4.4	8,748,727	52.8
Commercial building only.....	180,879	8,931	2.5	4.9	514,436	43.9	Commercial building only.....	13,558	4,221	1.5	31.1	51,037	42.5
Residential building only.....	180,879	11,698	3.3	1.5	1,938,991	94.3	Residential building only.....	180,879	98	(*)	.1	514,436	43.9
Street paving.....	791,481	11,698	3.3	1.5	1,938,991	94.3	Highway.....	789,441	25,358	0.2	3.2	1,512,242	98.3
Sewer, gas, water, conduit.....	131,883	5,333	1.5	4.0	363,942	100.0	Bridge and culvert.....	110,757	3,500	1.3	2.9	505,910	98.6
Subcontractors.....	\$2,817,926	113,015	31.4	4.0	\$6,576,823	99.2	Street paving.....	791,481	1,200	.4	.2	1,938,991	94.3
Masonry.....	213,400	113,015	31.4	52.9	663,162	99.9	Sewer, gas, water, conduit.....	131,883	2,000	.7	1.5	363,942	100.0

See footnotes at end of table, p. 442.

CONSTRUCTION—INDIANA

TABLE 10.—COMPARISON OF COST OF DESIGNATED MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, WITH COST OF MATERIALS AND VALUE OF CONSTRUCTION BUSINESS—Con.

[Based exclusively upon reports of establishments which gave the distributed cost of materials]

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	Cost of all materials distributed by kind	COST OF DESIGNATED MATERIAL			Value of construction business	Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	Cost of all materials distributed by kind	COST OF DESIGNATED MATERIAL			Value of construction business	Indicated per cent of all business done by own force ¹
		Amount	Percent of—						Amount	Percent of—			
			Total cost	Cost of all distributed materials						Total cost	Cost of all distributed materials		
INDIANAPOLIS—Continued						INDIANAPOLIS—Continued							
<i>Reinforcing steel</i>						<i>Heating and ventilating equipment—Continued</i>							
All classes	\$7,457,030	\$250,030	100.0	3.4	\$20,749,649	74.7	Subcontractors	\$2,817,926	\$670,114	97.9	23.8	\$6,576,823	99.2
General contractors ²	\$4,630,104	249,530	99.8	5.4	\$14,172,826	63.2	Heating and plumbing	1,217,243	647,351	94.6	53.2	2,403,799	98.5
Building	2,791,579	185,969	74.4	6.7	9,690,250	52.0	Heating and piping	917,551	500,731	86.3	64.4	1,818,400	97.4
Building not specialized ³	2,597,142	345,167	77.4	13.3	9,124,777	53.3	Plumbing	198,130	11,319	1.7	5.7	400,461	100.0
Highway	789,441	25,120	10.0	3.2	1,512,242	98.3	Plumbing and heating combined	101,562	45,301	6.0	44.0	184,932	99.8
Bridge and culvert	15,844	6.3	13.2	6.3	505,910	98.6	Roofing and sheet-metal work	563,541	22,763	3.3	4.0	1,187,573	99.1
Street paving	791,481	22,597	0.0	2.9	1,938,991	94.3	Roofing	348,560	7,763	1.1	2.2	728,609	99.9
Subcontractors	\$2,817,926	500	.2	(*)	\$6,576,823	99.2	Sheet-metal work	154,341	15,000	2.2	9.7	344,744	97.1
Masonry	213,460	500	.2	2.2	663,162	99.9	<i>Plumbing and gas fitting equipment²</i>						
<i>Lumber, rough and finished</i>						All classes							
All classes	7,457,030	446,147	100.0	6.0	20,749,649	74.7	General contractors ²	\$4,630,104	22,445	4.1	.5	\$14,172,826	63.2
General contractors ²	4,630,104	442,647	99.2	9.5	14,172,826	63.2	Building	2,791,579	18,810	3.4	.7	9,690,250	52.0
Building	2,791,579	410,638	92.0	14.7	9,690,250	52.0	Building not specialized ³	2,597,142	9,000	1.6	.3	9,124,777	53.3
Building not specialized ³	2,597,142	345,167	77.4	13.3	9,124,777	53.3	Residential building only	180,879	9,810	1.8	5.4	514,436	43.9
Commercial building only	13,558	1,177	.8	8.7	51,037	42.5	Street paving	791,481	3,035	.7	.6	1,938,991	94.3
Residential building only	180,879	64,294	14.4	35.5	514,436	43.9	Subcontractors	\$2,817,926	520,008	95.9	18.7	\$6,576,823	99.2
Highway	789,441	3,921	.9	5.5	1,512,242	98.3	Heating and plumbing	1,217,243	510,508	93.1	41.0	2,403,799	98.5
Bridge and culvert	119,757	22,837	5.1	19.1	505,910	98.6	Heating and piping	917,551	283,587	51.7	30.9	1,818,400	97.4
Street paving	791,481	534	.1	1.1	1,938,991	94.3	Plumbing	198,130	174,499	31.8	88.1	400,461	100.0
Sewer, gas, water, conduit	131,883	1,500	.3	1.1	363,942	100.0	Plumbing and heating combined	101,562	52,422	9.0	51.6	184,932	99.8
Dredging, river, harbor, etc.	7,906	270	.1	3.4	105,000	100.0	Roofing and sheet-metal work	563,541	15,500	2.8	2.8	1,187,573	99.1
Railroad	7,057	2,947	.7	41.8	50,491	100.0	Roofing	348,560	15,500	2.8	4.4	728,609	99.0
Subcontractors	\$2,817,926	3,500	.8	1.2	\$6,576,823	99.2	<i>Electrical appliances and supplies</i>						
Masonry	213,460	2,500	.6	1.2	663,162	99.9	All classes	7,457,030	516,073	100.0	6.9	20,749,649	74.7
Roofing and sheet-metal work	563,541	1,000	.2	.2	1,187,573	99.1	General contractors ²	\$4,630,104	20,050	3.9	3.0	\$14,172,826	63.2
Sheet-metal work	154,341	1,000	.2	.6	344,744	97.1	Building	2,791,579	20,050	3.9	.7	9,690,250	52.0
<i>Millwork</i>						Building not specialized ³							
All classes	7,457,030	182,273	100.0	2.4	20,749,649	74.7	Residential building only	2,597,142	8,000	1.7	.3	9,124,777	53.3
General contractors ²	4,630,104	182,273	100.0	3.9	14,172,826	63.2	Street paving	180,879	11,450	2.2	6.3	514,436	43.9
Building	2,791,579	182,273	100.0	6.5	9,690,250	52.0	Subcontractors	\$2,817,926	496,023	96.1	17.6	\$6,576,823	99.2
Building not specialized ³	2,597,142	161,372	88.5	6.2	9,124,777	53.3	Electrical	496,723	493,023	95.5	99.3	1,141,198	100.0
Residential building only	180,879	20,901	11.6	11.6	514,436	43.9	Masonry	213,460	3,000	.6	1.4	663,162	99.9
<i>Paints, varnishes, glass</i>						<i>Pipe: Drain tile, vitrified, concrete, segment tile, corrugated</i>							
All classes	7,457,030	143,154	100.0	1.9	20,749,649	74.7	All classes	7,457,030	139,585	100.0	1.9	20,749,649	74.7
General contractors ²	4,630,104	82,474	57.6	1.8	14,172,826	63.2	General contractors	\$4,461,269	128,273	91.9	2.9	\$13,706,776	63.2
Building	2,791,579	82,374	57.5	3.0	9,690,250	52.0	Building	2,613,744	8,220	5.9	.3	9,314,200	51.6
Building not specialized ³	2,597,142	68,744	45.0	2.6	9,124,777	53.3	Building not specialized ³	2,419,307	7,700	5.5	.3	8,748,727	52.8
Residential building only	180,879	13,630	9.5	7.5	514,436	43.9	Commercial building only	13,558	322	2.2	2.4	51,037	42.5
Bridge and culvert	119,757	100	.1	1.1	505,910	98.6	Residential building only	180,879	188	.1	.1	514,390	43.9
Subcontractors	\$2,817,926	60,080	42.4	2.2	\$6,576,823	99.2	Highway	789,441	8,752	0.3	1.1	1,512,242	98.3
Painting and decorating	60,080	60,080	42.4	100.0	332,668	100.0	Street paving	791,481	9,276	0.6	1.2	1,938,991	94.3
<i>Roofing and sheet metal²</i>						Sewer, gas, water, conduit							
All classes	7,457,030	573,599	100.0	7.7	20,749,649	74.7	Dredging, river, harbor, etc.	131,883	96,030	68.8	72.8	363,942	100.0
General contractors ²	4,630,104	53,840	9.4	1.2	14,172,826	63.2	Subcontractors	\$2,817,926	11,312	8.1	.4	\$6,576,823	99.2
Building	2,791,579	53,840	9.4	1.9	9,690,250	52.0	Heating and plumbing	1,217,243	11,312	8.1	.9	2,403,799	98.5
Building not specialized ³	2,597,142	40,074	7.1	1.0	9,124,777	53.3	Heating and piping	917,551	3,250	2.3	.4	1,818,400	97.4
Residential building only	180,879	13,172	2.3	7.3	514,436	43.9	Plumbing	198,130	8,062	5.8	4.1	400,461	100.0
Subcontractors	\$2,817,926	519,753	90.6	18.4	\$6,576,823	99.2	<i>Bituminous paving materials, tar, asphalt, and oil</i>						
Heating and plumbing	1,217,243	28,326	4.9	2.3	2,403,799	98.5	All classes	7,457,030	324,215	100.0	4.3	20,749,649	74.7
Heating and piping	917,551	28,326	4.9	3.1	1,818,400	97.4	General contractors	\$4,461,269	324,215	100.0	7.3	\$13,706,776	63.2
Masonry	213,460	1,039	.2	.5	663,162	99.9	Building	2,613,744	3,451	1.1	.1	9,314,200	51.6
Roofing and sheet-metal work	563,541	490,388	85.5	87.0	1,187,573	99.1	Building not specialized ³	2,419,307	3,451	1.1	.1	8,748,727	52.8
Roofing	348,560	300,407	85.2	85.2	728,609	99.0	Highway	789,441	251,802	77.7	31.9	1,512,242	98.3
Sheet-metal work	154,341	129,341	22.5	33.8	344,744	97.1	Bridge and culvert	119,757	400	.1	.3	505,910	98.0
Roofing and sheet metal combined	60,640	60,640	10.0	100.0	114,220	100.0	Street paving	791,481	68,662	21.1	8.7	1,938,991	94.3
<i>Heating and ventilating equipment²</i>						SOUTH BEND							
All classes	7,457,030	684,173	100.0	9.2	20,749,649	74.7	<i>Sand, gravel, stone, slag, cinders, etc.²</i>						
General contractors ²	4,630,104	14,059	2.1	.3	14,172,826	63.2	All classes	2,828,098	285,038	100.0	10.1	7,884,443	88.3
Building	2,791,579	14,059	2.1	.5	9,690,250	52.0	General contractors ²	\$1,991,108	271,818	95.4	13.7	\$5,802,611	82.4
Building not specialized ³	2,597,142	5,009	.7	.2	9,124,777	53.3	Building	1,596,667	139,576	49.0	8.7	4,624,217	83.4
Residential building only	180,879	9,059	1.3	5.0	514,436	43.9	Building not specialized ³	1,596,667	139,576	49.0	8.7	4,624,217	83.4
						Street paving							
						800,227							

See footnotes at end of table, p. 442.

TABLE 10.—COMPARISON OF COST OF DESIGNATED MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, WITH COST OF MATERIALS AND VALUE OF CONSTRUCTION BUSINESS—Con.

[Based exclusively upon reports of establishments which gave the distributed cost of materials]

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	Cost of all materials distributed by kind	COST OF DESIGNATED MATERIAL			Value of construction business	Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	Cost of all materials distributed by kind	COST OF DESIGNATED MATERIAL			Value of construction business	Indicated per cent of all business done by own force ¹
		Amount	Per cent of—						Amount	Per cent of—			
			Total cost	Cost of all distributed materials						Total cost	Cost of all distributed materials		
SOUTH BEND—Continued						SOUTH BEND—Continued							
<i>Sand, gravel, stone, slag, cinders, etc.—Contd.</i>						<i>Millwork</i>							
Subcontractors.....	\$ 836,900	\$13,220	4.6	1.6	\$2,081,832	99.4	All classes.....	\$2,828,098	\$234,292	100.0	8.3	\$7,884,443	88.3
Concreting.....	12,783	4,600	1.6	35.2	34,300	100.0	General contractors ²	1,901,108	284,292	100.0	11.8	5,802,611	82.4
Plastering and lathing.....	26,771	1,629	.6	0.3	88,258	100.0	Building.....	1,596,567	284,292	100.0	14.7	4,024,217	83.4
Roofing and sheet-metal work.....	281,930	1,096	.6	.9	655,078	99.7	Building not specialized ³	1,596,567	234,292	100.0	14.7	4,024,217	83.2
Roofing.....	165,202	1,699	.6	1.0	368,360	99.5	<i>Composition board</i>						
Marble and tiling.....	37,915	895	.1	1.0	90,800	100.0	All classes.....	2,828,098	74,007	100.0	2.6	7,884,443	88.3
Grading.....	62,500	5,000	1.8	8.0	206,000	100.0	General contractors ²	1,901,108	47,600	64.3	2.4	5,802,611	82.4
<i>Brick (face, common, fire, paving, etc.)¹</i>						Building.....							
All classes.....	2,828,098	230,670	100.0	8.2	7,884,443	88.3	Building not specialized ³	1,596,567	47,600	64.3	3.0	4,024,217	83.4
General contractors ²	1,991,108	227,670	98.7	11.4	5,802,611	82.4	Subcontractors.....	836,900	26,407	35.7	3.2	2,081,832	99.4
Building.....	1,596,567	227,628	98.7	14.3	4,024,217	83.4	Plastering and lathing.....	26,771	1,050	2.2	0.4	88,258	100.0
Building not specialized ³	1,596,567	227,628	98.7	14.3	4,024,217	83.2	Roofing and sheet-metal work.....	281,930	24,757	33.5	8.8	655,078	99.7
Street paving.....	300,227	42	(*)	(*)	970,852	73.5	Roofing.....	165,202	24,757	33.5	15.0	368,360	99.5
Subcontractors.....	836,900	3,000	1.3	.4	2,081,832	99.4	<i>Hardware, rough and finished</i>						
Sewer, gas, water, conduit.....	41,463	3,000	1.3	7.2	124,192	100.0	All classes.....	2,828,098	42,800	100.0	1.5	7,884,443	88.3
<i>Tile, facing, terra cotta, floor, and wall</i>						General contractors ²							
All classes.....	2,828,098	67,589	100.0	2.4	7,884,443	88.3	Building.....	1,901,108	42,800	100.0	2.1	5,802,611	82.4
General contractors ²	1,991,108	30,510	88.5	2.0	5,802,611	82.4	Building not specialized ³	1,596,567	42,800	100.0	2.7	4,024,217	83.4
Building.....	1,596,567	30,510	88.5	2.5	4,024,217	83.4	<i>Paints, varnishes, glass</i>						
Building not specialized ³	1,596,567	30,510	88.5	2.5	4,024,217	83.2	All classes.....	2,828,098	88,637	100.0	3.1	7,884,443	88.3
Subcontractors.....	836,900	28,070	41.5	3.4	2,081,832	99.4	General contractors.....	1,722,668	3,032	3.4	.2	5,243,111	82.5
Marble and tiling.....	37,915	28,070	41.5	74.1	90,800	100.0	Building.....	1,328,127	3,032	3.4	.2	4,064,717	83.7
<i>Cut stone, granite and marble</i>						Building not specialized ³							
All classes.....	2,828,098	100,796	100.0	3.6	7,884,443	88.3	Subcontractors.....	836,900	85,005	96.6	10.2	2,081,832	99.4
General contractors ²	1,991,108	68,372	67.8	3.4	5,802,611	82.4	Painting and decorating.....	73,767	73,767	83.2	100.0	287,133	100.0
Building.....	1,596,567	68,372	67.8	4.3	4,024,217	83.4	Roofing and sheet-metal work.....	281,930	11,838	13.4	4.2	655,078	99.7
Building not specialized ³	1,596,567	68,372	67.8	4.3	4,024,217	83.2	Roofing.....	165,202	11,838	13.4	7.2	368,360	99.5
Subcontractors.....	836,900	32,424	32.2	3.9	2,081,832	99.4	<i>Roofing and sheet metal³</i>						
Stone work.....	25,000	25,000	24.8	100.0	59,659	100.0	All classes.....	2,828,098	225,837	100.0	8.0	7,884,443	88.3
Marble and tiling.....	37,915	7,424	7.4	19.6	90,800	100.0	General contractors.....	1,722,668	6,663	3.0	.4	5,243,111	82.5
<i>Cement¹</i>						Building.....							
All classes.....	2,828,098	330,400	100.0	1.2	7,884,443	88.3	Building not specialized ³	1,328,127	6,663	3.0	.5	4,064,717	83.7
General contractors ²	1,991,108	261,227	70.1	13.1	5,802,611	82.4	<i>Heating and plumbing</i>						
Building.....	1,596,567	178,028	53.9	11.2	4,024,217	83.4	Subcontractors.....	836,900	219,174	97.0	26.2	2,081,832	99.4
Building not specialized ³	1,596,567	178,028	53.9	11.2	4,024,217	83.2	Heating and plumbing.....	205,112	11,000	4.9	5.4	397,707	98.5
Street paving.....	300,227	83,201	25.2	27.7	970,852	73.5	Heating and piping.....	41,000	11,000	4.9	26.8	97,000	100.0
Subcontractors.....	836,900	69,173	20.0	8.3	2,081,832	99.4	Roofing and sheet-metal work.....	281,930	208,174	92.2	73.8	655,078	99.7
Concreting.....	12,783	8,283	2.5	64.8	34,300	100.0	Roofing.....	165,202	91,446	40.5	55.4	368,360	99.5
Marble and tiling.....	37,915	1,140	.3	3.0	90,800	100.0	Sheet-metal work.....	116,728	116,728	51.7	100.0	256,718	100.0
Grading.....	62,500	57,500	17.4	92.0	206,000	100.0	<i>Heating and ventilating equipment</i>						
Sewer, gas, water, conduit.....	41,463	2,260	.7	5.4	124,192	100.0	All classes.....	2,828,098	62,113	100.0	2.2	7,884,443	88.3
<i>Structural steel</i>						Subcontractors.....							
All classes.....	2,828,098	191,151	100.0	6.8	7,884,443	88.3	Heating and plumbing.....	836,900	62,113	100.0	7.4	2,081,832	99.4
General contractors ²	1,991,108	191,151	100.0	9.6	5,802,611	82.4	Heating and piping.....	205,112	62,113	100.0	30.9	397,707	98.5
Building.....	1,596,567	191,151	100.0	12.0	4,024,217	83.4	Plumbing.....	41,000	30,000	48.3	73.2	97,000	100.0
Building not specialized ³	1,596,567	191,151	100.0	12.0	4,024,217	83.2	Plumbing and heating combined.....	152,914	31,019	49.9	20.3	275,707	96.5
<i>Reinforcing steel</i>						Plumbing and heating combined.....							
All classes.....	2,828,098	138,753	100.0	4.9	7,884,443	88.3	General contractors.....	1,722,668	1,094	1.8	9.8	25,000	99.4
General contractors ²	1,991,108	138,753	100.0	7.0	5,802,611	82.4	<i>Plumbing and gas fitting equipment</i>						
Building.....	1,596,567	136,109	98.1	8.5	4,024,217	83.4	All classes.....	2,828,098	140,161	100.0	5.3	7,884,443	88.3
Building not specialized ³	1,596,567	136,109	98.1	8.5	4,024,217	83.2	Subcontractors.....	836,900	149,161	100.0	17.8	2,081,832	99.4
Street paving.....	300,227	2,644	1.9	.9	970,852	73.5	Heating and plumbing.....	205,112	128,209	86.0	62.5	397,707	98.5
<i>Lumber, rough and finished</i>						Plumbing.....							
All classes.....	2,828,098	162,150	100.0	5.7	7,884,443	88.3	Plumbing and heating combined.....	152,914	118,105	79.2	77.2	275,707	98.5
General contractors ²	1,991,108	162,150	100.0	8.1	5,802,611	82.4	Plumbing and heating combined.....	11,198	10,104	6.8	90.2	25,000	99.4
Building.....	1,596,567	161,366	99.5	10.1	4,024,217	83.4	Roofing and sheet-metal work.....	281,930	10,850	7.3	3.8	655,078	99.7
Building not specialized ³	1,596,567	161,366	99.5	10.1	4,024,217	83.2	Roofing.....	165,202	10,850	7.3	6.6	368,360	99.5
Street paving.....	300,227	784	.6	.3	970,852	73.5	Sewer, gas, water, conduit.....	41,463	10,102	6.8	24.4	124,192	100.0

See footnotes at end of table, p. 442.

TABLE 10.—COMPARISON OF COST OF DESIGNATED MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, WITH COST OF MATERIALS AND VALUE OF CONSTRUCTION BUSINESS—Con.

[Based exclusively upon reports of establishments which gave the distributed cost of materials]

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	Cost of all materials distributed by kind	COST OF DESIGNATED MATERIAL			Value of construction business	Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	Cost of all materials distributed by kind	COST OF DESIGNATED MATERIAL			Value of construction business	Indicated per cent of all business done by own force ¹
		Amount	Per cent of—						Amount	Per cent of—			
			Total cost	Cost of all distributed materials						Total cost	Cost of all distributed materials		
SOUTH BEND—Continued						SOUTH BEND—Continued							
<i>Electrical appliances and supplies</i>						<i>Pipe: Cast-iron, sheet and tube steel, etc.</i>							
All classes.....	\$2,828,098	\$70,740	100.0	2.5	\$7,884,443	88.3	All classes.....	\$2,828,098	\$47,472	100.0	1.7	\$7,884,443	88.3
Subcontractors.....	\$836,990	70,749	100.0	8.5	2,081,832	99.4	General contractors.....	\$1,722,068	40,000	84.8	2.3	5,243,111	82.5
Electrical.....	70,749	70,749	100.0	100.0	138,696	100.0	Building.....	1,328,127	1,000	2.1	.1	4,064,717	83.7
<i>Pipe: Drain tile, vitrified, concrete, segment tile, corrugated</i>						<i>Building not specialized.....</i>							
All classes.....	2,828,098	54,290	100.0	2.3	7,884,443	88.3	Waterworks.....	1,328,127	1,000	2.1	.1	4,064,717	83.4
General contractors.....	\$1,722,068	31,861	58.7	1.8	5,243,111	82.5	Sewer, gas, water, conduit.....	63,453	30,000	82.2	61.5	122,412	96.7
Building.....	1,328,127	1,000	1.8	.1	4,064,717	83.7	Subcontractors.....	\$836,990	7,472	15.7	.9	2,081,832	99.4
Building not specialized.....	1,328,127	1,000	1.8	.1	4,064,717	83.4	Heating and plumbing.....	\$205,112	900	1.9	.4	397,707	98.5
Sewer, gas, water, conduit.....	30,861	30,861	56.8	100.0	85,130	100.0	Plumbing.....	152,914	900	1.9	.6	275,707	96.5
Subcontractors.....	\$836,990	22,429	41.3	2.7	2,081,832	99.4	Sewer, gas, water, conduit.....	41,463	6,572	13.8	15.9	124,102	100.0
Heating and plumbing.....	205,112	2,890	5.3	1.4	397,707	98.5	<i>Bituminous paving materials, tar, asphalt, and oil</i>						
Plumbing.....	152,914	2,890	5.3	1.9	275,707	98.5	All classes.....	\$2,828,098	64,968	100.0	2.3	\$7,884,443	88.3
Sewer, gas, water, conduit.....	41,463	19,539	36.0	47.1	124,192	100.0	General contractors.....	\$1,722,068	64,968	100.0	3.8	5,243,111	82.5
						General contractors.....							
						Street paving.....							
						300,227							
						64,968							
						100.0							
						21.6							
						5,243,111							
						82.5							
						970,852							
						73.5							

¹ Based upon the difference between the total value of all construction business reported and the value of subcontract work let.
² See footnote 3 of Table 9 on p. 433.
³ Includes operative builders.
⁴ Less than one-tenth of 1 per cent.
⁵ Includes cost of materials reported by establishments which did not include designated material in their distributed lists.
⁶ Includes construction work reported by establishments which did not include the designated material in their distributed lists.
⁷ Includes cost of materials reported by operative builders who did not include the designated materials in their distributed lists.
⁸ Includes construction work reported by operative builders who did not include the designated materials in their distributed lists.
⁹ Includes cost of materials reported by subcontracting establishments which did not include the designated material in their distributed lists.
¹⁰ Includes construction work reported by subcontracting establishments which did not include the designated material in their distributed lists.
¹¹ See footnote 5 of Table 9 on p. 433.
¹² See footnote 6 of Table 9 on p. 433.
¹³ Includes cost of materials reported by general contracting establishments which did not include the designated material in their distributed lists.
¹⁴ Includes construction work reported by general contracting establishments which did not include the designated material in their distributed lists.

TABLE 11.—COST OF MATERIAL FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929

[This table is made up in three sections—Section 2 begins on p. 445, section 3 on p. 446]

CLASSIFICATION OF ESTABLISHMENTS	Total cost of all materials ¹	COST OF ALL MATERIALS DISTRIBUTED BY KIND		Sand, gravel, crushed stone, slag, cinders, etc.	Brick (face, common, fire, paving, etc.)	Tile (fire-proofing)	Tile, facing, terra cotta, floor, and wall	Concrete and cinder block	Cut stone, granite, and marble	Riprap, rubble, etc.	Cement	Lime	Plaster, etc.	Structural steel
		Amount	Per cent of total											
INDIANA.....	\$40,614,156	\$28,903,259	73.6	\$4,540,961	\$1,420,695	\$392,487	\$339,799	\$103,290	\$643,842	\$23,227	\$3,370,133	\$143,658	\$179,138	\$991,031
Operative builders.....	637,136	555,745	87.2	12,974	36,100	1,910	6,500	12,723	4,120	300	39,627	4,330	8,520	3,285
General contractors.....	\$24,801,890	17,667,999	71.2	4,277,780	1,087,516	197,703	203,833	82,119	512,837	21,527	3,185,733	119,265	142,634	853,362
Building.....	13,425,724	9,520,779	70.9	804,970	1,037,646	197,703	202,856	73,732	433,636	670	1,043,049	117,740	141,156	716,116
Building not specialized.....	12,046,163	8,751,281	72.6	779,848	984,210	195,161	201,956	63,197	475,692	670	924,840	106,859	136,205	699,797
Commercial building only.....	130,317	77,633	59.6	6,485	8,962	2,232	.....	1,362	6,214	.....	5,516	397	441	7,417
Manufacturing building only.....	180,834	152,654	84.4	7,472	10,245	.....	.....	.....	.....	.....	99,054	6,350	.....	6,554
Residential building only.....	1,068,410	539,211	50.5	12,216	34,229	310	900	9,223	1,730	.....	13,639	4,134	4,510	1,347
Highway.....	5,956,871	4,515,710	75.8	2,466,207	13,000	.....	.....	.....	.....	5,225	1,075,602	.....	.....	32,248
Bridge and culvert.....	1,766,973	531,991	30.1	79,872	2,559	.....	.....	.....	.....	6,775	98,375	297	.....	102,504
Street paving.....	2,541,909	2,216,722	87.2	831,878	18,328	.....	977	5,287	26,038	8,857	883,193	1,228	1,478	1,200
Sewer, gas, water, conduit.....	868,131	682,556	78.6	69,965	11,936	.....	.....	550	.....	.....	67,189	.....	.....	2,000
Waterworks.....	93,630	63,630	100.0	15,006	.....	.....	.....	.....	.....	.....	11,846	.....	.....	295
Dredging, river, harbor, etc.....	78,877	63,877	81.0	685	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Railroad.....	58,734	42,734	72.8	9,798	4,047	.....	.....	.....	1,128	.....	6,479	.....	.....	.....
Subcontractors.....	\$15,175,120	11,679,515	77.0	250,207	297,069	182,874	129,456	8,448	126,885	1,400	144,773	20,063	27,984	134,384
Carpentering and wood flooring.....	115,582	115,582	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Concreting.....	183,094	83,390	45.5	31,544	.....	.....	.....	.....	.....	.....	44,461	500	.....	.....
Electrical.....	1,320,457	1,260,855	95.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Elevator construction.....	65,064	55,054	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Heating and plumbing.....	\$5,792,095	3,073,635	53.4	150	.....	300	.....	.....	.....	.....	180	.....	.....	.....
Heating and piping.....	2,553,726	2,108,486	84.2	.....	.....	.....	.....	.....	.....	.....	105	.....	.....	.....
Plumbing.....	1,597,820	1,202,865	75.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Plumbing and heating combined.....	1,680,753	362,282	21.6	150	.....	300	.....	.....	.....	.....	75	.....	.....	.....
Masonry.....	375,275	254,199	67.7	11,422	142,069	24,574	8,436	6,236	3,613	1,400	16,169	11,286	.....	4,400
Painting and decorating.....	303,709	303,709	100.0	342	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Glass and glazing.....	40,529	40,529	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

See footnotes at end of first section.

TABLE 11.—COST OF MATERIAL FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929—Con.

[This table is made up in three sections—Section 2 begins on p. 445, section 3 on p. 446]

CLASSIFICATION OF ESTABLISHMENTS	Total cost of all materials 1	COST OF ALL MATERIALS DISTRIBUTED BY KIND		Sand, gravel, crushed stone, slag, cinders, etc.	Brick (face, common, fire, paving, etc.)	Tile (fire-proofing)	Tile, facing, terra cotta, floor, and wall	Concrete and cinder block	Cut stone, granite and marble	Riprap, rubble, etc.	Cement	Lime	Plaster, etc.	Structural steel
		Amount	Per cent of total											
INDIANA—Continued.														
Subcontractors—Continued.														
Plastering and lathing.....	\$139,140	\$59,372	42.7	\$9,735								\$5,137	\$27,810	
Roofing and sheet-metal work.....	1,497,375	1,364,631	91.1	1,719			\$964		\$908					\$4,000
Roofing.....	803,407	770,668	95.9	1,719			964		908					4,000
Sheet-metal work.....	597,370	497,365	83.3											
Roofing and sheet-metal combined.....	90,598	90,598	100.0											
Steel erection.....	375,984	125,984	33.5											125,984
Stone work.....	170,255	105,255	61.8						105,255					
Marble and tiling.....	719,504	260,912	36.3	70,255		\$9,000	120,050	\$2,212	17,100		\$23,022	3,140	165	
Excavating.....	6,140	6,140	100.0	3,000							140			
Grading.....	64,630	64,630	100.0	7,130							57,500			
Sewer, gas, water, conduit.....	71,166	71,166	100.0	910	\$3,000						3,311			
Metal work, n. e. s.....	3,800,000	3,800,000	100.0	114,000	152,000	152,000								
Flooring, n. e. s.....	34,474	34,474	100.0											
EVANSVILLE	1,877,226	1,121,723	59.8	286,005	57,032	60	9,902	2,900	8,822		279,164	5,468	1,240	48,284
Operative builders.....	61,410	14,910	24.3	300	700	60	700	1,700	70				280	140
General contractors.....	1,123,870	509,608	45.3	76,828	40,442		9,202	1,200	6,752		66,018	4,568	960	40,144
Building.....	603,092	360,760	59.8	19,356	40,442		9,202	1,200	6,752		17,690	4,568	960	10,034
Building not specialized.....	572,246	329,914	57.7	18,356	40,442		9,202	1,200	6,752		15,690	4,568	960	10,034
Residential building only.....	30,846	30,846	100.0	1,000							2,000			
Bridge and culvert.....	51,387	51,387	100.0	4,536							7,069			26,815
Street paving.....	130,913	67,344	51.4	37,931							29,413			
Waterworks.....	30,177	30,177	100.0	15,005							11,846			295
Subcontractors.....	601,946	597,145	99.3	8,877	15,800						13,146	900		
Concreting.....	18,152	18,152	100.0	7,097							10,585	500		
Electrical.....	137,084	137,084	100.0											
Heating and plumbing.....	340,440	340,440	100.0											
Heating and piping.....	267,658	267,658	100.0											
Plumbing.....	72,782	72,782	100.0											
Masonry.....	47,901	19,100	39.9	900	15,800						1,500	400		
Painting and decorating.....	7,666	7,666	100.0											
Sheet-metal work.....	66,000	45,000	68.2											
Sewer, gas, water, conduit.....	20,703	20,703	100.0	910										
FORT WAYNE	4,549,097	3,180,028	69.9	269,407	169,709	43,485	40,782	3,800	91,179	\$5,225	291,119	29,305	50,279	134,766
General contractors.....	3,157,001	2,142,456	67.9	624,478	150,709	43,485	28,762	3,800	68,026	5,225	290,043	25,067	45,173	134,766
Building.....	1,074,854	1,236,152	73.8	114,334	155,662	43,485	28,762	2,050	66,398		130,590	25,067	45,173	134,766
Building not specialized.....	1,526,847	1,103,662	72.3	111,784	150,512	42,236	28,762	460	66,398		128,365	24,842	45,173	133,566
Commercial building only.....	38,315	28,015	73.1	2,250	4,550	1,250		700	500		1,775			1,200
Residential building only.....	109,692	14,475	13.2	300	600			900			450	225		
Highway.....	1,106,112	781,112	70.6	471,771							145,100			
Street paving.....	110,919	61,641	55.6	28,673				1,750			8,551			
Dredging, river, harbor, etc.....	27,874	27,874	100.0											
Railroad.....	51,677	35,677	69.0	9,700	4,047									
Subcontractors.....	1,392,036	1,037,572	74.5	99,929			12,000		23,153		11,076	4,238	5,106	
Concreting.....	40,098	19,024	47.5	10,382							8,642			
Electrical.....	103,097	103,097	100.0											
Heating and plumbing.....	870,868	566,307	65.0											
Heating and piping.....	526,998	291,269	55.3											
Plumbing.....	241,874	241,874	100.0											
Plumbing and heating combined.....	102,001	33,254	32.6											
Painting and decorating.....	58,855	58,855	100.0											
Plastering and lathing.....	14,150	14,150	100.0	496								4,238	5,106	
Roofing and sheet-metal work.....	100,937	144,937	144.7											
Roofing.....	75,520	75,520	100.0											
Sheet-metal work.....	85,417	69,417	81.3											
Stone work.....	23,153	23,153	100.0						23,153					
Marble and tiling.....	73,485	73,485	100.0	59,051			12,000				2,434			
Flooring, n. e. s.....	34,474	34,474	100.0											
GARY	1,037,124	990,271	95.5	202,985	29,607	2,450	26,713	3,224	6,232		260,419	3,562	130	1,671
General contractors.....	775,704	754,248	97.2	196,323	29,607	2,450	6,349	3,224	6,232		254,040	1,027	130	1,671
Building.....	288,240	266,784	92.6	17,930	29,607	2,450	6,349	3,224	6,232		17,477	1,027	130	1,671
Building not specialized.....	266,784	266,784	100.0	17,930	29,607	2,450	6,349	3,224	6,232		17,477	1,027	130	1,671
Highway.....	343,119	343,119	100.0	116,286							157,050			
Street paving.....	144,345	144,345	100.0	62,107							80,413			
Subcontractors.....	261,420	236,023	90.3	6,662			20,364				5,479	2,565		
Carpentering and wood flooring.....	16,878	16,878	100.0											
Electrical.....	58,674	58,674	100.0											
Heating and plumbing.....	38,279	38,279	100.0											
Plumbing.....	25,401	25,401	100.0											
Plumbing and heating combined.....	12,878	12,878	100.0											
Painting and decorating.....	9,260	9,260	100.0	342										
Glass and glazing.....	22,224	22,224	100.0											
Sheet-metal work.....	55,980	55,980	100.0											
Marble and tiling.....	34,728	34,728	100.0	6,320			20,364				5,479	2,565		

See footnotes at end of first section.

TABLE 11.—COST OF MATERIAL FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929—Con.

[This table is made up in three sections—Section 2 begins on p. 445, section 3 on p. 446]

CLASSIFICATION OF ESTABLISHMENTS	Total cost of all materials ¹	COST OF ALL MATERIALS DISTRIBUTED BY KIND		Sand, gravel, crushed stone, slag, cinders, etc.	Brick (face, common, fire, paving, etc.)	Tile (fire-proofing)	Tile, facing, terra cotta, floor, and wall	Concrete and cinder block	Cut stone, granite, and marble	Riprap, rubble, etc.	Cement	Lime	Plaster, etc.	Structural steel
		Amount	Per cent of total											
INDIANAPOLIS	\$9,416,023	\$7,457,030	79.2	\$1,028,503	\$359,375	\$109,153	\$129,948	\$54,930	\$237,230	\$10,352	\$790,643	\$51,969	\$54,487	\$277,030
Operative builders.....	191,835	177,835	92.7	3,814	15,780	-----	1,000	8,653	750	-----	25,865	450	3,630	-----
General contractors.....	5,510,759	4,461,269	81.0	1,010,486	230,580	85,337	75,697	37,829	225,495	8,952	737,810	41,240	50,857	142,046
Building.....	3,548,469	2,613,744	73.7	202,436	213,549	85,337	75,697	34,331	190,242	95	312,571	41,034	49,379	110,588
Building not specialized.....	3,100,900	2,419,307	78.0	288,737	204,618	85,137	75,597	31,679	197,574	95	309,979	40,179	49,172	106,269
Commercial building only.....	13,558	13,558	100.0	1,709	-----	-----	-----	662	1,668	-----	1,324	-----	-----	4,221
Residential building only.....	405,771	180,879	44.6	1,990	8,931	200	100	2,040	-----	-----	1,268	855	207	98
Highway.....	840,071	789,441	94.0	428,128	-----	-----	-----	-----	-----	-----	41,916	-----	-----	25,368
Bridge and culvert.....	183,892	119,757	65.1	16,903	-----	-----	-----	-----	-----	-----	25,376	206	-----	3,500
Street paving.....	791,481	791,481	100.0	270,593	11,698	-----	-----	3,448	26,038	8,857	352,678	-----	1,478	1,200
Sewer, gas, water, conduit.....	131,883	131,883	100.0	1,833	5,333	-----	-----	-----	-----	-----	4,536	-----	-----	2,000
Dredging, river, harbor, etc.....	7,906	7,906	100.0	685	-----	-----	-----	-----	-----	-----	56	-----	-----	-----
Railroad.....	7,057	7,057	100.0	98	-----	-----	-----	-----	-----	-----	677	-----	-----	-----
Subcontractors.....	18,713,429	2,817,926	75.9	14,203	113,015	23,816	53,249	8,448	10,985	1,400	26,968	10,279	-----	134,384
Electrical.....	496,723	496,723	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Elevator construction.....	55,054	55,054	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Heating and plumbing.....	1,647,896	1,217,243	73.9	-----	-----	300	-----	-----	-----	-----	-----	-----	-----	-----
Heating and piping.....	917,551	917,551	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Plumbing.....	245,130	198,130	80.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Plumbing and heating combined.....	475,419	101,562	21.4	-----	-----	300	-----	-----	-----	-----	-----	-----	-----	-----
Masonry.....	225,480	213,460	94.7	10,114	113,015	23,516	8,430	6,230	1,300	1,400	14,099	10,086	-----	4,400
Painting and decorating.....	60,680	60,680	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Roofing and sheet-metal work.....	563,541	563,541	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	4,000
Roofing.....	348,560	348,560	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	4,000
Sheet-metal work.....	154,341	154,341	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Roofing and sheet metal combined.....	60,640	60,640	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Steel erection.....	128,984	128,984	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	128,984
Marble and tiling.....	484,848	85,241	17.6	4,089	-----	-----	44,813	2,212	9,685	-----	12,869	193	-----	-----
SOUTH BEND	3,661,828	2,828,098	76.8	\$285,038	\$230,670	\$2,462	\$7,589	\$9,089	\$100,796	-----	\$330,400	\$13,863	\$21,540	\$191,151
Operative builders.....	268,440	268,440	100.0	6,450	16,000	1,250	1,500	1,200	2,600	-----	10,780	3,380	3,480	2,200
General contractors.....	1,944,218	1,722,668	88.6	265,368	211,670	31,212	38,010	7,890	65,772	-----	250,447	10,329	320	188,951
Building.....	1,549,677	1,328,127	85.7	133,126	211,628	31,212	38,010	7,800	65,772	-----	167,249	10,090	320	188,951
Building not specialized.....	1,507,293	1,328,127	88.1	133,126	211,628	31,212	38,010	7,800	65,772	-----	167,249	10,090	320	188,951
Street paving.....	300,227	300,227	100.0	132,242	42	-----	-----	89	-----	-----	83,201	239	-----	-----
Sewer, gas, water, conduit.....	30,861	30,861	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Waterworks.....	63,453	63,453	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Subcontractors.....	1,469,170	836,990	57.0	13,220	3,000	-----	28,079	-----	32,424	-----	60,173	154	17,740	-----
Concreting.....	12,783	12,783	100.0	4,500	-----	-----	-----	-----	-----	-----	8,283	-----	-----	-----
Electrical.....	105,749	70,749	66.9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Heating and plumbing.....	680,524	205,112	30.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Heating and piping.....	56,000	41,000	73.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Plumbing.....	219,100	162,914	69.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Plumbing and heating combined.....	405,424	11,198	2.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Painting and decorating.....	73,767	73,767	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Plastering and lathing.....	105,530	25,771	24.4	1,620	-----	-----	-----	-----	-----	-----	-----	-----	-----	17,590
Roofing and sheet-metal work.....	281,930	281,930	100.0	1,696	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Roofing.....	165,202	165,202	100.0	1,696	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Sheet-metal work.....	116,728	116,728	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Stone work.....	45,000	25,000	55.6	-----	-----	-----	-----	-----	25,000	-----	-----	-----	-----	-----
Marble and tiling.....	59,915	37,915	63.3	295	-----	-----	28,079	-----	7,424	-----	1,140	-----	150	-----
Grading.....	62,500	62,500	100.0	5,000	-----	-----	-----	-----	-----	-----	57,500	-----	-----	-----
Sewer, gas, water, conduit.....	41,463	41,463	100.0	-----	3,000	-----	-----	-----	-----	-----	2,250	-----	-----	-----

¹ Certain establishments did not give a distribution of the cost of their materials by separate items. The total cost of materials reported by such establishments is however, included in totals in this column which carry a footnote to that effect.

² See footnote 3, Table 0, on page 433.

³ Includes central station, light and power plant, \$11,000.

⁴ Includes street paving, \$110,857.

⁵ Includes automatic temperature control, \$9,796.

⁶ Includes highway, \$303,301.

⁷ Includes stone work, \$45,000.

⁸ Includes sewer, gas, water, conduit, \$135,625.

⁹ Includes masonry, \$12,929.

¹⁰ Includes residential building only, \$21,456.

¹¹ Includes concreting, \$25,397.

¹² Includes manufacturing building only, \$28,180.

¹³ Includes cohereting, \$53,243.

¹⁴ Includes automatic temperature control, \$9,796.

¹⁵ Includes commercial building only, \$42,384.

¹⁶ See footnote 5, Table 0, on page 433.

¹⁷ See footnote 6, Table 0, on page 433.

¹⁸ Includes the reported cost of ready mixed concrete; sealing materials; textiles and calking materials; and miscellaneous, n. e. s. For total cost of these items see Table 9.

CONSTRUCTION—INDIANA

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TABLE 11.—COST OF MATERIAL FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929—Con.

CLASSIFICATION OF ESTABLISHMENTS	Reinforcing steel	Cast iron, miscellaneous, excluding pipe	Metal doors, windows, and trim	Metal and wire lath and furring	Ornamental metal work	Lumber, rough and finished	Laths, shingles, and shakes	Mill-work	Composition board	Water-proofing materials	Hardware, rough and finished	Paints, varnishes, and glass	Roofing and sheet metal	Finished flooring n. e. s.	Screens, shades, awnings, etc.
INDIANA	\$981,011	\$45,854	\$209,798	\$109,687	\$80,280	\$1,902,511	\$154,200	\$945,865	\$157,882	\$25,242	\$297,651	\$551,184	\$1,439,634	\$138,938	\$20,835
Operative builders.....	1,000	1,391	2,800	1,800	1,500	188,290	2,150	101,799	49,150	1,900	22,429	9,000	9,500	3,500	2,658
General contractors.....	979,090	43,478	206,998	96,238	77,875	1,629,577	130,497	826,220	53,045	19,497	270,757	185,993	195,891	90,594	16,877
Building.....	461,534	25,914	206,118	95,967	77,875	1,519,265	130,497	823,916	51,195	14,168	254,473	183,975	195,023	90,594	16,877
Building not specialized.....	459,600	25,914	199,773	94,273	76,825	1,223,328	122,798	759,815	47,140	12,778	234,786	164,345	161,020	95,773	13,457
Commercial building only.....	892	-----	1,054	1,076	-----	22,649	1,264	4,875	190	390	828	400	-----	-----	879
Manufacturing building only.....	872	-----	3,001	-----	-----	13,351	-----	1,400	-----	-----	1,805	1,550	-----	-----	-----
Residential building only.....	170	-----	2,200	618	1,050	259,937	6,435	57,826	3,865	1,000	17,054	17,680	33,403	3,821	2,841
Highway.....	392,450	-----	-----	-----	-----	23,305	-----	408	1,850	288	8,194	244	348	-----	-----
Bridge and culvert.....	60,580	484	880	271	-----	52,564	-----	1,700	-----	2,617	4,749	1,376	410	-----	-----
Street paving.....	50,368	4,519	-----	-----	-----	5,109	-----	-----	-----	1,149	440	100	-----	-----	-----
Sewer, gas, water, conduit.....	7,563	11,043	-----	-----	-----	20,132	-----	-----	-----	-----	-----	-----	-----	-----	-----
Waterworks.....	100	136	-----	-----	-----	1,230	-----	196	-----	-----	211	298	110	-----	-----
Dredging, river, harbor, etc.....	1,000	-----	-----	-----	-----	270	-----	-----	-----	-----	-----	-----	-----	-----	-----
Railroad.....	6,495	382	-----	-----	-----	7,702	-----	-----	-----	1,295	2,690	-----	-----	-----	-----
Subcontractors.....	921	985	-----	11,629	905	84,644	21,553	17,346	55,987	3,845	4,465	356,191	1,234,243	35,744	1,500
Carpentering and wood flooring.....	-----	-----	-----	-----	-----	80,130	-----	5,116	-----	-----	530	-----	-----	-----	-----
Concreting.....	421	-----	-----	-----	-----	353	-----	-----	-----	500	-----	-----	5,520	-----	-----
Electrical.....	-----	-----	-----	-----	-----	100	-----	-----	-----	-----	200	-----	-----	-----	-----
Heating and plumbing.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	100	70,426	-----	1,500
Heating and piping.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	61,376	-----	1,500
Plumbing.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	9,050	-----	-----
Plumbing and heating combined.....	-----	-----	-----	-----	-----	100	-----	-----	-----	-----	-----	100	-----	-----	-----
Masonry.....	500	-----	-----	-----	-----	2,500	-----	-----	-----	-----	679	-----	1,039	-----	-----
Painting and decorating.....	-----	-----	-----	-----	-----	250	-----	-----	-----	-----	-----	303,117	-----	-----	-----
Glass and glazing.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	40,529	-----	-----	-----
Plastering and lathing.....	-----	-----	-----	10,693	-----	-----	3,408	-----	1,650	930	-----	-----	-----	-----	-----
Roofing and sheet-metal work.....	-----	-----	-----	-----	905	1,305	18,000	-----	54,037	2,415	3,056	12,445	1,150,249	13,500	-----
Roofing.....	-----	-----	-----	-----	905	305	18,000	-----	54,037	2,415	-----	11,945	615,025	13,500	-----
Sheet-metal work.....	-----	-----	-----	-----	-----	1,000	-----	-----	-----	-----	2,500	300	441,084	-----	-----
Roofing and sheet metal combined.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	300	200	94,140	-----	-----
Marble and tiling.....	-----	-----	-----	936	-----	-----	145	-----	-----	-----	-----	-----	7,000	-----	-----
Sewer, gas, water, conduit.....	-----	985	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Flooring, n. e. s.....	-----	-----	-----	-----	-----	-----	-----	12,230	-----	-----	-----	-----	-----	22,244	-----
EVANSVILLE	5,833	1,121	4,222	500	2,045	95,091	1,200	57,323	3,535	680	6,351	25,879	55,597	-----	1,580
Operative builders.....	-----	-----	-----	-----	-----	7,100	-----	-----	400	-----	200	-----	-----	-----	80
General contractors.....	5,833	136	4,222	500	2,045	87,991	1,200	57,323	3,135	680	5,651	18,213	10,597	-----	1,500
Building.....	2,344	-----	4,222	500	2,045	82,877	1,200	57,127	3,135	680	3,891	17,915	10,487	-----	1,500
Building not specialized.....	2,344	-----	4,222	500	2,045	54,531	1,200	57,127	3,135	680	3,891	17,915	10,487	-----	1,500
Residential building only.....	-----	-----	-----	-----	-----	27,846	-----	-----	-----	-----	-----	-----	-----	-----	-----
Bridge and culvert.....	3,389	-----	-----	-----	-----	4,384	-----	-----	-----	-----	1,549	-----	-----	-----	-----
Waterworks.....	100	136	-----	-----	-----	1,230	-----	196	-----	-----	211	298	110	-----	-----
Subcontractors.....	-----	985	-----	-----	-----	-----	-----	-----	-----	-----	500	7,666	45,000	-----	-----
Masonry.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	500	-----	-----	-----	-----
Painting and decorating.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	7,666	-----	-----	-----
Sheet-metal work.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	45,000	-----	-----
Sewer, gas, water, conduit.....	-----	985	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
FORT WAYNE	143,224	9,982	49,215	18,992	29,634	186,269	2,788	78,891	16,013	2,821	23,599	69,639	132,876	41,744	3,947
General contractors.....	143,224	9,982	49,215	14,682	29,634	188,269	2,788	66,661	10,346	2,821	23,843	10,784	9,428	17,700	3,947
Building.....	41,937	9,600	49,215	14,682	29,634	175,414	2,788	66,661	10,346	1,526	23,843	10,784	9,428	17,700	3,947
Building not specialized.....	41,562	9,600	48,765	13,782	29,634	155,914	1,538	62,189	10,150	1,376	22,843	10,784	9,428	17,700	3,947
Commercial building only.....	375	-----	450	900	-----	7,500	1,250	4,475	190	150	500	-----	-----	-----	-----
Residential building only.....	-----	-----	-----	-----	-----	12,000	-----	-----	-----	-----	-----	-----	-----	-----	-----
Highway.....	94,792	-----	-----	-----	-----	8,100	-----	-----	-----	-----	-----	-----	-----	-----	-----
Railroad.....	6,495	382	-----	-----	-----	4,755	-----	-----	-----	1,295	-----	-----	-----	-----	-----
Subcontractors.....	-----	-----	-----	4,310	-----	-----	-----	12,230	5,067	-----	256	58,855	123,448	24,044	-----
Painting and decorating.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	58,855	-----	-----	-----
Plastering and lathing.....	-----	-----	-----	4,310	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Roofing and sheet-metal work.....	-----	-----	-----	-----	-----	-----	-----	-----	5,067	-----	-----	-----	123,448	1,800	-----
Roofing.....	-----	-----	-----	-----	-----	-----	-----	-----	5,067	-----	-----	-----	63,147	1,800	-----
Sheet-metal work.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	256	-----	60,301	-----	-----
Flooring, n. e. s.....	-----	-----	-----	-----	-----	-----	-----	12,230	-----	-----	-----	-----	-----	22,244	-----
GARY	55,255	2,280	1,014	-----	160	36,174	104,230	28,156	1,335	1,020	7,943	31,192	37,815	-----	289
General contractors.....	55,255	2,280	1,014	-----	160	24,692	104,230	23,040	1,335	1,020	4,013	-----	-----	-----	289
Building.....	16,672	2,280	1,014	-----	160	23,213	104,230	23,040	1,335	1,020	3,938	-----	-----	-----	289
Building not specialized.....	16,672	2,280	1,014	-----	160	23,213	104,230	23,040	1,335	1,020	3,938	-----	-----	-----	289
Commercial building only.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Residential building only.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Highway.....	37,258	-----	-----	-----	-----	979	-----	-----	-----	-----	-----	-----	-----	-----	-----
Street paving.....	1,325	-----	-----	-----	-----	500	-----	-----	-----	-----	-----	-----	-----	-----	-----
Subcontractors.....	-----	-----	-----	-----	-----	11,482	-----	5,116	-----	-----	3,030	31,192	37,815	-----	-----
Carpentering and wood flooring.....	-----	-----	-----	-----	-----	11,232	-----	5,116	-----	-----	530	-----	-----	-----	-----
Painting and decorating.....	-----	-----	-----	-----	-----	250	-----	-----	-----	-----	-----	8,668	-----	-----	-----
Glass and glazing.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	22,224	-----	-----	-----
Sheet-metal work.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	2,500	-----	300	37,815	-----	-----

CONSTRUCTION—INDIANA

TABLE 11.—COST OF MATERIAL FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929—Con.

CLASSIFICATION OF ESTABLISHMENTS	Reinforcing steel	Cast iron, miscellaneous, excluding pipe	Metal doors, windows, and trim	Metal and wire lath and furring	Ornamental metal work	Lumber, rough and finished	Laths, shingles, and shakes	Mill-work	Composition board	Water-proofing materials	Hardware, rough and finished	Paints, varnishes, and glass	Roofing and sheet metal	Finished flooring n. e. s.	Screens, shades, awnings, etc.
INDIANAPOLIS	\$250,030	\$10,587	\$68,507	\$49,848	\$18,580	\$446,147	\$4,038	\$192,273	\$28,009	\$4,079	\$38,894	\$143,154	\$573,599	\$56,255	\$7,605
Operative builders.....	100	1,391				54,374		17,000	1,500	200	5,801	0,600	4,600	3,500	1,528
General contractors.....	249,430	9,176	68,507	48,927	18,580	388,273	4,038	165,273	7,619	3,879	82,714	75,874	49,346	46,755	0,077
Building.....	185,869	1,836	68,507	48,927	18,560	356,264	4,038	165,273	7,619	1,869	79,484	75,774	49,346	46,755	0,077
Building not specialized.....	185,869	1,836	67,718	48,927	17,860	290,793	1,068	144,372	6,619	696	74,683	62,144	30,174	45,105	3,886
Commercial building only.....			249			1,177									
Residential building only.....			540		700	64,294	2,375	20,901	1,000	1,000	4,801	13,630	13,172	1,650	2,191
Highway.....	25,120					3,021									
Bridge and culvert.....	15,844					22,837				2,010	500	100			
Street paving.....	22,597	1,402				534					40				
Sewer, gas, water, conduit.....		4,938				1,600									
Dredging, river, harbor, etc.....		1,000				270									
Railroad.....						2,047					2,690				
Subcontractors.....	500			921		3,500			18,890		379	80,680	519,753	6,000	
Electrical.....											200				
Heating and plumbing.....													28,326		
Heating and piping.....													28,326		
Masonry.....	500					2,500					179		1,039		
Painting and decorating.....												60,680			
Roofing and sheet-metal work.....						1,000			18,890				490,388	6,000	
Roofing.....									18,890				300,407	6,000	
Sheet-metal work.....						1,000							129,341		
Roofing and sheet metal combined.....														60,640	
Marble and tiling.....				921											
SOUTH BEND	188,753	7,801	33,800	5,183	7,600	162,150	18,145	234,292	74,007	6,595	42,800	88,637	225,837	7,749	
Operative builders.....	900		300	400	1,000	92,000		69,000	43,500	1,500	11,000				
General contractors.....	137,853	7,801	33,300	261	6,600	70,150		165,292	4,100	2,300	31,800	3,032	6,663	3,549	
Building.....	135,209	6,000	33,300	261	6,600	69,366		165,292	4,100	2,300	31,800	3,032	6,663	3,549	
Building not specialized.....	135,209	6,000	33,300	261	6,600	69,366		165,292	4,100	2,300	31,800	3,032	6,663	3,549	
Street paving.....	2,044	1,801				784									
Subcontractors.....				4,522			18,145		20,407	2,795		85,606	219,174	4,200	
Heating and plumbing.....													11,000		
Heating and piping.....													11,000		
Painting and decorating.....												73,767			
Plastering and lathing.....				4,522				1,650	380						
Roofing and sheet-metal work.....							18,000		24,757	2,415		11,838	208,174	4,200	
Roofing.....							18,000		24,757	2,415		11,838	61,446	4,200	
Sheet-metal work.....													116,728		
Marble and tiling.....							145								

CLASSIFICATION OF ESTABLISHMENTS	Heating and vent- ilating equip- ment	Plumbing and gas fitting equip- ment	Electrical appliances and suppl- ies	Eleva- tors, dumb- waiters, etc.	Pipe: Drain, tile, vitrified, concrete, etc.	Pipe: Cast-iron, sheet and tube steel, etc.	Wire, cable, guards, and fencing	Bitumi- nous paving mate- rials	Wood piling and timber	Ma- ch- n- ery	Freight, haul- ing, or truck- ing to job	Chem- icals, and chem- ical prod- ucts	Metal prod- ucts, n. e. s.	Mineral prod- ucts (non- metal- lic), n. e. s.	Miscal- lane- ous ¹
INDIANA	\$1,828,737	\$2,227,754	\$1,661,407	\$50,545	\$592,573	\$1,318,375	\$16,744	\$626,256	\$9,328	\$4,800	\$92,275	\$2,681	\$1,984,083	\$11,867	\$309,661
Operative builders.....	6,900	9,000	4,000		1,740	450									4,300
General contractors.....	127,866	151,061	80,881	25,491	461,345	258,020	16,744	602,164	9,328	4,800	90,588	2,681	33,887	7,740	273,667
Building.....	127,866	134,880	85,467	25,491	19,390	4,100	1,228	10,649			6,748	400	5,240	5,230	119,576
Building not specialized.....	115,463	116,270	73,117	22,991	18,870	3,100	1,228	10,649			6,748	400	5,094	5,230	111,461
Commercial building only.....	2,268	728			332										2,332
Manufacturing building only.....						1,000									
Residential building only.....	10,135	17,852	12,350	2,500	188								146		5,783
Highway.....					101,572	10,850		299,088			60,013	1,220		2,510	10,288
Bridge and culvert.....		2,859	1,233		870	11,017	2,207	870	8,029		3,645		560		80,668
Street paving.....		4,703			34,775	1,483	755	291,557			8,836	1,061			33,408
Sewer, gas, water, conduit.....		8,500			271,198	191,479	300				10,701				10,000
Waterworks.....		119	181		329	39,121				4,800					10,653
Dredging, river, harbor, etc.....					32,437		1,404						28,007		84
Railroad.....					774				1,269		645				
Subcontractors.....	1,691,971	2,067,693	1,570,526	55,054	69,488	1,059,905		24,092			1,687		1,950,106	4,117	31,586
Carpentering and wood flooring.....								24,000							5,800
Concreting.....								92							
Electrical.....			1,257,155			3,500									
Elevator construction.....				55,054											
Heating and plumbing.....	1,038,105	1,777,141	82,371		34,320	61,290									7,650
Heating and piping.....	1,244,872	684,074	49,300		19,369	39,840									7,650
Plumbing.....	220,132	919,700	33,071		13,458	7,445									
Plumbing and heating combined.....															
Masonry.....	173,601	172,458			1,493	14,005									
Roofing and sheet-metal work.....			3,000								1,637			4,117	11,072
Roofing.....	53,866	38,875											2,105		6,282
Sheet-metal work.....	12,427	34,875											2,105		1,282
Roofing and sheet metal combined.....	39,481	4,000													5,000
Marble and tiling.....	1,958														
Excavating.....					3,000								10,091		781
Sewer, gas, water, conduit.....		23,677			32,168	7,115									
Metal work, n. e. s.....		228,000	228,000			888,000							1,938,000		

See footnotes at end of first section.

TABLE 11.—COST OF MATERIAL FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929—Con.

CLASSIFICATION OF ESTABLISHMENTS	Heating and ventilating equipment	Plumbing and gas fitting equipment	Electrical appliances and supplies	Elevators, dumb-waiters, etc.	Pipe: Drain tile, vitrified, concrete, etc.	Pipe: Cast-iron, sheet and tube steel, etc.	Wire, cable, guards, and fencing	Bituminous paving materials	Wood piling and timber	Machinery	Freight hauling or trucking to job	Chemicals and chemical products	Metal products, n. e. s.	Mineral products (non-metallic), n. e. s.	Miscellaneous ¹
EVANSVILLE	¹⁶ \$200,027	¹⁶ \$183,809	¹⁷ \$150,694		\$17,314	\$2,664					\$3,645				\$7,936
Operative builders.....	1,900		1,000		190										
General contractors.....	10,450	27,577	12,610		1,789	2,121					3,645				336
Building.....	10,450	27,458	12,420		1,460	2,000									336
Building not specialized.....	10,450	27,458	12,420		1,460	2,000									336
Bridge and culvert.....											3,645				
Waterworks.....		110	181		829	121									
Subcontractors.....	187,677	156,032	137,084		15,335	543									7,600
Electrical.....			137,084												
Heating and plumbing.....	187,677	142,457			2,706										7,600
Heating and piping.....	171,787	80,771			1,500										7,600
Plumbing.....	15,890	55,680			1,206										
Sewer, gas, water, conduit.....		13,676			12,029	543									
FORT WAYNE	¹⁶ \$185,653	¹⁶ \$341,916	153,018	\$4,380	78,735	12,611	\$6,764	\$24,617	\$1,209		5,344				28
General contractors.....	2,950	1,717	919	4,380	78,735	4,350	6,764	24,617	1,209		5,344				28
Building.....	2,950	1,717	919	4,380	5,805		1,160				5,344				
Building not specialized.....	2,950	1,717	919	4,380	5,805		1,160				5,344				
Highway.....					45,024	4,350	4,200								
Street paving.....								1,950							
Dredging, river, harbor, etc.....					20,442			22,007							
Railroad.....					774		1,404		1,200						28
Subcontractors.....	182,703	340,100	152,097			8,261									
Electrical.....			103,097												
Heating and plumbing.....	173,587	335,549	49,000			8,261									
Heating and piping.....	138,104	104,105	40,000												
Plumbing.....	23,241	210,338				2,205									
Plumbing and heating combined.....	12,182	15,106				5,000									
Roofing and sheet-metal work.....	9,116	4,650													
Roofing.....		4,650													
Sheet-metal work.....	9,116														
GARY	24,371	29,336	58,674		1,182						29,245		\$1,260		2,308
General contractors.....		63			1,182						29,245		1,260		2,308
Building.....		63									41		1,260		2,123
Building not specialized.....		63									41		1,260		2,123
Highway.....					1,182						29,204				185
Subcontractors.....	24,371	29,273	58,674												
Electrical.....			58,674												
Heating and plumbing.....	13,006	25,273													
Plumbing.....	7,400	15,001													
Plumbing and heating combined.....	5,606	7,272													
Sheet-metal work.....	11,865	4,000													
INDIANAPOLIS	¹ \$84,173	¹ \$48,453	516,078	57,554	139,585	39,842	4,440	324,215			6,269	\$400	10,237	\$4,117	\$6,489
Operative builders.....	5,000	9,000	3,000												4,390
General contractors.....	9,059	13,445	17,050	2,500	128,273	10,890	4,440	324,215			4,582	400	146		68,880
Building.....	9,059	9,810	17,050	2,500	8,220			3,451			178	400	146		32,423
Building not specialized.....			5,600		7,700			3,451			178	400			24,597
Commercial building only.....					352										2,043
Residential building only.....	9,059	9,810	11,450	2,500	188							146			5,738
Highway.....					8,752		4,140	251,802							804
Bridge and culvert.....								400							31,866
Street paving.....		3,035			9,276	1,483					3,759				4,293
Sewer, gas, water, conduit.....					96,030	15,413	300	69,562							
Dredging, river, harbor, etc.....					5,905										
Railroad.....											645				
Subcontractors.....	670,114	526,008	496,023	55,054	11,312	22,946					1,687		10,091	4,117	13,204
Electrical.....			493,023			3,500									
Elevator construction.....				55,054											
Heating and plumbing.....	647,351	510,508			11,312	19,446									
Heating and piping.....	590,731	283,587			3,250	11,667									
Plumbing.....	11,319	174,499			8,062	4,250									
Plumbing and heating combined.....	45,301	62,422				3,539									
Masonry.....			3,000								1,687			4,117	7,886
Roofing and sheet-metal work.....	22,763	15,500													5,000
Roofing.....	7,763	15,500													5,000
Sheet-metal work.....	15,000												10,091		368
Marble and tiling.....															
SOUTH BEND	62,113	149,161	70,749	500	64,290	47,472		64,968		\$4,800				4,000	\$4,298
General contractors.....				500	31,861	40,000		64,968		4,800				4,000	33,870
Building.....				500	1,000	1,000								4,000	
Building not specialized.....				500	1,000	1,000								4,000	
Street paving.....								64,968							14,217
Sewer, gas, water, conduit.....					30,861										19,553
Waterworks.....						39,000			4,800						428
Subcontractors.....	62,113	149,161	70,749		22,429	7,472									
Electrical.....			70,749												
Heating and plumbing.....	62,113	123,209			2,890	900									
Heating and piping.....	30,000														
Plumbing.....	31,019	118,105			2,890	900									
Plumbing and heating combined.....	1,094	10,104													
Roofing and sheet-metal work.....		10,850													
Roofing.....		10,850													
Marble and tiling.....															428
Sewer, gas, water, conduit.....		10,102			19,539	6,572									

See footnotes at end of first section.

CONSTRUCTION—INDIANA

TABLE 12.—NUMBER OF AND VOLUME OF BUSINESS REPORTED BY ESTABLISHMENTS DOING A CONSTRUCTION BUSINESS OF LESS THAN \$25,000 IN 1929, PERCENTAGE OF TOTAL NUMBER OF KNOWN ESTABLISHMENTS, AND AVERAGE VOLUME PER ESTABLISHMENT

TYPES OF WORK	INDIANA 1930 population, 3,238,503								EVANSVILLE 1930 population, 102,240			FORT WAYNE 1930 population, 114,946		
	Known contracting establishments				Volume of business reported				Total number active in 1929	Volume of business		Total number active in 1929	Volume of business	
	Total number	Inactive in 1929	Active in 1929		Number of reporting establishments	Per cent of active	Amount	Average per establishment		Number of reporting establishments	Amount		Number of reporting establishments	Amount
			Number	Per cent										
Total establishments canvassed (less than \$25,000).....	3,035	166	2,869					56			225			
Total establishments, type of work unknown.....	158	10	148					3			2			
Total general and subcontractors classified.....	2,877	156	2,721	100.0				53			223			
Total general contractors classified.....	718	66	652	24.0	183	28.1	1,714,761	9,370	3		42	10	\$114,095	
Building.....	596	52	544	20.0	151	27.8	1,414,522	9,368	1		39	10	114,095	
Highway.....	95	12	83	3.1	18	21.7	207,994	11,555	2		1			
Bridge and culvert.....	13	1	12	.4	8	66.7	41,120	5,140						
Sewer, gas, water, conduit.....	10	1	9	.3	4	44.4	20,125	6,531			2			
Dam and reservoir.....	4		4	.1	2	50.0	25,000	12,500						
Total subcontractors classified.....	2,159	90	2,069	76.0	706	34.1	5,202,360	7,369	50	23	\$176,636	181	27	275,427
Carpentering.....	200	21	179	6.6	74	41.3	438,606	5,927			7	3	34,916	
Concreting.....	115	5	110	4.0	43	39.1	209,065	4,833			6			
Electrical.....	234	10	224	8.2	69	30.8	567,914	8,231	6	2	20,918	24	4	25,285
Elevator.....	3		3	.1	1	33.3	10,179	10,179						
Heating, piping, and ventilating.....	443	9	434	16.0	113	26.0	840,768	7,440	15	4	30,026	20	2	32,784
Masonry.....	83	4	79	2.9	40	60.6	276,482	6,912			8	1	8,542	
Painting and decorating.....	268	14	254	9.3	77	30.3	323,598	4,982	1		45	6	41,854	
Glass and glazing.....	9	1	8	.3	5	62.5	50,779	11,956			1	1	28,000	
Plastering.....	74	5	69	2.5	26	37.7	138,704	5,335			11	1	7,000	
Plumbing and heating.....	484	15	469	17.2	151	32.2	1,487,551	9,861	14	8	65,414	41	8	100,096
Sheet metal and roofing.....	163	6	157	5.8	84	53.5	586,815	6,986	9	8	30,273	6	1	2,000
Steel erection.....	4		4	.1	1	25.0	20,948	20,948						
Stone work.....	11		11	.4	2	18.2	19,500	9,760						
Marble and tiling.....	30		30	1.1	9	30.0	115,349	12,817	5	1	21,000	3		
Wrecking.....	7		7	.3	1	14.3	2,000	2,000			2			
Excavating and grading.....	10		10	.4	5	50.0	16,000	3,200			1			
Ornamental iron.....	18		18	.7	3	16.7	14,706	4,902			5			
Street paving.....	3		3	.1	2	66.7	13,496	6,748						

TYPES OF WORK	GARY 1930 population, 100,426			INDIANAPOLIS 1930 population, 364,161			SOUTH BEND 1930 population, 104,193			REMAINDER OF STATE 1930 population, 2,452,528		
	Total number active in 1929	Volume of business		Total number active in 1929	Volume of business		Total number active in 1929	Volume of business		Total number active in 1929	Volume of business	
		Number of reporting establishments	Amount		Number of reporting establishments	Amount		Number of reporting establishments	Amount		Number of reporting establishments	Amount
	Total establishments canvassed (less than \$25,000).....	61			395			66			2,066	
Total establishments, type of work unknown.....	1			101						41	8	\$57,100
Total general and subcontractors classified.....	60			294			66			2,025		
Total general contractors classified.....	15	2	\$20,000	75	4	\$58,000	4	2	\$41,000	513	165	1,481,066
Building.....	14	2	20,000	68	4	58,000	3	1	18,000	419	134	1,203,827
Highway.....	1			6			1	1	23,000	72	17	184,994
Bridge and culvert.....				1						11	8	41,120
Sewer, gas, water, conduit.....										7	4	20,125
Dam and reservoir.....										4	2	25,000
Total subcontractors classified.....	45	18	204,754	219	55	404,911	62	17	199,850	1,512	560	4,000,782
Carpentering.....	1	1	7,464	3	1	5,000	1			167	69	391,226
Concreting.....										102	43	209,985
Electrical.....	5	1	13,556	18	7	75,000	13	3	17,430	158	52	415,775
Elevator.....	1									1		
Heating, piping, and ventilating.....	7			91	17	107,034	6	1	8,071	295	89	662,853
Masonry.....				10	3	21,416				61	36	246,524
Painting and decorating.....	7	5	49,890	8	2	3,446	3			190	64	288,408
Glass and glazing.....	1			4	2	18,825				2	2	17,954
Plastering.....	1			4	1	10,865				53	24	120,839
Plumbing and heating.....	7	5	76,235	47	8	83,215	25	9	78,972	335	113	1,083,619
Sheet metal and roofing.....	6	2	16,000	20	12	51,162	7	3	20,377	109	58	457,998
Steel erection.....				2	1	20,948				7	2	
Stone work.....	1			3	1	8,000				2	1	11,500
Marble and tiling.....	3	2	27,954	4			2	1	15,000	13	5	51,395
Wrecking.....	1									4	1	2,000
Excavating and grading.....										8	5	16,000
Ornamental iron.....										2	2	11,230
Street paving.....	4	1	3,476	5			2			3	2	13,496

CONSTRUCTION—INDIANA

TABLE 13.—ESTABLISHMENTS (WHOSE BUSINESS WAS LESS THAN \$25,000 IN 1929) WHICH REPORTED THEIR VOLUME OF CONSTRUCTION WORK, CLASSIFIED BY RANGE OF VOLUME OF BUSINESS

CLASSIFICATION	Total	Less than \$2,500	\$2,500 to \$4,999	\$5,000 to \$7,499	\$7,500 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$17,499	\$17,500 to \$19,999	\$20,000 to \$22,499	\$22,500 to \$24,999
INDIANA											
Total general and subcontractors.....	897	225	153	126	101	98	39	52	36	30	28
General contractors.....	183	20	28	24	22	28	8	12	14	10	8
Subcontractors.....	706	193	123	102	79	69	31	39	22	28	20
Type of contracting unknown.....	8	3	2			1		1		1	

IOWA

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CONSTRUCTION—IOWA

TABLE 1.—VALUE OF CONSTRUCTION BUSINESS DURING 1929, AND PRINCIPAL ITEMS OF EXPENDITURE

[Values expressed in thousands]

AREA, CLASSIFICATION OF ESTABLISHMENTS, AND SIZE OF BUSINESS GROUPS	Number of establishments	VALUE OF CONSTRUCTION BUSINESS				PRINCIPAL EXPENDITURES			AREA, CLASSIFICATION OF ESTABLISHMENTS, AND SIZE OF BUSINESS GROUPS	Number of establishments	VALUE OF CONSTRUCTION BUSINESS				PRINCIPAL EXPENDITURES		
		Total	Under general contractor directly for owner	Under sub-contract	Sub-contract work let	Wages paid	Cost of materials	Total			Under general contractor directly for owner	Under sub-contract	Sub-contract work let	Wages paid	Cost of materials		
IOWA	486	\$76,782	\$70,717	\$6,065	\$8,122	\$13,795	\$30,042	IOWA—Continued									
<i>Counties and principal city</i>								<i>Size of business groups</i>									
Counties:								General contractors ¹	320	\$64,085	\$63,709	\$370	\$7,825	\$15,779	\$24,161		
Allamakee	3	66	60	30	7	17	43	\$25,000 to \$49,999	105	3,866	3,530	30	513	959	1,460		
Black Hawk	35	5,106	4,302	714	724	1,184	2,320	\$50,000 to \$99,999	103	7,061	6,888	173	1,212	1,911	2,422		
Boone	4	268	263	---	24	82	30	\$100,000 to \$199,999	51	6,786	6,715	41	858	1,805	2,370		
Buena Vista	4	165	165	---	29	30	48	\$200,000 to \$499,999	35	10,620	10,503	120	948	2,822	4,479		
Cerro Gordo	10	1,427	1,304	123	354	250	539	\$500,000 to \$999,999	12	8,710	8,710	---	1,183	1,960	3,821		
Clinton	11	806	675	131	19	229	375	\$1,000,000 and over	12	27,056	---	---	3,111	6,328	9,608		
Des Moines	11	708	640	68	87	104	316										
Dubuque	28	2,781	2,442	339	484	607	944	Building contractors ¹	171	20,131	20,059	72	3,716	5,450	8,358		
Emmet	3	101	101	---	5	50	27	\$25,000 to \$49,999	60	2,192	2,191	1	305	520	686		
Floyd	4	131	90	32	7	23	70	\$50,000 to \$99,999	64	4,314	4,209	15	773	1,066	1,830		
Hamilton	4	482	367	115	3	167	154	\$100,000 to \$199,999	26	3,343	3,335	8	640	796	1,379		
Hardin	9	734	517	217	35	220	219	\$200,000 to \$499,999	15	4,533	4,535	48	804	1,289	1,810		
Jasper	10	580	425	164	80	134	224	\$500,000 to \$999,999	4	2,768	2,768	---	647	869	1,078		
Johnson	5	413	393	20	60	117	193	\$1,000,000 and over	2	2,930	2,930	---	367	961	1,274		
Lee	16	3,038	2,726	312	631	445	981	Subcontractors	166	12,097	7,008	5,090	297	3,017	5,881		
Linn	45	4,371	3,715	656	531	1,187	1,745	\$25,000 to \$49,999	88	3,207	1,580	1,621	5	920	1,396		
Mahaska	3	115	113	2	5	27	52	\$50,000 to \$99,999	55	3,570	1,517	2,053	31	922	1,602		
Marshall	9	1,054	1,054	---	130	358	864	\$100,000 to \$199,999	16	2,070	622	1,457	86	453	979		
Montgomery	4	303	283	20	3	101	145	\$200,000 to \$499,999	0	1,560	1,007	559	---	336	667		
Polk	66	16,537	15,024	913	1,292	3,619	8,151	\$500,000 to \$999,999	1	2,276	---	---	175	345	1,246		
Pottawattamie	21	1,942	1,648	294	189	510	720	\$1,000,000 and over	1	2,276	2,276	---	---	---	---		
Scott	45	18,943	18,413	530	1,880	5,023	5,350										
Sioux	4	280	---	---	48	52	47	DES MOINES	65	16,472	15,500	911	1,290	3,601	8,126		
Story	4	573	573	---	35	199	193	<i>Classification of establishments</i>									
Wapello	12	739	680	59	15	250	313	General contractors	37	12,113	12,065	49	1,100	2,781	5,890		
Webster	6	537	462	75	75	129	241	Building	13	3,490	3,447	43	330	1,009	1,650		
Winnebago	4	206	133	73	---	60	35	Highway	10	6,595	6,595	---	717	1,108	3,440		
Winneshiek	4	303	363	10	21	97	158	Bridge and culvert	5	904	904	---	15	251	286		
Woodbury	39	8,840	7,914	926	371	2,159	3,910	Street paving	4	740	741	5	3	202	340		
Wright	3	165	165	---	0	51	52	Other classes ²	5	378	378	---	29	151	68		
Other counties ¹	60	4,360	4,126	234	492	1,129	1,508	Subcontractors	28	4,358	3,495	863	190	820	2,235		
Principal city ²	66	16,472	15,500	911	1,290	3,601	8,126	Electrical	3	450	422	34	---	94	260		
<i>Classification of establishments</i>								Heating and plumbing	11	766	411	355	15	198	366		
Operative builders	3	171	171	---	62	37	50	Heating and piping ³	5	343	163	180	---	71	182		
General contractors	317	63,913	63,537	370	7,768	15,742	24,111	Plumbing and heating combined	6	423	248	175	15	127	184		
Building	168	19,000	10,837	72	3,654	5,413	8,308	Roofing and sheet-metal work	7	538	323	215	---	99	242		
Building not specialized	135	17,718	17,046	72	3,181	4,943	7,366	Marble and tiling	3	112	20	83	---	28	45		
Commercial building only	8	740	740	---	181	328	328	Other classes ⁴	4	2,487	2,310	177	175	401	1,322		
Residential building only	25	1,501	1,501	---	372	200	613	Size of business groups									
Highway	43	22,639	22,616	23	2,712	4,362	10,143	General contractors	37	12,113	12,065	49	1,100	2,781	5,890		
Bridge, culvert, and railroad	30	13,478	13,418	60	964	3,851	3,080	\$25,000 to \$49,999	1	40	40	---	---	18	---		
Grading	28	1,830	1,667	173	227	656	---	\$50,000 to \$99,999	14	962	955	7	138	235	337		
Street paving	27	4,227	4,192	35	159	977	1,992	\$100,000 to \$199,999	5	670	670	---	14	197	230		
Sewer, gas, water, conduit	6	712	---	---	10	212	198	\$200,000 to \$499,999	9	2,303	2,267	41	190	553	1,087		
Dam, reservoir, and waterworks	4	174	162	12	18	45	54	\$500,000 to \$999,999	5	3,823	3,823	---	240	844	2,132		
Other classes ⁵	5	894	893	1	19	226	337	\$1,000,000 and over									

CONSTRUCTION—IOWA

TABLE 2.—CONSTRUCTION BUSINESS OF REPORTING ESTABLISHMENTS DURING 1929, BY CLASS OF OWNERSHIP AND BY TYPE OF WORK

CLASS OF OWNERSHIP AND TYPE OF CONSTRUCTION WORK	CONSTRUCTION BUSINESS REPORTED BY—						CLASS OF OWNERSHIP AND TYPE OF CONSTRUCTION WORK	CONSTRUCTION BUSINESS REPORTED BY—						
	All classes of establishments		General contractors ¹		Subcontractors			All classes of establishments		General contractors ¹		Subcontractors		
	Number reporting	Value	Number reporting	Value	Number reporting	Value		Number reporting	Value	Number reporting	Value	Number reporting	Value	
IOWA						IOWA—Continued								
All construction business.....	486	\$76,781,795	320	\$64,084,716	166	\$12,697,079	All business under subcontract—Continued.							
Distribution not reported.....	31	2,607,197	10	1,317,234			Distributed by class—Contd.							
Distributed by class of ownership.....	455	74,174,598	310	62,707,482	145	11,407,116	Roofing and sheet-metal work.....	4	\$125,328		4	\$125,328		
Private.....	331	33,477,316	196	25,878,289	135	7,599,027	Roofing.....	15	783,008		14	(?)		
Quasi public or community.....	108	3,020,324	51	2,212,403	57	807,921	Sheet-metal work.....	12	382,317		12	(?)		
Public.....	257	37,676,958	187	34,076,790	70	3,000,168	Roofing and sheet metal combined.....	8	83,400		3	83,400		
Distribution not reported.....	27	2,202,605	17	1,078,668	10	223,937	Steel erection.....	4	70,503		2	(?)		
Distributed by class of public ownership.....	230	35,474,353	170	32,608,122	60	2,776,231	Marble and tiling.....	9	307,774		9	307,774		
Federal.....	19	1,150,620	12	1,062,620	7	88,001	Wrecking.....	1	480,240		1	480,240		
State.....	120	23,838,190	101	22,780,849	19	1,057,341	Excavating.....	13	7		7	\$80,385		
County or township.....	99	4,211,553	75	3,817,119	24	304,434	Highway.....	5	138,338		3	126,014		
Municipal.....	118	6,278,990	78	5,037,625	43	1,236,365	Grading.....	5	134,028		3	145,452		
All business under general contract or directly for owners.....	418	70,710,675	317	63,700,163	101	7,007,512	DES MOINES							
Distribution not reported.....		845,603	2	845,603			All construction business.....	65	10,471,732		37	12,113,495	28	4,368,237
Distributed by class.....	416	70,371,072	315	63,363,560	101	7,007,512	Distribution not reported.....	6	576,522		1	57,163	5	519,359
Building.....	283	26,173,220	187	21,893,330	96	4,279,890	Distributed by class of ownership.....	59	15,805,210		36	12,056,332	23	3,838,878
Distribution not reported.....	21	2,535,689	16	2,330,704	5	204,925	Private.....	30	4,839,270		16	2,445,319	23	2,393,957
Distributed by class.....	262	23,637,531	171	19,562,566	91	4,074,965	Quasi public or community.....	16	683,538		5	400,014	11	225,624
Commercial.....	160	7,074,126	111	6,421,381	49	652,745	Public.....	39	10,369,396		31	9,160,000	8	1,219,397
Educational.....	92	2,656,862	50	2,187,832	42	469,030	Distribution not reported.....	6	642,550		5	508,088	1	44,462
Hotel.....	20	130,781	7	84,524	19	46,267	Distributed by class of public ownership.....	33	9,726,840		20	8,552,011	7	1,174,835
Hospital and institutional.....	36	390,891	12	279,970	24	110,915	Federal.....	7	707,527		4	634,783	3	72,744
Manufacturing.....	53	1,761,842	31	1,531,783	22	230,059	State.....	22	7,205,019		10	6,941,096	3	263,323
Military and naval.....	3	30,675	2	870,578	1	44,344	County or township.....	8	888,737		6	975,532	2	838,768
Public: Courts, jails, etc.....	37	884,747	16	554,436	21	72,009	Municipal.....	15	1,455,593		9			
Religious and memorial.....	47	626,445	25	4,242,493	70	1,512,800	All business under general contract or directly for owners.....	55	15,560,330		37	12,064,000	18	3,495,436
Residential.....	166	5,755,353	126	4,463,040	14	62,862	Building.....	32	4,674,474		15	3,482,364	17	1,192,110
Social and recreational.....	29	515,892	16	403,040	5	44,935	Distribution not reported.....	5	277,235		4	247,126	1	30,109
Air transport.....	4	18,078	3		1		Distributed by class.....	27	4,397,239		11	3,235,238	16	1,162,001
Rail and water transportation.....	12	2,399,323	10	2,372,466	2	44,935	Commercial.....	16	1,887,537		8	1,669,334	8	218,203
Miscellaneous.....	68	1,392,516	42	554,057	26	838,459	Educational.....	11	386,680		6	334,084	5	52,605
Highway and street.....	108	27,932,087	105	27,840,976	3	91,111	Hotel.....	4	12,034		1	(?)	4	12,034
Public works and utilities.....	94	6,793,236	80	5,920,911	14	872,325	Hospital and institutional.....	4	6,664		1	(?)	3	(?)
Distribution not reported.....	1	55,419	1	55,419			Manufacturing.....	7	324,945		3	180,077	4	144,868
Distributed by class.....	93	6,737,817	79	5,865,492	14	872,325	Military and naval.....	2	669,997		1	665,083	1	4,014
Bridge, tunnel, etc.....	50	4,077,088	47	3,941,238	3	135,850	Public: Courts, jails, etc.....	6	91,962		1	(?)	5	(?)
Central station, light and power plant.....	11	958,411	7	602,062	4	356,349	Religious and memorial.....	16	427,828		5	137,927	11	289,001
Dock, pier, retaining wall, etc.....	3	17,263	1	468,026	2	210,851	Social and recreational.....	5	31,889		1	(?)	4	(?)
Flood control, irrigation, and land drainage.....	12	661,614	10	43,508	3	1,800	Air transport.....	2	171,434		1	106,131	1	391,563
Park, grounds, etc.....	12	45,308	9	672,730	3	22,632	Rail and water transportation.....	2	386,260		1	166,131	1	4
Sewage disposal and drainage.....	23	695,362	20	672,730	3	22,632	Miscellaneous.....	6	7,260,160		17	7,260,160		
Water supply.....	9	246,672	8		1		Highway and street.....	17	1,947,748		9	(?)	2	(?)
River and harbor improvement.....	2	29,493	2	137,928		144,843	Public works and utilities.....	11	1,533,211		6			
Telephone line and system.....	1	6,606	1		1		Bridge, tunnel, etc.....	7	362,827		2			
Miscellaneous.....	3	102,871	2	7,668,273	2	7,756	Central station, light and power plant.....	2	362,827		2			
Water-power development.....	4	7,573,158	4	40,070	7	1,756,430	Sewage disposal and drainage.....	2	362,827		2			
Air transport work.....	6	1,796,500	7		7		Water supply.....	2	1,321,945		1	625,803		
Railroad and car line.....	14						River and harbor improvement.....	1			1			
Miscellaneous, n. e. s.....	14						Flood control, irrigation, and land drainage.....	1	51,710		1			
All business under subcontract.....	162	6,065,120	30	375,553	132	5,689,567	Miscellaneous.....	1			1			
Distribution not reported.....	3	103,522	29	375,553	129	5,586,045	Railroad and car line.....	1	1,677,948		1	(?)	1	(?)
Distributed by class.....	159	5,961,598	30	375,553	129	5,586,045	Air transport work.....	1			1			
Carpentering and wood flooring.....	5	50,719	4	3,210	1	47,500	Miscellaneous, n. e. s.....	2			2			
Soundproofing.....	1						All business under subcontract.....	22	911,396		3	48,595	10	862,801
Flooring, n. e. s.....	1						Carpentering and wood flooring.....	1			1			
Concreting.....	16	558,183	10	109,848	6	448,335	Painting and decorating.....	1	87,713		1	48,595	1	264,212
Electrical.....	23	797,839	23	797,839	23	797,839	Steel erection.....	1			1			
Elevator construction.....	2	273,382				273,382	Roofing and sheet-metal work.....	6	225,094		1			
Ornamental iron.....	1						Electrical.....	3	64,530		3	64,530		
Metal work, n. e. s.....	1						Heating and plumbing.....	4	316,483		4	316,483		
Heating and plumbing.....	26	1,731,271				1,731,271	Heating and piping.....	4			4			
Heating and piping.....	1	576,306				576,306	Plumbing and heating combined.....	1	246,409		1	246,409		
Automatic temperature control.....	1						Automatic temperature control.....	1			1			
Pipe covering.....	0	22,548				22,548	Plumbing.....	4	70,074		4	70,074		
Plumbing.....	32	724,434				724,434	Stonework.....	1			1			
Plumbing and heating combined.....	12	407,983				407,983	Marble and tiling.....	5	217,576		5	217,576		
Masonry.....	7	313,563	3	3,372	4	310,191								
Stonework.....	2													
Painting and decorating.....	10	232,725				232,725								

¹ Includes operative builders.
² Value omitted in order to avoid disclosing individual operations. The amounts omitted are, however, included in the respective totals.

CONSTRUCTION—IOWA

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TABLE 3.—CONSTRUCTION BUSINESS DURING 1929, BY LOCATION

CLASSIFICATION OF ESTABLISHMENTS	Establishments reporting	IOWA			CLASSIFICATION OF ESTABLISHMENTS	Establishments reporting	DES MOINES		
		Total	In home city	In home State			Total	In home city	In home State
IOWA	475	\$73,974,886	\$23,154,905	\$49,394,730	\$24,580,158				
Operative builders.....	3	171,224	171,224	171,224					
General contractors.....	308	61,294,701	16,257,284	40,027,543	21,267,248				
Building.....	162	17,767,475	12,941,880	15,493,856	2,263,610				
Building not specialized.....	129	15,515,660	10,973,361	13,368,454	2,157,202				
Commercial building only.....	8	740,473	503,173	634,066	106,417				
Residential building only.....	25	1,501,346	1,465,346	1,601,346					
Highway.....	43	22,630,030	710,268	15,280,633	7,358,387				
Bridge, culvert, and railroad.....	36	13,477,741	306,242	2,825,633	10,662,058				
Grading.....	28	1,840,516	178,001	1,702,055	127,461				
Street paving.....	25	3,840,821	1,670,174	3,170,184	670,637				
Sewer, gas, water, conduit.....	0	711,076		664,868	46,808				
Dam, reservoir, and water-works.....	3	144,120		120,958	23,162				
Other classes ¹	5	894,412	23,780	769,296	125,116				
Subcontractors.....	164	12,508,871	6,726,487	9,195,963	3,312,008				
Concreting.....	5	458,594	34,395	133,594	325,000				
Elevator construction.....	8	423,050	13,988	65,800	357,793				
Electrical.....	22	1,520,131	1,146,534	1,497,334	22,797				
Heating and plumbing.....	67	4,109,380	3,280,000	3,867,317	239,069				
Heating and piping ²	20	1,341,162	1,163,850	1,330,162	5,000				
Plumbing.....	21	1,248,782	881,845	1,048,213	200,569				
Plumbing and heating combined.....	20	1,516,442	1,240,290	1,482,042	33,500				
Masonry and stonework.....	6	250,393	171,370	220,434	6,959				
Painting and decorating.....	11	472,623	465,098	468,423	4,200				
Plastering and lathing.....	4	142,064	80,784	128,714	13,950				
Subcontractors—Continued:									
Roofing and sheet-metal work.....	29	\$1,060,987	\$1,265,935	\$1,539,497	\$121,490				
Roofing.....	19	1,136,248	768,684	1,016,118	120,130				
Sheet-metal work.....	7	410,341	408,910	408,910	1,360				
Roofing and sheet metal combined.....	3	114,398	92,332	114,398					
Marble and tiling.....	6	260,710	133,452	215,015	45,701				
Excavating and grading.....	6	724,373		415,236	309,137				
Metal work, n. e. s. ³	3	2,347,606	76,745	540,987	1,806,709				
Other classes ⁴	3	160,662	45,700	103,552	57,100				
DES MOINES	62	15,952,987	4,122,757	11,666,896	4,296,072				
General contractors.....	35	11,727,466	2,727,265	9,281,069	2,446,397				
Building.....	13	3,490,042	2,308,804	2,530,587	959,455				
Highway.....	10	6,595,180	274,764	5,495,167	1,100,013				
Bridge and culvert.....	5	903,842	78,607	563,721	340,121				
Grading.....	3	213,391		213,391					
Other classes ⁵	4	625,011	5,000	478,203	46,808				
Subcontractors.....	27	4,225,501	1,395,492	2,375,826	1,849,675				
Electrical.....	3	456,464	216,464	456,464					
Heating and plumbing.....	11	765,942	620,923	759,942	6,000				
Heating and piping ²	5	343,310	245,300	343,310					
Plumbing and heating combined.....	6	422,623	375,623	416,623	6,000				
Roofing and sheet-metal work.....	7	557,599	414,760	512,593	24,916				
Marble and tiling.....	3	111,768	63,814	94,708	17,050				
Other classes ⁶	3	2,353,828	79,531	552,119	1,801,709				

- ¹ Includes levee; central station, light and power plant; and telephone line and system.
- ² Includes automatic temperature control.
- ³ Includes steel erection.
- ⁴ Includes carpentering and wood flooring, and highway.
- ⁵ Includes street paving; sewer; gas, water conduit; and waterworks.
- ⁶ Includes elevator construction; painting and decorating; and metal work, n. e. s.

TABLE 4.—CONSTRUCTION BUSINESS OUTSIDE HOME STATE, BY LOCATION

STATE	LOCATION REPORTED BY—			STATE	LOCATION REPORTED BY—		
	All classes of establishments	General contractors	Subcontractors		All classes of establishments	General contractors	Subcontractors
IOWA				IOWA—Continued			
Total distributed by State ¹	\$24,580,158	\$21,267,248	\$3,312,008	Texas.....	\$538,749	\$535,516	\$3,233
Arkansas.....	408,180	408,180		Vermont.....	18,175	18,175	
District of Columbia.....	23,259		23,259	Virginia.....	1,152		1,152
Florida.....	20,226	20,226		Washington.....	1,000		1,000
Illinois.....	6,185,534	5,600,917	524,617	Wisconsin.....	486,175	446,367	39,808
Indiana.....	1,051,346	1,044,417	6,929	Wyoming.....	12,082	8,324	3,758
Kansas.....	207,356	252,140	45,216	Other States, n. s.....	2,460,818	598,193	1,862,625
Kentucky.....	107,698	102,568	5,130				
Louisiana.....	30,398	20,999	399	DES MOINES			
Maryland.....	1,503		1,503	Total distributed by State ²	4,296,072	2,446,397	1,849,675
Massachusetts.....	4,573		4,573	Arkansas.....	267,173	267,173	
Michigan.....	502,217	373,988	128,229	Illinois.....	436,028	436,028	2,400
Minnesota.....	454,404	420,913	33,581	Indiana.....	127,785	127,785	
Mississippi.....	2,000	2,000		Kansas.....	126,876	126,876	
Missouri.....	2,401,880	1,992,697	409,283	Louisiana.....	29,999	29,999	
Montana.....	82,500	82,500		Michigan.....	41,148	41,148	
Nebraska.....	163,680	100,365	63,315	Minnesota.....	120,848	120,848	
New Jersey.....	45,459	38,908	6,551	Missouri.....	620,080	620,080	
New York.....	4,745,715	4,690,057	48,763	Nebraska.....	31,450	25,000	6,450
North Carolina.....	2,526		2,526	South Dakota.....	38,728	38,728	
North Dakota.....	110,449	108,449	2,000	Tennessee.....	40,145	40,145	
Ohio.....	2,423,639	2,392,173	31,466	Texas.....	35,000	35,000	
Oklahoma.....	33,331		33,331	Texas.....	28,200	28,200	8,200
Pennsylvania.....	161,468	160,068	1,375	Wisconsin.....	2,352,662	620,037	1,832,625
South Dakota.....	813,420	701,129	62,291	Other States, n. s.....			
Tennessee.....	40,145	40,145					

- Number of establishments reporting:
- ¹ All classes, 113; general contractors, 69; subcontractors, 44.
- ² All classes, 20; general contractors, 13; subcontractors, 7.

TABLE 5.—NUMBER AND SALARIES OF PROPRIETORS, FIRM MEMBERS, AND SALARIED EMPLOYEES: 1929

CLASSIFICATION OF ESTABLISHMENTS	Estab-lish-ments reporting	PROPRIETORS AND FIRM MEMBERS			SALARIED EMPLOYEES									Sex not re-ported
		Re-ceiving no sal-ary	Receiving salaries		All salaried employees		Officers and clerical staff		Superintendents, foremen, etc.		Number reported, by sex			
			Num-ber	Total annual salaries	Total num-ber	Total annual salaries	Num-ber	Total annual salaries	Num-ber	Total annual salaries	Total	Male	Fe-male	
IOWA.....	474	341	201	\$688,399	1,162	\$2,898,597	570	\$1,519,464	592	\$1,370,133	993	851	142	169
Operative builders.....	3	4	2	10,607	5	5,506	4	2,806	1	2,700	3	1	2	2
General contractors.....	311	244	128	398,719	815	2,268,791	357	1,140,612	458	1,109,179	680	611	69	135
Building.....	164	129	71	229,209	254	704,405	140	403,043	114	301,362	222	187	35	32
Building not specialized.....	131	97	63	207,645	235	672,465	126	382,603	109	289,862	205	177	28	30
Commercial building only.....	8	7	4	10,400	7	9,800	7	9,800	7	9,800	5	3	2	2
Residential building only.....	25	25	4	11,164	12	22,140	7	10,640	5	11,500	12	7	5	2
Highway.....	49	27	16	56,630	254	745,073	104	379,099	150	365,974	226	216	10	28
Bridge, culvert, and railroad.....	34	25	16	50,200	141	465,137	49	201,830	92	263,307	74	67	7	67
Grading.....	23	34	8	17,383	45	76,350	13	25,831	32	50,519	44	41	3	1
Street paving.....	27	17	12	30,397	60	165,720	34	96,844	35	68,876	62	56	7	7
Sewer, gas, water, conduit.....	0	7	1	4,000	14	32,983	1	1,604	13	31,379	14	13	1	-----
Dam, reservoir, and waterworks.....	4	4	-----	-----	8	10,009	-----	210	7	9,799	8	7	1	-----
Other classes ¹	5	1	2	11,000	30	69,114	15	41,151	15	27,963	30	25	5	-----
Subcontractors.....	160	93	78	229,073	342	625,300	209	367,046	133	258,254	310	239	71	32
Concreting.....	5	10	-----	-----	6	15,020	2	4,100	4	10,920	6	5	1	-----
Electrical.....	20	10	5	16,695	50	108,056	41	83,505	9	24,551	47	33	14	3
Elevator construction.....	3	-----	-----	-----	9	20,025	4	5,360	5	14,665	9	8	1	-----
Heating and plumbing.....	64	32	40	115,994	96	191,421	78	145,755	17	45,686	88	60	28	7
Heating and piping ²	18	4	14	38,280	33	67,844	27	47,569	9	20,275	28	20	8	5
Plumbing.....	20	13	11	28,057	32	63,691	23	45,446	9	18,245	31	21	10	1
Plumbing and heating combined.....	28	15	15	49,657	30	69,886	28	52,740	2	7,146	29	19	10	1
Masonry and stonework.....	6	9	-----	-----	6	24,220	3	14,280	3	6,040	6	6	-----	-----
Painting and decorating.....	11	4	5	10,200	19	38,316	10	12,529	9	25,787	19	12	7	-----
Plastering and lathing.....	4	3	1	1,900	5	10,160	2	3,280	3	6,880	5	4	1	-----
Roofing and sheet-metal work.....	29	14	12	34,720	89	189,269	59	80,876	30	58,393	67	54	13	22
Roofing.....	19	7	6	13,800	66	99,099	46	63,460	20	35,639	51	42	9	15
Sheet-metal work.....	7	5	5	16,920	15	30,699	9	13,339	6	17,360	12	10	2	3
Roofing and sheet metal combined.....	3	2	1	4,000	3	9,471	4	4,077	4	5,394	4	2	2	4
Marble and tiling.....	6	2	5	20,750	6	9,580	3	6,320	3	3,260	6	5	1	-----
Excavating and grading.....	6	4	3	8,177	21	40,487	5	8,905	16	31,582	21	19	2	-----
Metal work, n. e. s. ³	3	1	2	20,737	34	25,276	2	2,136	32	23,140	34	32	2	-----
Other classes ⁴	3	4	-----	-----	2	3,470	-----	-----	2	3,470	2	1	1	-----
DES MOINES.....	63	33	35	151,742	263	572,277	127	312,567	136	259,710	245	225	20	18
General contractors.....	36	20	22	98,108	170	421,883	85	230,579	85	101,304	154	143	11	10
Building.....	13	6	13	63,008	52	117,380	33	75,302	19	42,078	51	47	4	1
Highway.....	10	3	4	13,200	76	197,976	35	102,497	41	95,479	69	68	1	7
Bridge and culvert.....	4	-----	4	17,900	20	56,120	8	29,920	12	26,200	12	9	3	8
Street paving.....	4	2	-----	-----	11	28,260	6	17,360	5	10,900	11	10	1	-----
Other classes ⁵	5	9	1	4,000	11	22,147	3	5,500	8	16,647	11	9	2	-----
Subcontractors.....	27	13	13	53,634	93	160,394	42	81,988	51	68,406	91	82	9	2
Electrical.....	3	1	-----	-----	8	19,200	6	14,000	2	5,200	8	7	1	-----
Heating and plumbing.....	10	5	4	9,072	16	33,441	12	20,107	4	13,334	14	8	6	2
Heating and piping ²	4	-----	2	2,840	8	19,379	6	10,665	2	8,714	6	3	3	2
Plumbing and heating combined.....	6	5	2	6,232	8	14,062	6	9,442	2	4,620	8	5	3	-----
Roofing and sheet-metal work.....	7	7	5	13,200	24	42,381	16	26,281	8	16,100	24	22	2	-----
Marble and tiling.....	3	-----	2	10,625	4	6,260	1	3,000	3	3,260	4	4	-----	-----
Other classes ⁶	4	-----	2	20,737	41	49,112	7	18,600	34	30,512	41	41	-----	-----

¹ Includes levee, central station, light and power plant; and telephone line and system.
² Includes automatic temperature control.
³ Includes steel erection.
⁴ Includes carpentering and wood flooring; and highway.
⁵ Includes grading; sewer, gas, water, conduit; and waterworks.
⁶ Includes elevator construction; painting and decorating; stonework; and metal work, n. e. s.

TABLE 6.—VALUE OF CONSTRUCTION EQUIPMENT, IN COMPARISON WITH CONSTRUCTION BUSINESS AND WAGES PAID DURING 1929

CLASSIFICATION OF ESTABLISHMENTS AND PERCENTAGE OF EQUIPMENT OWNED	Establishments reporting	EQUIPMENT		Value of construction business reported	Wages paid	CLASSIFICATION OF ESTABLISHMENTS AND PERCENTAGE OF EQUIPMENT OWNED	Establishments reporting	EQUIPMENT		Value of construction business reported	Wages paid
		Purchased during the year	Inventory value at end of year					Purchased during the year	Inventory value at end of year		
IOWA	443	\$2,464,713	\$7,692,770	\$73,751,548	\$18,041,550	IOWA—Continued.					
<i>Classification of establishments</i>						<i>Percentage of equipment owned—Continued</i>					
General contractors ¹	294	2,158,094	6,586,914	61,965,055	15,214,879	Subcontractors.....	149	\$306,619	\$1,105,856	\$11,786,493	\$2,769,701
Building.....	153	184,287	562,535	18,762,325	5,079,898	None.....	1			156,135	28,172
Building not specialized ¹	124	171,199	784,162	16,645,892	4,616,668	1% to 25%.....	2	26,442	8,263	83,784	28,726
Commercial building only.....	6	5,062	48,130	622,937	154,346	26% to 50%.....	1				
Residential building only.....	23	8,035	30,243	1,433,496	278,984	51% to 75%.....	1	328	2,164	135,120	23,713
Highway.....	43	1,096,956	2,512,247	22,659,030	4,361,910	76% to 99%.....	6	982	12,199	317,574	86,257
Bridge, culvert, and railroad.....	33	375,967	1,167,649	13,349,135	3,829,936	100%.....	131	230,614	1,024,299	10,874,293	2,537,596
Grading.....	27	310,563	971,518	1,777,093	639,529	Not reported.....	4	23,923	61,894	239,576	91,267
Street paving.....	24	105,976	796,692	3,836,772	856,647						
Sewer, gas, water, conduit.....	6	38,194	155,274	711,676	211,886						
Dam, reservoir, and waterworks.....	4	15,600	66,300	174,170	44,854	DES MOINES	56	435,074	1,363,103	15,751,977	3,877,795
Other classes ²	4	30,461	81,702	774,874	160,219	<i>Classification of establishments</i>					
Subcontractors.....	149	306,619	1,105,856	11,786,493	2,769,701	General contractors.....	32	384,227	1,117,805	11,627,010	2,614,078
Concreting.....	5	13,167	86,541	458,594	145,347	Building.....	9	18,694	194,472	3,218,555	943,767
Electrical.....	18	27,891	48,683	1,371,596	271,673	Highway.....	10	322,093	648,209	6,593,196	1,367,738
Heating and plumbing.....	60	41,714	144,944	3,741,679	888,094	Bridge and culvert.....	1	29,595	71,874	995,812	1,233,887
Heating and piping ³	19	9,692	56,262	1,271,296	267,747	Street paving.....	3	7,066	160,060	531,029	192,063
Plumbing.....	18	22,530	49,901	1,085,035	262,460	Other classes ⁴	5	11,962	103,756	378,492	150,683
Plumbing and heating combined.....	23	9,492	38,781	1,385,348	357,887	Subcontractors.....	24	50,847	245,298	4,124,967	763,717
Masonry and stonework.....	6	2,925	114,510	363,129	114,997	Electrical.....	3	2,023	10,449	456,464	94,667
Painting and decorating.....	10	2,598	36,589	435,977	194,793	Heating and plumbing.....	10	2,527	18,769	696,076	148,642
Plastering and lathing.....	4	756	2,012	142,664	66,180	Heating and piping ³	4	1,075	8,807	274,453	61,891
Roofing and sheet-metal work.....	27	20,225	95,981	1,532,066	312,818	Plumbing and heating combined.....	6	1,452	9,962	423,624	126,751
Roofing.....	19	16,344	74,326	1,136,248	115,699	Roofing.....	6	3,662	14,708	462,566	71,069
Sheet-metal work.....	8	3,881	21,655	395,818	197,119	Other classes ²	5	42,635	201,372	2,569,918	410,309
Marble and tiling.....	5	2,344	55,105	217,969	70,102	<i>Percentage of equipment owned⁵</i>					
Excavating and grading.....	6	117,328	408,506	724,373	164,225	General contractors.....	32	384,227	1,117,805	11,627,010	2,614,078
Metal work, n. e. s. ⁶	3	42,038	86,251	2,347,666	363,001	76% to 99%.....	4	26,412	33,867	365,782	80,176
Other classes ⁴	5	35,633	56,734	550,816	208,471	100%.....	27	327,330	1,028,618	10,755,462	2,450,721
<i>Percentage of equipment owned</i>						Not reported.....	1	40,485	55,380	500,766	83,181
General contractors ¹	294	2,158,094	6,586,914	61,965,055	15,214,879	Subcontractors.....	24	50,847	245,298	4,124,967	763,717
None.....	1			85,000	15,000	None.....	2	225	2,600	116,245	45,934
1% to 25%.....	1	250	750	34,000	7,328	76% to 99%.....	2	225	2,600	116,245	45,934
26% to 50%.....	2	400	1,600	116,000	14,000	100%.....	22	50,622	242,698	4,008,722	727,783
51% to 75%.....	4	2,216	18,998	258,276	77,733	Not reported.....					
76% to 99%.....	29	388,618	1,400,334	14,782,985	3,842,671						
100%.....	251	1,720,345	5,090,428	45,818,522	11,074,931						
Not reported.....	6	46,265	74,804	870,272	182,916						

¹ Includes operative builders.
² Includes levee; central station, light and power plant; and telephone line and system.
³ Includes automatic temperature control.
⁴ Includes steel erection.
⁵ Includes carpentering and wood flooring; elevator construction; and highway.
⁶ Includes grading; sewer, gas, water, conduit; and waterworks.
⁷ Includes painting and decorating; stonework; marble and tiling; and metal work, n. e. s.
⁸ For complete classification see tabulation for State, above.

TABLE 7.—WAGE EARNERS, BY MONTHS, AND WAGES PAID DURING 1929

CLASSIFICATION OF ESTABLISHMENTS AND LENGTH OF WORKING WEEK	Establishments reporting	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY												Wages paid during year
		January	February	March	April	May	June	July	August	September	October	November	December	
IOWA	431	5,326	5,264	6,395	9,350	13,231	15,348	16,482	17,110	16,765	14,976	11,785	7,632	\$17,302,659
<i>Classification of establishments</i>														
General contractors ¹	286	4,184	4,123	5,092	7,760	11,454	13,416	14,516	15,031	14,745	12,994	9,977	6,296	14,414,846
Building.....	158	1,972	1,751	2,020	2,681	3,245	3,738	4,127	4,058	4,054	4,173	3,904	2,938	5,179,068
Building not specialized ¹	129	1,838	1,635	1,922	2,409	2,945	3,418	3,802	3,742	3,727	3,897	3,691	2,807	4,786,264
Commercial building only.....	7	47	42	83	106	118	118	109	118	84	67	34	67	138,890
Residential building only.....	23	67	74	115	164	195	202	267	267	209	192	146	96	254,795
Highway.....	37	392	299	452	1,528	3,653	4,370	4,639	5,156	5,017	3,728	2,144	907	3,752,076
Bridge, culvert, and railroad.....	33	1,647	1,822	2,177	2,612	2,885	3,356	3,532	3,584	3,421	2,887	2,671	1,919	3,824,760
Grading.....	23	42	59	128	331	536	601	614	605	698	534	413	219	504,209
Street paving.....	22	53	67	145	384	887	996	1,260	1,261	1,240	1,237	488	101	811,615
Sewer, gas, water, conduit.....	6	98	68	112	145	156	191	198	212	229	278	188	99	211,886
Dam, reservoir, and waterworks.....	3	21	8	7	9	16	18	32	56	57	40	46	25	36,413
Other classes ²	3	59	49	51	70	76	146	114	103	119	117	93	87	94,219
Subcontractors.....	152	1,142	1,141	1,303	1,590	1,777	1,932	1,966	2,079	2,020	1,984	1,808	1,416	2,787,812
Concreting.....	3	40	44	39	113	167	167	148	167	174	134	77	27	126,794
Electrical.....	21	153	130	141	139	134	135	146	158	161	173	156	166	288,566
Elevator construction.....	3	33	52	51	51	39	35	47	50	46	60	57	89	120,971
Heating and plumbing.....	61	422	411	398	456	479	515	535	571	588	570	533	470	844,860
Heating and piping ³	17	104	101	89	110	115	110	121	138	153	155	153	138	232,018
Plumbing.....	20	150	155	155	168	171	211	215	294	204	185	172	129	266,777
Plumbing and heating combined.....	24	168	155	154	178	193	194	169	229	231	220	208	203	365,785

See footnotes at end of table.

TABLE 7.—WAGE EARNERS, BY MONTHS, AND WAGES PAID DURING 1929—Continued

CLASSIFICATION OF ESTABLISHMENTS AND LENGTH OF WORKING WEEK	Estab-lishments reporting	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY												Wages paid during year
		January	February	March	April	May	June	July	August	September	October	November	December	
IOWA—Continued.														
<i>Classification of establishments—Con.</i>														
Subcontractors—Continued.														
Masonry and stonework	6	43	42	74	90	102	106	98	94	76	94	72	50	\$114,997
Painting and decorating	10	63	56	98	99	148	147	125	129	111	107	87	65	195,631
Plastering and lathing	4	15	12	23	42	31	69	62	42	49	43	46	20	66,180
Roofing and sheet-metal work	27	135	149	201	237	257	247	270	266	277	294	256	187	327,173
Roofing	18	69	85	128	163	183	171	185	187	189	201	169	103	189,814
Sheet-metal work	6	45	44	49	51	53	55	65	54	60	69	65	64	103,065
Roofing and sheet metal combined	3	21	20	24	23	21	21	20	25	22	24	22	20	33,694
Marble and tiling	7	40	49	50	36	37	46	48	62	56	53	63	68	92,843
Excavating	4	40	18	32	77	110	141	159	193	176	168	174	107	133,235
Metal work, n. e. s. ¹	3	141	164	181	187	208	253	271	298	268	261	213	175	363,001
Other classes ²	3	17	14	15	63	65	71	57	49	38	37	34	10	73,841
<i>Length of working week</i>														
General contractors ¹	286	4,184	4,123	5,092	7,760	11,454	13,416	14,516	15,031	14,745	12,994	9,977	6,206	14,414,840
40-hour, 5-day week	1				2	3	15	20	18	9	4	2		10,000
45-hour, 5-day week														
50-hour, 5-day week														
All other 5-day week														
44-hour, 5½-day week	82	1,460	1,224	1,401	1,794	2,132	2,439	2,610	2,607	2,714	2,793	2,631	2,021	3,584,580
49½-hour, 5½-day week														
55-hour, 5½-day week														
All other 5½-day week	3	23	20	32	43	82	79	99	92	83	103	108	97	128,706
43-hour, 6-day week	25	123	94	172	284	311	340	419	403	351	362	318	241	402,725
48-hour, 6-day week	18	196	185	167	343	405	649	722	642	571	571	473	390	609,818
54-hour, 6-day week	120	2,155	2,350	3,073	4,623	6,084	8,225	8,800	9,254	8,878	7,385	5,344	2,069	7,972,028
60-hour, 6-day week	22	108	186	152	489	1,170	1,300	1,512	1,522	1,558	1,460	930	373	1,201,169
All other 6-day week	3	68	38	71	119	178	216	219	243	258	185	101	83	210,366
All other not designated	6	21	8	24	58	99	153	106	250	223	131	61	41	210,854
Not reported														
Subcontractors	152	1,142	1,141	1,303	1,500	1,777	1,932	1,964	2,079	2,020	1,984	1,808	1,416	2,787,812
40-hour, 5-day week	4	16	16	15	18	22	25	33	29	23	27	27	23	49,872
45-hour, 5-day week														
50-hour, 5-day week														
All other 5-day week														
44-hour, 5½-day week	95	720	692	754	838	884	949	957	994	976	971	929	800	1,563,619
49½-hour, 5½-day week	1	18	18	20	20	24	25	26	27	26	25	23	20	52,000
55-hour, 5½-day week														
All other 5½-day week	1	5	9	4	8	7	7	6	5	6	6	7	7	7,044
48-hour, 6-day week	21	103	115	123	141	153	149	153	151	156	174	163	141	270,348
54-hour, 6-day week	8	40	42	46	48	45	58	62	67	77	77	73	67	77,547
60-hour, 6-day week	17	72	83	109	206	395	426	410	456	438	405	337	152	348,991
All other 6-day week	3	162	161	195	213	236	284	307	338	305	289	241	199	308,049
All other not designated	1	4	3	4	5	6	6	6	6	6	6	6	5	12,842
Not reported	1	2	2	3	3	5	6	6	6	6	6	2	2	7,200
DES MOINES														
<i>Classification of establishments</i>														
General contractors	35	508	517	658	1,224	2,039	2,332	2,724	3,210	3,282	3,212	2,093	1,043	2,661,784
Building	12	263	265	200	371	446	464	608	698	710	765	658	507	990,413
Highway	10	124	124	217	588	1,209	1,359	1,460	1,841	1,869	1,714	1,037	360	1,167,738
Bridge and culvert	5	94	103	119	197	217	269	313	310	304	299	206	132	250,887
Street paving	3	4	4	4	10	65	120	215	205	235	313	85	4	102,063
Other classes ²	5	23	21	19	58	102	120	128	147	158	121	107	40	150,983
Subcontractors	24	283	328	365	379	404	440	466	517	501	491	434	372	739,470
Heating and plumbing	11	85	83	77	89	84	85	90	103	118	115	115	106	197,682
Heating and piping ³	5	27	26	24	30	29	30	30	39	47	43	44	37	70,931
Plumbing and heating combined	6	58	57	53	59	55	60	64	71	72	71	69	69	126,751
Roofing	5	21	27	53	55	60	51	55	58	57	61	54	37	63,764
Marble and tiling	3	13	22	19	16	15	11	11	19	19	16	18	20	28,487
Other classes ⁷	5	164	196	216	219	245	293	310	337	307	299	247	209	449,587
<i>Length of working week⁸</i>														
General contractors	35	508	517	658	1,224	2,039	2,332	2,724	3,210	3,282	3,212	2,093	1,043	2,661,784
40-hour, 5-day week	11	262	268	287	361	434	447	598	686	710	761	636	467	968,853
48-hour, 6-day week	2	5	11	16	20	32	37	40	42	36	44	32	44	31,660
54-hour, 6-day week	1	12	12	10	18	15	16	20	41	35	28	49	14	35,885
60-hour, 6-day week	17	216	221	298	632	1,320	1,549	1,808	2,035	2,050	1,993	1,191	491	1,263,704
All other 6-day week	3	13	15	32	113	190	208	242	234	301	320	180	27	225,050
Not reported	1			15	30	48	75	16	172	150	76	5		130,732
Subcontractors	24	283	328	365	379	404	440	466	517	501	491	434	372	739,470
40-hour, 5-day week	2	10	10	10	10	12	9	11	10	10	12	9	10	22,299
44-hour, 5½-day week	15	99	110	108	113	109	101	112	126	127	132	126	126	241,404
49½-hour, 5½-day week	1	18	18	20	20	24	25	26	27	26	25	23	20	52,000
48-hour, 6-day week	1	11	14	15	17	15	15	12	11	14	15	15	15	23,230
54-hour, 6-day week	2	10	14	20	16	12	15	12	18	26	21	18	17	16,361
60-hour, 6-day week	2	6	10	26	29	37	35	37	39	41	41	36	19	89,334
All other 6-day week	1	129	152	168	174	195	240	256	286	257	260	201	165	344,842

¹ Includes operative builders.
² Includes levee; central station, light and power plant; and telephone line and system.
³ Includes automatic temperature control.
⁴ Includes steel erection.
⁵ Includes carpentering and wood flooring; highway; and grading.
⁶ Includes grading; sewer, gas, water, conduit; and waterworks.
⁷ Includes electrical; elevator construction; stonework; and metal work, n. e. s.
⁸ For complete classification see tabulation for State, above.

CONSTRUCTION—IOWA

TABLE 8.—EXPENDITURES OF REPORTING ESTABLISHMENTS: 1929

CLASSIFICATION OF ESTABLISHMENTS	Establishments reporting	Value of construction business reported	PRINCIPAL ITEMS OF EXPENDITURE			OTHER ITEMS OF EXPENDITURE							
			Subcontract work let	Wages paid	Cost of materials	Salaries		Rent for		Interest	Contract bond premiums	Compensation and liability insurance premiums	All other overhead expenses
						Proprietors and firm members	Employees	Equipment	Offices, etc.				
IOWA	416	\$64,393,367	\$6,723,000	\$15,935,307	\$25,524,602	\$589,879	\$2,489,719	\$158,927	\$210,684	\$304,571	\$400,220	\$434,137	\$5,802,973
General contractors ¹	263	52,845,046	6,427,000	13,212,643	20,023,983	374,006	1,915,735	151,240	101,501	258,485	379,342	437,805	4,964,207
Building.....	153	18,748,667	3,486,000	5,119,186	7,770,190	234,816	946,722	4,922	37,997	86,631	85,005	115,295	398,330
Building not specialized ²	125	16,683,477	3,031,000	4,672,375	6,902,420	215,752	614,782	4,242	31,666	58,768	81,443	107,994	364,413
Commercial building only.....	8	740,473	101,000	180,924	328,455	10,400	9,800	527	1,048	3,495	2,864	3,734	20,543
Residential building only.....	20	1,324,717	304,000	265,837	539,315	8,664	22,140	153	4,383	24,370	698	3,567	13,374
Highway.....	33	15,201,630	1,733,000	2,893,301	7,103,857	56,580	507,008	82,591	35,128	79,385	191,600	97,788	1,270,347
Bridge, culvert, and railroad.....	32	13,277,424	949,000	3,804,165	2,989,195	50,200	473,236	15,052	8,714	16,524	44,928	130,732	2,567,737
Grading.....	14	879,559	103,000	281,652	5,200	35,539	21,619	3,272	8,188	12,930	8,323	288,137	
Street paving.....	20	3,181,148	159,000	703,029	1,582,740	23,860	141,124	16,005	7,748	49,610	36,768	20,825	215,268
Sewer, gas, water, conduit.....	4	637,624	10,000	184,728	137,517	4,000	32,983	230	981	13,741	6,478	8,399	104,018
Dam, reservoir, and waterworks.....	3	144,120	18,000	36,413	53,504	10,000	305	186	915	974	1,213	21,319	
Other classes ³	4	774,874	19,000	100,210	336,920	69,114	10,516	7,475	2,600	660	5,229	90,051	
Subcontractors.....	153	11,548,311	200,000	2,722,604	5,500,619	215,273	573,984	7,687	109,183	46,086	20,378	40,332	838,766
Concreting.....	3	178,594	-----	59,347	95,085	-----	2,100	300	-----	1,384	75	1,183	8,841
Electrical.....	22	1,520,131	-----	318,293	800,537	16,595	119,650	2,470	25,851	4,383	2,857	5,211	90,081
Elevator construction.....	3	423,650	-----	120,071	239,138	-----	20,025	-----	200	34	113	2,892	19,060
Heating and plumbing.....	60	3,647,968	21,000	855,006	1,990,270	169,994	170,527	115	41,781	17,957	9,636	11,521	208,347
Heating and piping ⁴	18	1,143,871	3,000	246,353	640,745	32,280	57,532	115	8,201	5,232	2,880	3,145	62,992
Plumbing.....	19	1,132,427	3,000	269,780	618,893	28,057	55,800	-----	15,283	8,852	3,222	4,437	82,422
Plumbing and heating combined.....	23	1,371,660	15,000	338,873	730,627	49,657	57,136	-----	18,297	3,873	3,534	3,930	63,433
Masonry and stonework.....	6	303,129	4,000	114,997	169,654	-----	24,220	-----	1,285	1,961	15	2,008	32,005
Painting and decorating.....	11	472,623	26,000	211,478	105,370	10,200	38,316	-----	8,482	1,193	35	4,197	20,532
Plastering and lathing.....	3	112,241	-----	48,884	31,386	1,900	10,100	-----	477	492	-----	778	1,539
Roofing and sheet-metal work.....	27	1,544,684	1,000	323,399	683,912	26,920	129,397	82	25,740	8,077	575	10,000	100,733
Roofing.....	18	1,094,945	1,000	186,040	514,128	13,800	94,047	52	15,493	7,218	15	8,133	148,361
Sheet-metal work.....	6	335,341	-----	103,665	129,015	9,120	24,979	-----	8,116	715	560	1,546	37,237
Roofing and sheet metal combined.....	3	114,398	-----	33,604	40,769	4,000	9,471	30	2,131	144	-----	871	5,135
Marble and tiling.....	7	316,188	-----	92,843	120,739	20,750	9,580	-----	3,880	786	280	633	25,231
Excavating and grading.....	5	460,769	98,000	121,510	1,433	8,177	21,263	4,720	742	4,842	1,302	4,497	151,657
Metal work, n. e. s. ⁵	3	2,347,690	175,000	368,001	1,273,090	26,737	25,276	-----	390	4,148	1,180	4,750	42,750
Other classes ⁶	3	100,652	1,000	92,965	-----	3,470	-----	-----	384	4,647	1,342	1,632	40,794
DES MOINES	55	15,489,462	1,260,000	3,249,870	7,802,993	141,442	553,846	47,513	58,993	87,878	121,059	85,982	748,229
General contractors.....	30	11,374,753	1,070,000	2,507,615	5,065,205	95,608	411,954	47,461	35,002	76,826	114,386	77,910	557,614
Building.....	11	3,350,720	812,000	980,979	1,580,224	60,508	107,927	60	10,720	27,152	23,103	20,101	68,980
Highway.....	10	6,595,180	717,000	1,167,738	3,440,265	13,200	197,976	46,063	21,130	36,892	76,500	47,124	337,097
Bridge and culvert.....	5	908,842	15,000	250,337	386,638	17,900	74,219	1,000	1,200	2,903	6,903	7,834	107,494
Other classes ⁶	4	525,011	26,000	103,011	258,678	4,000	31,832	338	1,952	9,879	7,875	2,851	44,043
Subcontractors.....	25	4,114,699	190,000	742,255	2,137,788	45,834	141,892	52	23,987	11,052	6,673	8,072	185,615
Electrical.....	3	460,404	-----	93,697	260,400	-----	19,200	-----	4,150	1,247	275	1,445	12,371
Heating and plumbing.....	9	597,404	15,000	147,618	297,987	9,072	30,659	-----	6,125	1,272	2,250	1,491	21,768
Heating and piping ⁴	5	343,319	-----	70,931	181,929	2,840	10,379	-----	3,045	829	750	664	14,045
Plumbing and heating combined.....	4	254,085	15,000	70,687	116,058	6,232	11,230	-----	3,080	443	1,500	827	7,713
Roofing.....	6	462,509	-----	71,069	211,798	5,400	36,661	52	7,238	5,679	-----	3,355	79,988
Marble and tiling.....	3	111,768	-----	28,487	45,136	10,625	6,260	-----	2,020	719	-----	231	10,481
Other classes ⁷	4	2,486,564	175,000	401,384	1,322,467	20,737	49,112	-----	4,454	2,135	4,148	1,550	61,017

¹ Includes operative builders.
² Includes levee; central station, light and power plant; and telephone line and system.
³ Includes automatic temperature control.
⁴ Includes steel erection.
⁵ Includes carpentering and wood flooring; and highway.
⁶ Includes street paving; sewer, gas, water, conduit; and waterworks.
⁷ Includes elevator construction; painting and decorating; stonework; and metal work, n. e. s.

CONSTRUCTION—IOWA

TABLE 9.—COST OF MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, BY KIND

KIND OF MATERIAL	COST OF MATERIALS REPORTED BY—				KIND OF MATERIAL	COST OF MATERIALS REPORTED BY—					
	All classes of establishments			General contractors ²		Subcontractors	All classes of establishments			General contractors ²	Subcontractors
	Amount	Per cent distribution	Per \$1,000 construction work done ¹				Amount	Per cent distribution	Per \$1,000 construction work done ¹		
IOWA					DES MOINES						
All kinds of material.....	\$30,042,309		\$437.55	\$24,161,373	\$5,880,936	All kinds of material.....	\$8,125,874		\$535.23	\$5,890,427	\$2,235,447
Distribution not reported.....	5,547,729	21.8		5,549,873	997,856	Distribution not reported.....	917,501	11.3		742,807	174,604
Distributed by kind.....	23,494,580	100.0		18,611,500	4,883,080	Distributed by kind.....	7,208,373	100.0		5,147,620	2,060,763
Sand, gravel, stone, slag, cinders, etc.	5,066,385	21.6	94.35	4,960,327	106,058	Sand, gravel, stone, slag, cinders, etc.	1,565,383	21.7	116.23	1,556,300	9,083
Brick (face, common, fire, paving, etc.)	755,872	3.2	14.08	714,318	41,554	Brick (face, common, fire, paving, etc.)	189,157	2.6	14.04	188,423	734
Tile (fireproofing)	113,637	0.5	2.12	113,637		Tile (fireproofing)	31,717	0.4	2.30	31,717	
Tile, facing, terra cotta, floor and wall	146,525	0.6	2.73	66,194	80,331	Tile, facing, terra cotta, floor and wall	38,959	0.5	2.89	3,614	35,345
Concrete and cinder block	59,703	0.3	1.11	53,403	6,300	Concrete and cinder block	1,372	(*)	1.10	1,372	
Cut stone, granite, and marble	289,412	1.2	5.39	207,274	82,138	Cut stone, granite, and marble	116,077	1.6	8.62	62,694	53,383
Riprap, rubble, etc.	5,294	(*)	1.10	3,371	1,923	Riprap, rubble, etc.	1,893	(*)	1.14		1,893
Cement	5,228,772	22.3	97.38	5,176,843	51,929	Cement	1,819,614	25.2	135.11	1,807,406	12,208
Lime	55,938	0.2	1.04	47,679	8,259	Lime	7,517	0.1	5.6	5,618	1,899
Plaster, etc.	88,347	0.4	1.65	76,699	11,648	Plaster, etc.	6,917	0.1	5.1	6,824	93
Structural steel	1,818,265	7.7	33.86	1,542,192	276,073	Structural steel	604,873	8.4	44.91	340,893	263,980
Reinforcing steel	1,389,444	5.9	25.88	1,357,450	31,994	Reinforcing steel	360,069	5.0	26.73	356,174	3,895
Cast iron, miscellaneous, excluding pipe	65,849	0.3	1.23	65,749	100	Cast iron, miscellaneous, excluding pipe	50,423	0.7	3.75	50,323	100
Metal doors, windows, and trim	185,838	0.8	3.46	177,252	8,586	Metal doors, windows, and trim	113,894	1.6	8.46	106,172	7,722
Metal and wire lath and furring	58,575	0.2	1.09	50,875	7,700	Metal and wire lath and furring	15,223	0.2	1.13	15,223	
Ornamental metal work	43,631	0.2	0.81	38,531	5,100	Ornamental metal work	531	(*)	0.04	531	
Lumber, rough and finished	1,470,010	6.3	27.33	1,423,607	46,403	Lumber, rough and finished	185,069	2.6	13.79	139,731	45,338
Lath, shingles, and shakes (wood)	589,496	2.5	10.58	588,283	1,213	Lath, shingles, and shakes (wood)	1,929	(*)	1.14	1,929	
Millwork	51,806	0.2	0.97	44,308	7,498	Millwork	84,076	1.2	6.24	84,076	
Composition board	39,780	0.2	0.74	33,308	6,472	Composition board	15,627	0.2	1.16	10,970	4,657
Waterproofing materials	86,747	0.4	1.04	109,577	22,830	Waterproofing materials	11,001	0.2	0.87	11,547	114
Hardware, rough and finished	256,212	1.1	4.77	132,811	123,401	Hardware, rough and finished	61,590	0.8	3.83	27,129	34,461
Paints, varnishes, glass	712,652	3.0	13.27	138,044	574,608	Paints, varnishes, glass	64,220	0.9	4.77	38,007	26,213
Roofing and sheet metal	72,432	0.3	1.35	72,432		Roofing and sheet metal	247,050	3.4	18.34	39,391	207,659
Finished flooring (other than cement, wood, or tile)	13,530	0.1	0.25	13,530		Finished flooring (other than cement, wood, or tile)	650	(*)	0.05	650	
Screens, shades, awnings, etc.	760,686	3.2	13.98	57,373	693,313	Screens, shades, awnings, etc.	1,098	(*)	0.08	1,098	
Heating and ventilating equipment	868,319	3.7	16.17	74,864	793,455	Heating and ventilating equipment	175,748	2.4	13.05	3,914	171,834
Plumbing and gas-fitting equipment	904,324	4.2	18.52	102,634	801,690	Plumbing and gas-fitting equipment	122,851	1.7	9.12	2,500	120,351
Electrical appliances and supplies	244,856	1.0	4.56	15,718	229,138	Electrical appliances and supplies	230,023	3.3	17.81	2,523	237,400
Elevators, dumb-waiters, and equipment	112,265	0.5	2.09	101,395	10,870	Elevators, dumb-waiters, and equipment	24,417	0.3	1.81		24,417
Pipe: Drain tile, vitrified, concrete, segment tile, corrugated	138,208	0.6	2.57	36,584	101,624	Pipe: Drain tile, vitrified, concrete, segment tile, corrugated	3,774	0.1	0.28	2,099	775
Pipe: Cast-iron, sheet and tube steel, etc.	60,483	0.3	1.12	59,045	1,438	Pipe: Cast-iron, sheet and tube steel, etc.	75,384	1.0	5.60	5,356	70,028
Bituminous paving materials, tar, asphalt, and oil	158,018	0.7	2.91	156,018		Bituminous paving materials, tar, asphalt, and oil	30,998	0.4	2.30	30,998	
Wood piling and timber	91,349	0.4	1.70	91,349		Wood piling and timber	9,224	0.1	0.69	9,224	
Ready-mixed concrete	13,923	0.1	0.20	13,923		Ready-mixed concrete	13,923	0.2	1.03	13,923	
Freight, hauling, or trucking to job	282,766	1.1	4.89	282,766		Freight, hauling, or trucking to job	103,334	1.4	7.68	103,334	
Chemicals and chemical products	8,278	(*)	0.15	8,278		Chemicals and chemical products	7,426	0.1	0.55	7,426	
Metal products, n. e. s. (including metal furniture)	741,066	3.2	13.80	2,402	738,664	Metal products, n. e. s. (including metal furniture)	736,564	10.2	54.69	77,824	736,564
Mineral products (nonmetallic) n. e. s.	5,392	(*)	0.10	1,027	4,365	Mineral products (nonmetallic) n. e. s.	77,628	1.1	5.76	77,628	104
Miscellaneous	207,436	0.9	3.86	202,450	4,986	Miscellaneous					

¹ The value of construction work done is obtained from figures presented in Table 1, by subtracting the value of subcontract work let from the total value of construction business.

² Includes operative builders.

³ The percentage of total cost shown for this item is high, because establishments located within this area reported that a large part of their construction work (on which this material was used) was done on contract outside this area.

⁴ Less than one-tenth of 1 per cent.

TABLE 10.—COMPARISON OF COST OF DESIGNATED MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, WITH COST OF MATERIALS AND VALUE OF CONSTRUCTION BUSINESS

[Based exclusively upon reports of establishments which gave the distributed cost of materials]

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL					Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL					Indicated per cent of all business done by own force ¹
	Cost of all materials distributed by kind	Amount	Per cent of—		Value of construction business			Cost of all materials distributed by kind	Amount	Per cent of—		Value of construction business	
			Total cost	Cost of all distributed materials						Total cost	Cost of all distributed materials		
IOWA							IOWA—Continued						
<i>Sand, gravel, stone, slag cinders, etc.¹</i>							<i>Cement—Continued</i>						
All classes.....	\$23,494,580	\$5,066,385	100.0	21.6	\$57,939,756	89.4	<i>Subcontractors—Continued.</i>						
General contractors ²	18,611,500	4,960,327	97.9	26.7	48,039,509	87.8	Masonry.....	\$89,798	\$9,187	0.1	6.9	\$169,239	98.0
Building.....	5,906,529	332,445	6.6	5.0	13,704,366	81.5	Plastering and lathing.....	29,318	833	(*)	(*)	112,664	100.0
Building not specialized ³	5,164,459	296,319	5.8	5.7	12,135,840	81.2	Roofing and sheet-metal work.....	\$ 608,035	25	(*)	(*)	\$ 1,337,263	99.9
Commercial building only.....	181,218	10,408	.2	5.7	369,747	86.4	Marble and tiling.....	120,739	16,681	.3	13.5	316,188	100.0
Manufacturing building only.....	135,950	6,000	.1	4.4	216,400	100.0	Metal work, n. e. s.....	1,246,011	8,908	.2	.7	2,276,212	92.4
Residential building only.....	424,902	19,721	.4	4.0	852,379	75.2	<i>Structural steel</i>						
Highway.....	7,944,110	3,602,356	71.1	45.3	17,182,151	88.0	All classes.....	\$23,494,580	\$1,818,265	100.0	7.7	\$57,939,756	89.4
Bridge and culvert.....	1,204,601	182,879	3.6	15.2	2,616,591	95.7	General contractors.....	\$18,561,078	\$1,542,192	84.8	8.3	\$47,923,285	87.9
Street paving.....	1,699,543	652,344	10.9	32.5	3,525,465	96.2	Building.....	5,856,105	336,297	48.0	14.3	13,588,142	81.7
Sewer, gas, water, conduit.....	156,076	11,992	.2	7.7	557,908	98.6	Building not specialized.....	5,114,035	769,593	42.3	15.1	12,019,616	81.4
Dam and reservoir.....	27,257	4,660	.1	17.1	92,877	97.6	Commercial building only.....	181,218	6,000	.3	3.3	369,747	86.4
Railroad.....	1,336,464	264,148	5.2	19.8	9,642,054	91.7	Manufacturing building only.....	135,950	55,000	3.0	40.5	216,400	100.0
Central station, light and power plant.....	333,500	8,000	.2	2.4	689,297	100.0	Residential building only.....	424,902	5,404	.3	1.3	982,379	75.2
Telephone line and system.....	3,420	1,500	(*)	43.9	28,800	62.1	Highway.....	7,944,110	33,282	2.1	.5	17,182,151	89.0
Subcontractors.....	\$ 4,883,080	106,058	2.1	2.2	\$ 9,900,247	97.7	Bridge and culvert.....	1,204,601	394,573	21.7	32.8	2,616,591	95.7
Concreting.....	125,085	76,585	1.5	61.2	359,395	100.0	Sewer, gas, water, conduit.....	156,076	640	(*)	.3	557,908	98.6
Heating and plumbing.....	\$ 1,501,062	25	(*)	(*)	\$ 2,682,532	99.5	Dam and reservoir.....	27,257	3,954	.3	14.5	92,877	97.6
Plumbing and heating combined.....	444,848	25	(*)	(*)	839,706	99.0	Railroad.....	1,336,464	212,032	15.3	15.9	9,642,054	91.7
Masonry.....	89,798	13,223	.3	14.7	169,239	98.0	Central station, light and power plant.....	333,500	6,000	.4	1.8	689,297	100.0
Plastering and lathing.....	29,318	3,183	.1	10.9	112,664	100.0	Subcontractors.....	\$ 4,883,080	270,073	15.2	5.7	\$ 9,900,247	97.7
Roofing and sheet-metal work.....	\$ 608,035	824	(*)	.1	\$ 1,337,263	99.9	Concreting.....	125,085	4,300	.2	4.8	359,395	100.0
Roofing.....	469,847	824	(*)	.1	991,279	99.9	Masonry.....	89,798	500	(*)	.6	169,239	98.0
Marble and tiling.....	120,739	5,970	.1	4.9	316,188	100.0	Marble and tiling.....	120,739	153	(*)	.1	316,188	100.0
Metal work, n. e. s.....	1,246,011	6,248	.1	.5	2,276,212	92.4	Metal work, n. e. s.....	1,246,011	3,732	.3	.3	2,276,212	92.4
<i>Brick (face, common, fire, paving, etc.)</i>							<i>Reinforcing steel</i>						
All classes.....	23,494,580	755,872	100.0	3.2	57,939,756	89.4	All classes.....	\$23,494,580	\$1,389,444	100.0	5.9	\$57,939,756	89.4
General contractors ²	\$18,611,500	714,318	94.5	3.8	\$48,039,509	87.8	General contractors.....	\$18,561,078	\$1,357,459	97.7	7.3	\$47,923,285	87.9
Building.....	5,906,529	587,777	77.8	10.0	13,704,366	81.5	Building.....	\$ 5,856,105	241,676	17.4	4.1	\$ 13,588,142	81.7
Building not specialized ³	5,164,459	521,472	69.0	10.1	12,135,840	81.2	Building not specialized.....	5,114,035	237,175	17.1	4.6	12,019,616	81.4
Commercial building only.....	181,218	22,968	3.0	12.7	369,747	86.4	Commercial building only.....	181,218	1,500	.1	.8	369,747	86.4
Manufacturing building only.....	135,950	16,000	2.1	11.8	216,400	100.0	Residential building only.....	424,902	2,901	.2	8.7	982,379	75.3
Residential building only.....	424,902	27,337	3.6	6.4	932,379	75.2	Highway.....	7,944,110	642,465	46.2	8.1	17,182,151	88.0
Highway.....	7,944,110	23,856	3.2	3	17,182,151	88.0	Bridge and culvert.....	1,204,601	140,264	10.1	11.6	2,616,591	95.7
Bridge and culvert.....	1,204,601	17,973	2.4	1.5	2,616,591	95.7	Street paving.....	1,699,543	102,825	7.4	6.1	3,525,465	96.2
Street paving.....	1,699,543	62,107	8.2	3.7	3,525,465	96.2	Sewer, gas, water, conduit.....	156,076	8,293	.6	5.3	557,908	98.6
Sewer, gas, water, conduit.....	156,076	2,605	.3	1.7	557,908	98.6	Dam and reservoir.....	27,257	3,954	.3	14.5	92,877	97.6
Dam and reservoir.....	27,257	4,660	.1	17.1	92,877	97.6	Railroad.....	1,336,464	212,032	15.3	15.9	9,642,054	91.7
Railroad.....	1,336,464	264,148	5.2	19.8	9,642,054	91.7	Central station, light and power plant.....	333,500	6,000	.4	1.8	689,297	100.0
Central station, light and power plant.....	333,500	8,000	.2	2.4	689,297	100.0	Subcontractors.....	\$ 4,883,080	31,985	2.3	.7	\$ 9,900,247	97.7
Telephone line and system.....	3,420	1,500	(*)	43.9	28,800	62.1	Concreting.....	125,085	27,600	2.0	22.1	359,395	100.0
Subcontractors.....	\$ 4,883,080	41,554	5.5	.9	\$ 9,900,247	97.7	Masonry.....	89,798	500	(*)	.6	169,239	98.0
Heating and plumbing.....	\$ 1,501,062	249	(*)	(*)	\$ 2,682,532	99.5	Marble and tiling.....	120,739	153	(*)	.1	316,188	100.0
Heating and piping.....	468,109	224	(*)	(*)	780,299	99.7	Metal work, n. e. s.....	1,246,011	3,732	.3	.3	2,276,212	92.4
Plumbing and heating combined.....	444,848	25	(*)	(*)	839,706	99.0	<i>Lumber, rough and finished</i>						
Masonry.....	89,798	40,587	5.4	45.2	169,239	98.0	All classes.....	\$23,494,580	\$1,470,010	100.0	6.3	\$57,939,756	89.4
Plastering and lathing.....	29,318	34	(*)	(*)	316,188	100.0	General contractors ²	\$18,611,500	\$1,423,607	98.8	7.6	\$48,039,509	87.8
Roofing and sheet-metal work.....	\$ 608,035	824	(*)	.1	\$ 1,337,263	99.9	Building.....	5,906,529	1,110,149	75.5	18.8	13,704,366	81.5
Roofing.....	469,847	824	(*)	.1	991,279	99.9	Building not specialized.....	5,164,459	911,027	62.0	17.6	12,135,840	81.2
Marble and tiling.....	120,739	5,970	.1	4.9	316,188	100.0	Commercial building only.....	181,218	41,246	2.8	22.8	369,747	86.4
Metal work, n. e. s.....	1,246,011	6,248	.1	.5	2,276,212	92.4	Manufacturing building only.....	135,950	11,200	.8	8.2	216,400	100.0
<i>Cement¹</i>							Residential building only.....	424,902	148,676	10.0	34.5	982,379	75.2
All classes.....	23,494,580	5,228,772	100.0	22.3	57,939,756	89.4	Highway.....	7,944,110	2,906	.2	(*)	17,182,151	88.0
General contractors ²	\$18,611,500	5,175,543	99.0	27.8	\$48,039,509	87.8	Bridge and culvert.....	1,204,601	128,818	8.8	10.7	2,616,591	95.7
Building.....	5,906,529	446,745	8.5	7.6	13,704,366	81.5	Street paving.....	1,699,543	6,629	.5	4	3,525,465	96.2
Building not specialized ³	5,164,459	411,119	7.9	8.0	12,135,840	81.2	Sewer, gas, water, conduit.....	156,076	19,303	1.3	12.4	557,908	98.6
Commercial building only.....	181,218	9,416	.2	5.2	369,747	86.4	Dam and reservoir.....	27,257	2,250	.2	8.3	92,877	97.6
Manufacturing building only.....	135,950	12,000	.2	8.8	216,400	100.0	Railroad.....	1,336,464	128,550	8.7	9.6	9,642,054	91.7
Residential building only.....	424,902	14,210	.3	3.3	932,379	75.2	Central station, light and power plant.....	333,500	25,000	1.7	7.5	689,297	100.0
Highway.....	7,944,110	3,669,777	64.4	42.4	17,182,151	88.0	Subcontractors.....	\$ 4,883,080	46,403	3.2	1.0	\$ 9,900,247	97.7
Bridge and culvert.....	1,204,601	238,757	4.6	19.8	2,616,591	95.7	Concreting.....	125,085	400	(*)	.3	359,395	100.0
Street paving.....	1,699,543	672,973	12.9	39.6	3,525,465	96.2	Masonry.....	89,798	147	(*)	.1	169,239	98.0
Sewer, gas, water, conduit.....	156,076	16,091	.3	10.3	557,908	98.6	Marble and tiling.....	120,739	153	(*)	.1	316,188	100.0
Dam and reservoir.....	27,257	9,330	.2	34.2	92,877	97.6	Metal work, n. e. s.....	1,246,011	45,866	3.1	3.7	2,276,212	92.4
Railroad.....	1,336,464	405,000	7.7	30.3	9,642,054	91.7	<i>Millwork</i>						
Central station, light and power plant.....	333,500	15,000	.3	4.5	689,297	100.0	All classes.....	\$23,494,580	\$89,499	100.0	2.5	\$57,939,756	89.4
Telephone line and system.....	3,420	1,870	(*)	54.7	28,800	62.1	General contractors ²	\$18,611,500	\$88,283	99.8	3.2	\$48,039,509	87.8
Subcontractors.....	\$ 4,883,080	53,229	1.0	1.1	\$ 9,900,247	97.7	Building.....	5,906,529	570,836	96.8	9.7	13,704,366	81.5
Concreting.....	125,085	20,500	.4	16.4	359,395	100.0	Building not specialized ³	5,164,459	490,297	83.2	9.5	12,135,840	81.2
Heating and plumbing.....	\$ 1,501,062	95	(*)	(*)	\$ 2,682,532	99.5	Commercial building only.....	181,218	11,500	2.0	6.3	369,747	86.4
Plumbing and heating combined.....	444,848	95	(*)	(*)	839,706	99.0							

See footnotes at end of table.

CONSTRUCTION—IOWA

TABLE 10.—COMPARISON OF COST OF DESIGNATED MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, WITH COST OF MATERIALS AND VALUE OF CONSTRUCTION BUSINESS—Continued.

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	Cost of all materials distributed by kind	COST OF DESIGNATED MATERIAL			Value of construction business	Indicated per cent of all business done by own force	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	Cost of all materials distributed by kind	COST OF DESIGNATED MATERIAL			Value of construction business	Indicated per cent of all business done by own force			
		Amount	Per cent of—						Amount	Total cost	Per cent of—			Amount	Per cent of—	
			Total cost	Cost of all distributed materials											Total cost	Cost of all distributed materials
IOWA—Continued						IOWA—Continued										
Millwork—Continued						Electrical appliances and supplies										
General contractors—Contd. Building—Continued.						All classes.....	\$23,494,580	\$994,324	100.0	4.2	\$57,039,756	89.4				
Manufacturing building only.....	\$135,950	\$3,000	0.5	2.2	\$216,400	100.0	General contractors.....	18,561,076	192,634	10.4	1.0	47,923,285	87.9			
Residential building only.....	424,902	66,039	11.2	15.5	982,379	75.2	Building.....	5,856,105	48,905	4.9	.8	13,588,142	81.7			
Bridge and culvert.....	1,204,601	15,065	2.6	1.3	2,616,591	95.7	Building not specialized.....	5,114,035	24,044	2.4	.5	12,019,616	81.4			
Sewer, gas, water, conduit.....	156,076	382	.1	.2	557,908	98.6	Commercial building only.....	181,218	6,000	.6	.3	369,747	86.4			
Central station, light and power plant.....	333,500	2,000	.3	.0	689,297	100.0	Manufacturing building only.....	135,950	6,500	.7	4.8	216,400	100.0			
Subcontractors.....	\$4,883,080	1,216	.2	(*)	\$6,000,247	97.7	Residential building only.....	424,902	12,861	1.2	2.9	982,379	75.2			
Roofing and sheet-metal work.....	\$608,035	1,216	.2	.2	1,337,263	99.9	Highway.....	7,944,110	303	(*)	(*)	17,182,151	88.0			
Sheet-metal work.....	107,419	1,216	.2	1.1	260,242	100.0	Bridge and culvert.....	1,204,601	240	(*)	(*)	2,616,591	95.7			
							Sewer, gas, water, conduit.....	156,076	228	.2	1.4	557,908	98.6			
							Central station, light and power plant.....	333,500	140,958	14.2	42.3	689,297	100.0			
Roofing and sheet metal						Subcontractors.....										
All classes.....	23,494,580	712,652	100.0	3.0	57,939,756	89.4	Electrical.....	\$4,883,080	801,600	80.6	16.4	\$6,000,247	97.7			
General contractors.....	18,611,500	138,044	10.4	.7	48,039,509	87.8	Electrical and plumbing.....	780,659	757,559	76.2	99.7	1,441,066	100.0			
Building.....	5,906,529	127,375	17.9	2.2	13,704,366	81.5	Heating and plumbing.....	\$1,501,062	44,131	4.4	2.9	2,682,532	95.5			
Building not specialized.....	5,164,459	105,222	14.8	2.0	12,135,840	81.2	Plumbing and piping.....	468,106	1,484	.1	.3	780,299	99.7			
Commercial building only.....	181,218	5,039	.8	3.3	369,747	86.4	Plumbing.....	548,511	5,673	.6	1.1	956,508	99.8			
Manufacturing building only.....	135,950	2,400	.3	1.8	216,400	100.0	Plumbing and heating combined.....	444,848	3,000	.4	.7	839,706	99.0			
Residential building only.....	424,902	13,814	1.9	3.3	982,379	75.2	Roofing and sheet-metal work.....	608,035	554,674	77.8	91.2	1,337,263	99.9			
Bridge and culvert.....	1,204,601	65	(*)	(*)	2,616,591	95.7	Roofing.....	469,847	453,737	63.7	95.6	991,279	99.9			
Street paving.....	1,699,543	10,993	1.4	.6	3,525,465	96.2	Sheet-metal work.....	107,419	70,168	9.8	65.3	260,242	100.0			
Sewer, gas, water, conduit.....	156,076	511	.1	.3	557,908	98.6	Roofing and sheet metal combined.....	30,769	30,769	4.3	100.0	85,742	100.0			
Subcontractors.....	\$4,883,080	574,608	80.6	11.8	\$6,000,247	97.7										
Heating and plumbing.....	\$1,501,062	10,934	2.8	1.3	2,682,532	99.5	Heating and ventilating equipment									
Heating and piping.....	468,109	14,434	2.0	3.1	780,299	99.7	All classes.....	23,494,580	750,680	100.0	3.2	57,939,756	89.4			
Plumbing.....	548,511	2,500	.4	.5	956,508	99.8	General contractors.....	18,611,500	57,373	7.6	.3	48,039,509	87.8			
Plumbing and heating combined.....	444,848	3,000	.4	.7	839,706	99.0	Building.....	5,906,529	57,373	7.6	1.0	13,704,366	81.5			
Roofing and sheet-metal work.....	608,035	554,674	77.8	91.2	1,337,263	99.9	Building not specialized.....	5,164,459	37,763	5.0	.7	12,135,840	81.2			
Roofing.....	469,847	453,737	63.7	95.6	991,279	99.9	Commercial building only.....	181,218	5,000	.7	2.8	369,747	86.4			
Sheet-metal work.....	107,419	70,168	9.8	65.3	260,242	100.0	Residential building only.....	424,902	14,610	1.9	3.4	982,379	75.2			
Roofing and sheet metal combined.....	30,769	30,769	4.3	100.0	85,742	100.0	Subcontractors.....	\$4,883,080	693,313	92.4	14.2	\$6,000,247	97.7			
							Heating and plumbing.....	1,501,062	685,253	83.6	44.3	2,682,532	99.5			
DES MOINES						Sand, gravel, stone, lag, cinders, etc.¹										
Sand, gravel, stone, lag, cinders, etc.¹						All classes.....										
All classes.....	7,208,373	1,565,383	100.0	21.7	14,165,201	92.2	General contractors.....	5,147,620	1,556,300	99.4	30.2	10,196,733	90.9			
General contractors.....	5,147,620	1,556,300	99.4	30.2	10,196,733	90.9	Building.....	1,143,840	42,170	2.7	3.7	2,378,149	90.4			
Building.....	1,143,840	42,170	2.7	3.7	2,378,149	90.4	Building not specialized.....	1,103,679	40,716	2.6	3.7	2,228,934	91.3			
Building not specialized.....	1,103,679	40,716	2.6	3.7	2,228,934	91.3	Commercial building only.....	17,380	900	.1	5.2	75,000	73.3			
Commercial building only.....	17,380	900	.1	5.2	75,000	73.3	Residential building only.....	22,781	554	(*)	2.4	74,215	66.2			
Residential building only.....	22,781	554	(*)	2.4	74,215	66.2	Highway.....	3,440,265	1,881,223	88.2	40.1	6,695,180	89.1			
Highway.....	3,440,265	1,881,223	88.2	40.1	6,695,180	89.1	Bridge and culvert.....	292,342	42,326	2.7	14.5	692,375	98.3			
Bridge and culvert.....	292,342	42,326	2.7	14.5	692,375	98.3	Street paving.....	271,173	90,581	6.8	33.4	531,029	99.6			
Street paving.....	271,173	90,581	6.8	33.4	531,029	99.6	Subcontractors.....	\$2,060,753	9,083	.6	(*)	\$3,968,468	95.6			
Subcontractors.....	\$2,060,753	9,083	.6	(*)	\$3,968,468	95.6	Heating and plumbing.....	\$243,952	26	(*)	(*)	497,173	98.0			
Heating and plumbing.....	\$243,952	26	(*)	(*)	497,173	98.0	Plumbing and heating combined.....	42,738	25	(*)	.1	111,854	94.9			
Plumbing and heating combined.....	42,738	25	(*)	.1	111,854	94.9	Roofing and sheet-metal work.....	211,798	812	.1	.4	462,500	100.0			
Roofing and sheet-metal work.....	211,798	812	.1	.4	462,500	100.0	Roofing.....	211,798	812	.1	.4	462,500	100.0			
Roofing.....	211,798	812	.1	.4	462,500	100.0	Marble and tiling.....	45,136	1,998	.1	4.4	111,758	100.0			
Marble and tiling.....	45,136	1,998	.1	4.4	111,758	100.0	Metal work, n. e. s.....	1,246,011	6,248	.4	.5	2,276,212	92.3			
Metal work, n. e. s.....	1,246,011	6,248	.4	.5	2,276,212	92.3										
Brick (face, common, fire, paving, etc.)						Brick (face, common, fire, paving, etc.)										
Brick (face, common, fire, paving, etc.)						All classes.....										
All classes.....	7,208,373	180,157	100.0	2.6	14,165,201	92.2	General contractors.....	5,147,620	188,423	99.6	3.7	10,196,733	90.9			
General contractors.....	5,147,620	188,423	99.6	3.7	10,196,733	90.9	Building.....	1,143,840	107,048	58.6	9.4	2,378,149	90.4			
Building.....	1,143,840	107,048	58.6	9.4	2,378,149	90.4	Building not specialized.....	1,103,679	104,270	55.1	9.4	2,228,934	91.3			
Building not specialized.....	1,103,679	104,270	55.1	9.4	2,228,934	91.3	Residential building only.....	22,781	2,778	1.5	12.2	74,215	66.2			
Residential building only.....	22,781	2,778	1.5	12.2	74,215	66.2	Highway.....	3,440,265	23,856	12.0	.7	6,695,180	89.1			
Highway.....	3,440,265	23,856	12.0	.7	6,695,180	89.1	Bridge and culvert.....	292,342	7,663	4.1	2.6	692,375	98.3			
Bridge and culvert.....	292,342	7,663	4.1	2.6	692,375	98.3	Street paving.....	271,173	49,856	26.4	18.4	531,029	99.6			
Street paving.....	271,173	49,856	26.4	18.4	531,029	99.6	Subcontractors.....	\$2,060,753	734	.4	(*)	\$3,968,468	95.6			
Subcontractors.....	\$2,060,753	734	.4	(*)	\$3,968,468	95.6	Heating and plumbing.....	\$243,952	25	(*)	(*)	497,173	98.0			
Heating and plumbing.....	\$243,952	25	(*)	(*)	497,173	98.0	Plumbing and heating combined.....	42,738	25	(*)	.1	111,854	94.9			
Plumbing and heating combined.....	42,738	25	(*)	.1	111,854	94.9	Roofing and sheet-metal work.....	211,798	812	.1	.4	462,500	100.0			
Roofing and sheet-metal work.....	211,798	812	.1	.4	462,500	100.0	Roofing.....	211,798	812	.1	.4	462,500	100.0			
Roofing.....	211,798	812	.1	.4	462,500	100.0	Marble and tiling.....	45,136	1,998	.1	4.4	111,758	100.0			
Marble and tiling.....	45,136	1,998	.1	4.4	111,758	100.0	Metal work, n. e. s.....	1,246,011	6,248	.4	.5	2,276,212	92.3			
Metal work, n. e. s.....	1,246,011	6,248	.4	.5	2,276,212	92.3										
Cut stone, granite and marble						Cut stone, granite and marble										
Cut stone, granite and marble						All classes.....										
All classes.....	7,208,373	110,077	100.0	1.6	14,165,201	92.2	General contractors.....	5,147,620	62,604	54.0	1.2	10,196,733	90.9			
General contractors.....	5,147,620	62,604	54.0	1.2	10,196,733	90.9	Building.....	1,143,840	62,386	53.7	5.5	2,378,149	90.4			
Building.....	1,143,840	62,386	53.7	5.5	2,378,149	90.4	Building not specialized.....	1,103,679	62,256	53.6	5.6	2,228,934	91.3			
Building not specialized.....	1,103,679	62,256	53.6	5.6	2,228,934	91.3	Residential building only.....	22,781	150	.1	.7	74,215	66.2			
Residential building only.....	22,781	150	.1	.7	74,215	66.2	Highway.....	3,440,265	308	.8	.1	531,029	99.6			
Highway.....	3,440,265	308	.8	.1	531,029	99.6	Street paving.....	271,173	308	.8	.1	531,029	99.6			
Street paving.....	271,173	308	.8	.1	531,029	99.6										

See footnotes at end of table.

TABLE 10.—COMPARISON OF COST OF DESIGNATED MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929, WITH COST OF MATERIALS AND VALUE OF CONSTRUCTION BUSINESS—Continued.

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicate 1 per cent of all business done by own force	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicate 1 per cent of all business done by own force
	Cost of all materials distributed by kind	Amount	Percent of—					Cost of all materials distributed by kind	Amount	Total cost	Percent of—		
			Total cost	Cost of all distributed materials									
DES MOINES—Continued						DES MOINES—Continued							
<i>Cut stone, granite and marble—Continued</i>						<i>Millwork</i>							
Subcontractors.....	\$2,060,753	\$53,353	46.0	2.6	\$3,968,468	95.6	All classes.....	\$7,208,373	\$84,076	100.0	1.2	\$14,165,201	92.2
Stonework.....	43,947	43,947	37.9	100.0	132,736	100.0	General contractors.....	\$ 5,147,620	84,076	100.0	1.6	\$10,196,733	90.9
Marble and tiling.....	45,136	9,436	8.1	20.9	111,758	100.0	Building.....	1,143,840	82,676	98.3	7.2	2,378,149	90.4
<i>Cement¹</i>						<i>Building not specialized.....</i>							
All classes.....	7,208,373	1,810,614	100.0	25.2	14,165,201	92.2	Commercial building only.....	1,103,679	72,034	85.7	6.5	2,228,934	91.3
General contractors.....	5,147,620	1,807,406	99.3	35.1	10,196,733	90.9	Residential building only.....	17,380	5,000	5.9	28.8	75,000	73.3
Building.....	1,143,840	91,397	5.0	8.0	2,378,149	90.4	Highway.....	3,440,265	1,582,203	87.0	46.0	6,595,180	89.1
Building not specialized.....	1,103,679	89,905	4.9	8.1	2,228,934	91.3	Bridge and culvert.....	292,342	46,125	15.8	15.8	692,375	98.3
Commercial building only.....	17,380	486	(²)	2.8	75,000	73.3	Street paving.....	271,173	87,681	4.8	32.3	531,029	99.6
Residential building only.....	22,781	1,012	1.1	4.4	74,215	66.2	Subcontractors.....	\$ 2,060,753	12,208	7.7	6.6	\$ 3,968,468	95.6
Highway.....	3,440,265	1,582,203	87.0	46.0	6,595,180	89.1	Heating and plumbing.....	\$ 243,952	25	(²)	(²)	\$ 496,173	98.0
Bridge and culvert.....	292,342	46,125	15.8	15.8	692,375	98.3	Plumbing and heating combined.....	42,738	25	(²)	1.1	111,854	94.9
Street paving.....	271,173	87,681	4.8	32.3	531,029	99.6	Marble and tiling.....	45,136	3,275	2.7	7.3	111,758	100.0
Subcontractors.....	\$ 2,060,753	12,208	7.7	6.6	\$ 3,968,468	95.6	Metal work, n. e. s.....	1,246,011	8,908	5.5	7.7	2,276,212	92.3
Heating and plumbing.....	\$ 243,952	25	(²)	(²)	\$ 496,173	98.0	<i>Structural steel¹</i>						
Plumbing and heating combined.....	42,738	25	(²)	1.1	111,854	94.9	All classes.....	7,208,373	604,873	100.0	8.4	14,165,201	92.2
Marble and tiling.....	45,136	3,275	2.7	7.3	111,758	100.0	General contractors.....	\$ 5,147,620	340,893	56.4	6.6	\$ 10,196,733	90.9
Metal work, n. e. s.....	1,246,011	8,908	5.5	7.7	2,276,212	92.3	Building.....	1,143,840	229,964	38.0	20.1	\$ 2,378,149	90.4
<i>Reinforcing steel</i>						<i>Building not specialized.....</i>							
All classes.....	7,208,373	360,059	100.0	5.0	14,165,201	92.2	Commercial building only.....	1,103,679	227,964	37.7	20.7	2,228,934	91.3
General contractors.....	5,147,620	356,174	98.9	6.9	10,196,733	90.9	Residential building only.....	17,380	2,000	3.3	11.5	75,000	73.3
Building.....	1,143,840	27,865	7.7	2.4	2,378,149	90.4	Highway.....	3,440,265	284,578	79.0	8.3	6,595,180	89.1
Building not specialized.....	1,103,679	27,410	7.6	2.5	2,228,934	91.3	Bridge and culvert.....	292,342	31,460	8.7	10.8	692,375	98.3
Commercial building only.....	17,380	455	1.1	2.0	74,215	66.2	Street paving.....	271,173	12,271	3.4	4.5	531,029	99.6
Residential building only.....	22,781	1,012	1.1	4.4	74,215	66.2	Subcontractors.....	\$ 2,060,753	263,980	43.6	12.8	\$ 3,968,468	95.6
Highway.....	3,440,265	284,578	79.0	8.3	6,595,180	89.1	Metal work, n. e. s.....	1,246,011	263,980	43.6	21.2	2,276,212	92.3
Bridge and culvert.....	292,342	31,460	8.7	10.8	692,375	98.3	<i>Heating and ventilating equipment</i>						
Street paving.....	271,173	12,271	3.4	4.5	531,029	99.6	All classes.....	7,208,373	175,478	100.0	2.4	14,165,201	92.2
Subcontractors.....	\$ 2,060,753	3,885	1.1	2.2	\$ 3,968,468	95.6	General contractors.....	\$ 5,147,620	3,914	2.2	2.2	\$ 10,196,733	90.9
Marble and tiling.....	45,136	153	(²)	3.3	111,758	100.0	Building.....	\$ 1,143,840	3,914	2.2	3.3	\$ 2,378,149	90.4
Metal work, n. e. s.....	1,246,011	3,732	1.0	3.3	2,276,212	92.3	Building not specialized.....	1,103,679	3,914	2.2	4.4	2,228,934	91.3
<i>Metal doors, windows, and trim</i>						<i>Plumbing and gas-fitting equipment</i>							
All classes.....	7,208,373	113,894	100.0	1.6	14,165,201	92.2	All classes.....	7,208,373	122,851	100.0	1.7	14,165,201	92.2
General contractors.....	\$ 5,147,620	106,172	93.2	2.1	\$ 10,196,733	90.9	General contractors.....	\$ 5,147,620	2,500	2.0	(²)	\$ 10,196,733	90.9
Building.....	1,143,840	106,172	93.2	0.3	2,378,149	90.4	Building.....	\$ 1,143,840	2,500	2.0	2.2	\$ 2,378,149	90.4
Building not specialized.....	1,103,679	106,172	93.2	9.6	2,228,934	91.3	Building not specialized.....	1,103,679	2,500	2.0	2.2	2,228,934	91.3
Subcontractors.....	\$ 2,060,753	7,722	6.8	4.4	\$ 3,968,468	95.6	Subcontractors.....	\$ 2,060,753	171,834	97.8	8.3	\$ 3,968,468	95.6
Metal work, n. e. s.....	1,246,011	7,722	6.8	6.6	2,276,212	92.3	Heating and plumbing.....	243,952	171,834	70.4	70.4	497,173	98.0
<i>Lumber, rough and finished</i>						<i>Heating and piping.....</i>							
All classes.....	7,208,373	185,689	100.0	2.6	14,165,201	92.2	Plumbing.....	142,335	106,759	60.7	74.6	237,300	100.0
General contractors.....	\$ 5,147,620	139,731	75.3	2.7	\$ 10,196,733	90.9	Plumbing and heating combined.....	19,285	7,827	4.5	40.0	42,000	100.0
Building.....	1,143,840	101,512	54.7	8.9	2,378,149	90.4	Automatic temperature control.....	39,594	39,594	22.5	100.0	106,019	100.0
Building not specialized.....	1,103,679	88,353	47.6	8.0	2,228,934	91.3	<i>Electrical appliances and supplies</i>						
Commercial building only.....	17,380	8,000	4.3	46.0	75,000	73.3	All classes.....	7,208,373	239,923	100.0	3.3	14,165,201	92.2
Residential building only.....	22,781	5,159	2.8	22.6	74,215	66.2	General contractors.....	\$ 5,147,620	2,523	1.1	(²)	\$ 10,196,733	90.9
Highway.....	3,440,265	34,907	18.8	11.9	692,375	98.3	Building.....	\$ 1,143,840	2,523	1.1	2.2	\$ 2,378,149	90.4
Bridge and culvert.....	292,342	3,312	1.8	1.2	531,029	99.6	Building not specialized.....	1,103,679	2,523	1.1	2.2	2,228,934	91.3
Street paving.....	271,173	3,312	1.8	1.2	531,029	99.6	Subcontractors.....	\$ 2,060,753	237,400	98.9	11.5	\$ 3,968,468	95.6
Subcontractors.....	\$ 2,060,753	45,938	24.7	2.2	\$ 3,968,468	95.6	Electrical.....	237,400	237,400	98.9	100.0	410,464	100.0
Marble and tiling.....	45,136	82	(²)	2.2	111,758	100.0	<i>Metal products, n. e. s.¹</i>						
Metal work, n. e. s.....	1,246,011	45,856	24.7	3.7	2,276,212	92.3	All classes.....	\$ 7,208,373	736,564	100.0	10.2	\$14,165,201	92.2
						Subcontractors.....							
						\$ 2,060,753							
						736,564							
						100.0							
						35.7							
						\$ 3,968,468							
						95.6							
						1,246,011							
						736,564							
						100.0							
						59.1							
						2,276,212							
						92.3							

¹ Based upon the differences between the total value of all construction business reported and the value of subcontract work let.
² See footnote 3 of Table 9 on p. 460.
³ Includes operative builders.
⁴ Less than one-tenth of 1 per cent.
⁵ Includes cost of materials reported by establishments which did not include designated material in their distributed lists.
⁶ Includes construction work reported by establishments which did not include the designated material in their distributed lists.
⁷ Includes cost of materials reported by operative builders who did not include the designated materials in their distributed lists.
⁸ Includes construction work reported by operative builders who did not include the designated material in their distributed lists.
⁹ Includes cost of materials reported by subcontracting establishments which did not include the designated material in their distributed lists.
¹⁰ Includes construction work reported by subcontracting establishments which did not include the designated material in their distributed lists.
¹¹ Includes cost of materials reported by general contracting establishments which did not include the designated material in their distributed lists.
¹² Includes construction work reported by general contracting establishments which did not include the designated material in their distributed lists.

TABLE 11.—COST OF MATERIAL FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929

[This table is made up in three sections; the second section begins on p. 465, the third section on p. 466]

CLASSIFICATION OF ESTABLISHMENTS	Total cost of all materials ¹	COST OF ALL MATERIALS, DISTRIBUTED BY KIND		Sand, gravel, crushed stone, slag, cinders, etc.	Brick (face, common, fire paving, etc.)	Tile (fire-proofing)	Tile, facing, terra cotta, floor, and wall	Concrete and cinder block	Cut stone, granite, and marble	Rip-rap, rubble, etc.	Cement	Lime	Plaster, etc.	Structural steel
		Amount	Per cent of total											
IOWA	\$30,042,309	\$23,494,660	78.2	\$5,086,385	\$755,872	\$113,637	\$146,525	\$59,703	\$288,412	\$5,284	\$5,228,772	\$55,838	\$88,347	\$1,818,266
Operative builders.....	50,424	50,424	100.0	2,084	910			1,450	50		1,391	122	900	
General contractors.....	324,110,949	18,561,076	77.0	4,958,268	713,408	113,637	66,194	51,947	207,224	3,371	5,174,152	47,457	74,739	1,542,192
Building.....	8,307,758	5,856,105	70.5	330,384	586,807	111,131	66,194	44,803	206,057	2,679	445,354	44,616	69,409	836,297
Building not specialized.....	7,045,016	5,114,035	72.6	294,255	520,562	105,840	54,552	36,633	202,797	2,604	409,728	37,124	54,084	769,893
Commercial building only.....	328,455	181,218	55.2	10,408	22,968	4,291	3,888	2,628	1,000		9,416	2,283	2,366	6,000
Manufacturing building only.....	320,950	135,950	42.4	5,000	16,000	1,000		1,600			12,000	600		55,000
Residential building only.....	613,337	424,902	69.3	19,721	27,337		7,754	4,002	2,280	75	14,210	4,009	12,959	5,404
Highway.....	10,142,546	7,944,110	78.3	3,002,356	23,856			3,979	359		3,369,777			38,282
Bridge and culvert.....	1,743,483	1,204,601	69.1	182,879	17,973	1,506				692	238,757	1,350	3,830	394,573
Street paving.....	1,902,343	1,099,543	57.8	552,344	62,107				308		672,973			
Sewer, gas, water, conduit.....	197,537	150,078	76.0	11,992	2,605			175			16,091	291		540
Dam and reservoir.....	27,257	27,257	100.0	4,600				2,930			9,330			
Railroad.....	1,336,464	1,336,464	100.0	264,148							405,000			256,500
Central station, light and power plant.....	333,500	333,500	100.0	8,000	20,000	1,000			500		15,000	1,200	1,500	16,000
Telephone line and system.....	3,420	3,420	100.0	1,500							1,870			
Subcontractors.....	5,880,936	4,883,080	83.0	106,058	41,554		80,331	6,300	82,138	1,893	53,229	8,259	12,048	270,073
Concreting.....	175,035	125,086	71.4	76,585							20,500			
Electrical.....	800,537	700,059	87.5											
Elevator construction.....	229,138	229,138	100.0											
Heating and plumbing.....	2,233,295	1,501,002	67.2	25	249						95			
Heating and piping.....	736,487	468,109	63.6		224									
Plumbing.....	674,898	548,611	81.3											
Plumbing and heating combined.....	782,286	444,848	56.9	25	25						95			
Automatic temperature control.....	39,594	39,594	100.0											
Masonry.....	115,420	89,798	77.8	13,223	40,587		3,000	6,300	9,400		6,187	4,061	240	4,300
Painting and decorating.....	105,370	105,370	100.0											
Plastering and lathing.....	37,318	29,318	78.6	3,183							833	2,155	12,119	
Roofing and sheet-metal work.....	735,302	608,035	82.7	824			2,801				25			
Roofing.....	685,518	469,847	68.7	824			2,801				25			
Sheet-metal work.....	159,015	107,419	67.6											
Roofing and sheet metal combined.....	40,769	30,789	75.5											
Steel erection.....	12,793	12,793	100.0											7,793
Stonework.....	54,234	54,234	100.0						54,234					
Marble and tiling.....	120,739	120,739	100.0	5,070	34		70,196		18,504		16,681	1,894	289	
Excavating.....	1,438	1,438	100.0											
Metal work, n. o. s.....	1,280,297	1,240,011	96.9	6,248	684		4,334			1,893	8,008	149		263,980
DES MOINES	8,125,874	7,208,373	88.7	1,566,388	189,157	81,717	38,959	1,372	118,077	1,893	1,819,614	7,517	6,917	604,873
General contractors.....	4,800,427	5,147,620	87.4	1,556,300	138,423	81,717	3,614	1,372	62,694		1,807,406	5,618	6,824	340,803
Building.....	1,050,183	1,143,840	69.3	42,170	107,048	81,191	3,614	1,372	62,386		91,397	5,483	6,024	229,964
Building not specialized.....	1,610,022	1,103,079	68.6	40,716	104,270	31,161	3,614		62,236		80,905	5,130	5,627	227,964
Commercial building only.....	17,380	17,380	100.0	900							480			2,000
Residential building only.....	22,781	22,781	100.0	554	2,778			1,372	150		1,012		307	
Highway.....	3,440,265	3,440,265	100.0	1,381,223	23,856						1,582,203			
Bridge and culvert.....	386,038	292,342	75.7	42,326	7,663	528					46,125	135	800	110,929
Street paving.....	346,173	271,173	78.3	90,581	49,858				308		87,681			
Subcontractors.....	2,235,447	2,060,753	92.2	9,083	734		35,345		53,383	1,893	12,208	1,899	93	263,980
Electrical.....	260,400	237,400	91.2											
Elevator construction.....	24,417	24,417	100.0											
Heating and plumbing.....	365,646	243,952	66.7	25	25						25			
Heating and piping.....	142,335	142,335	100.0											
Plumbing.....	59,285	19,285	32.5											
Plumbing and heating combined.....	124,432	42,738	34.3	25	25						25			
Automatic temperature control.....	39,594	39,594	100.0											
Painting and decorating.....	8,092	8,092	100.0											
Roofing and sheet-metal work.....	241,798	211,798	87.6	812			2,801							
Roofing.....	211,798	211,798	100.0	812			2,801							
Stonework.....	43,947	43,947	100.0						43,947					
Marble and tiling.....	45,136	45,136	100.0	1,998	25		28,210		9,436		3,275	1,760	93	
Metal work, n. e. s.....	1,246,011	1,246,011	100.0	6,248	684		4,334			1,893	8,008	149		263,980

¹ Certain establishments did not give a distribution of their materials by separate items. The total cost of materials reported by such establishments is, however, included in totals in this column which carry a footnote to that effect.

² See footnote 3 on Table 9, on p. 460.

³ Includes grading, \$334; waterworks, \$26,307.

⁴ Includes sewer, gas, water, conduit; \$41,461; waterworks, \$26,307.

⁵ Includes sheet-metal work, \$30,000.

TABLE 11.—COST OF MATERIAL FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929—
Continued

[See note at head of table]

CLASSIFICATION OF ESTABLISHMENTS	Reinforcing steel	Cast iron miscellaneous excluding pipe	Metal doors, windows, and trim	Metal and wire lath and furring	Ornamental metal work	Lumber, rough and finished	Laths, shingles, and shakes	Mill-work	Composition board	Water-proofing materials	Hardware, rough and finished	Paints, varnishes, and glass	Roofing and sheet metal	Finished flooring, n. e. s.	Screens, shades, awnings, etc.
IOWA.....	\$1,389,444	\$65,849	\$185,833	\$59,578	\$43,531	\$1,470,010	\$45,292	\$593,499	\$51,806	\$39,750	\$216,747	\$256,212	\$712,652	\$72,432	\$13,536
Operative builders.....				210		8,538		2,200			1,924	1,601	407	3,041	700
General contractors.....	1,357,459	65,749	177,252	50,665	38,531	1,415,069	43,880	586,653	44,306	38,795	188,653	131,210	137,637	69,391	12,836
Building.....	241,576	60,234	171,552	49,296	38,531	1,101,611	43,680	568,636	43,041	18,762	186,909	124,037	126,968	68,391	12,836
Building not specialized.....	237,175	58,124	165,941	46,106	36,714	902,489	36,658	488,037	38,650	18,372	134,090	96,716	104,815	53,875	10,218
Commercial building only.....	1,500	2,000	1,636	2,210	969	41,246	500	11,500	673	115	7,170	7,500	5,939	2,344	468
Manufacturing building only.....			3,600			11,200					3,600	2,400	2,400	5,000	
Residential building only.....	2,901	110	975	980	848	146,676	9,522	66,039	3,418	125	12,109	17,421	13,814	4,172	2,150
Highway.....	642,465					2,906				13,460	1,432	425			
Bridge and culvert.....	140,264	193	2,660	869		128,818		15,065	265	2,966	11,607	4,466		65	
Street paving.....	102,825					6,629				3,545			10,093		
Sewer, gas, water, conduit.....	8,293	2,445	40			19,305		852		32	739		582		
Dam and reservoir.....	3,054	1,877				2,259					250		290		
Railroad.....	212,082					128,550					452				
Central station, light and power plant.....	6,000	1,000	3,000	500		25,000	200	2,000	1,000		17,154	1,500		1,000	
Subcontractors.....	31,985	100	8,581	7,703	5,000	46,403	1,402	1,216	7,500	955	26,170	123,401	574,608		
Concreting.....	27,600					400									
Heating and plumbing.....		100											19,934		
Heating and piping.....													14,434		
Plumbing.....													2,500		
Plumbing and heating combined.....		100											3,000		
Masonry.....	500								2,000						
Painting and decorating.....												105,370			
Plastering and lathing.....			850	7,643			1,402		762	291	71				
Roofing and sheet-metal work.....								1,216	1,960	500	1,564		554,674		
Roofing.....									1,960	500			453,737		
Sheet-metal work.....								1,216			1,564		70,168		
Roofing and sheet-metal combined.....													30,769		
Steel erection.....					5,000										
Marble and tiling.....	153			60		147			81	194	71				
Metal work, n. e. s.....	3,732		7,722			45,856			2,697		24,464	18,031			
DES MOINES.....	360,069	50,423	113,894	15,323	531	185,669	1,929	84,078	15,627	11,661	51,590	64,220	247,050	650	1,098
General contractors.....	356,174	50,323	106,172	15,223	531	139,731	1,929	84,078	10,970	11,547	27,126	38,097	39,891	650	1,098
Building.....	27,865	50,323	106,172	15,023	531	101,512	1,929	82,676	10,770	2,749	26,313	35,916	36,391	650	1,098
Building not specialized.....	27,410	50,323	106,172	14,773	471	88,353		72,054	10,324	2,749	26,313	34,895	35,554	650	423
Commercial building only.....						8,000		5,000			1,000				
Residential building only.....	455			250	60	5,169	1,929	5,642	446			1,021	537		675
Highway.....	284,578									5,603					
Bridge and culvert.....	31,460			200		34,907		1,400	200	250	813	2,181			
Street paving.....	12,271					3,312				3,545			3,000		
Subcontractors.....	3,885	100	7,722			45,938			4,657	114	24,464	26,123	207,659		
Heating and plumbing.....		100											1,434		
Heating and piping.....													1,434		
Plumbing and heating combined.....		100													
Painting and decorating.....												8,092			
Roofing and sheet metal work.....									1,060				206,225		
Roofing.....									1,060				206,225		
Marble and tiling.....	153					82				114					
Metal work, n. e. s.....	3,732		7,722			45,856			2,697		24,464	18,031			

CONSTRUCTION—IOWA

TABLE 11.—COST OF MATERIAL FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1929—
Continued

[See note at head of table]

CLASSIFICATION OF ESTABLISHMENTS	Heating and ventilating equipment	Plumbing and gas-fitting equipment	Electrical appliances and supplies	Elevators, dumb-waiters, etc.	Pipe: Drain tile, vitrified concrete, etc.	Pipe: Cast iron, sheet and tube steel, etc.	Wire cable, guards, and fencing	Bituminous paving materials	Wood piling and timber	Ready-mixed concrete	Freight, hauling or trucking to job	Chemicals, and chemical products	Metal products, n. e. s.	Mineral products (non-metallic) n. e. s.	Miscellaneous
IOWA	\$750,686	\$868,319	\$994,324	\$244,856	\$112,265	\$138,208	\$80,483	\$156,018	\$91,349	\$13,923	\$262,766	\$8,278	\$741,066	\$5,392	\$207,436
Operative builders.....	1,960	4,960													17,030
General contractors.....	55,413	69,004	192,634	15,718	101,395	30,584	59,045	156,018	91,349	13,923	262,766	8,278	2,402	1,027	184,520
Building.....	55,413	53,073	48,905	15,270	17,742	4,452	2,195	1,466	2,473	13,923	0,224		815	1,027	60,156
Building not specialized.....	35,803	33,773	24,044	7,750	4,842	4,452	1,395	1,466	2,473	13,923	0,224		815	1,027	60,156
Commercial building only.....	5,000	1,000	6,000	6,000	12,800										
Manufacturing building only.....			6,500	1,500	600		800								
Residential building only.....	14,610	18,300	12,361	40											
Highway.....			303	448	14,002	8,499	1,295	54,947			103,334	7,426			54,559
Bridge and culvert.....		420	240		4,160	1,543	3,095		10,488		644				25,991
Street paving.....					8,616	4,068		98,612			143,206	852			33,305
Sewer, gas, water, conduit.....		16,411	2,228		49,069	7,722	660	801			5,493				9,069
Dam and reservoir.....					1,806										
Railroad.....					5,000	10,000	51,500				305		1,587		840
Central station, light and power plant.....			140,958			300			60,388						
Telephone line and system.....															
Subcontractors.....	693,313	793,455	801,690	229,138	10,870	101,624	1,438						738,664	4,365	4,986
Electrical.....			757,559			2,500									
Elevator construction.....				229,138											
Heating and plumbing.....	665,253	722,370	44,181		10,870	33,040									4,986
Heating and piping.....	327,520	113,321	1,484		2,988	5,664									2,474
Plumbing.....	145,385	388,947	5,073		4,108	1,600									
Plumbing and heating combined.....	152,754	220,111	36,674		3,776	25,776									2,512
Automatic temperature control.....	30,594														
Roofing and sheet-metal work.....	28,060	14,155				2,256									
Roofing.....	10,000														
Sheet-metal work.....	18,060	14,155				2,256									
Marble and tiling.....													2,100	4,365	
Excavating.....							1,438								
Metal work, n. e. s.....		56,921				63,828							736,564		
DES MOINES	175,748	122,851	239,923	24,417	3,774	75,384		30,998	9,224	13,923	103,334	7,426	736,564		77,628
General contractors.....	3,914	2,500	2,523		2,999	5,350		30,998	9,224	13,923	103,334	7,426			77,624
Building.....	3,914	2,500	2,523		543	224		508		13,923					39,078
Building not specialized.....					543	224		508		13,923					39,078
Highway.....					796	1,941		15,546			103,334	7,426			34,369
Bridge and culvert.....					1,060	1,543			9,224						
Street paving.....						1,648		14,884							4,087
Subcontractors.....	171,834	120,351	237,400	24,417	775	70,028							736,564		104
Electrical.....			237,400												
Elevator construction.....				24,417											
Heating and plumbing.....	171,834	63,430			775	6,200									
Heating and piping.....	106,754	31,972			475	1,700									104
Plumbing.....	7,827	11,458													
Plumbing and heating combined.....	17,659	20,000			300	4,500									104
Automatic temperature control.....	39,594														
Metal work, n. e. s.....		56,921				63,828							736,564		

TABLE 12.—NUMBER OF AND VOLUME OF BUSINESS REPORTED BY ESTABLISHMENTS DOING A CONSTRUCTION BUSINESS OF LESS THAN \$25,000 IN 1929, PERCENTAGE OF TOTAL NUMBER OF KNOWN ESTABLISHMENTS, AND AVERAGE VOLUME PER ESTABLISHMENT

TYPES OF WORK	Iowa 1930 population, 2,470,939							DES MOINES 1930 population, 142,559			REMAINDER OF STATE 1930 population, 2,328,380			
	Known contracting establishments				Volume of business reported			Volume of business			Volume of business			
	Total number	In-active in 1929	Active in 1929 Number	Per cent	Number of re- porting- estab- lish- ments	Per cent of active	Amount	Average per estab- lish- ment	Total number active " 1929	Number of re- porting estab- lish- ments	Amount	Total number active in 1929	Number of re- porting estab- lish- ments	Amount
Total establishments canvassed (under \$25,000).....	2,776	66	2,710					94			2,010			
Total establishments, type of work unknown.....	213		213		28	13.1	\$194,004	\$6,929			213	28	\$194,004	
Total general and subcontractors classified.....	2,563	66	2,497	100.0				94			2,408			
Total general contractors classified.....	909	44	865	34.0	276	31.9	2,069,527	9,072	16	2	\$36,803	849	274	2,632,724
Building.....	750	30	720	29.2	225	30.9	2,151,534	9,560	11	1	22,149	718	224	2,129,385
Bridge and culvert.....	27		27	1.1	9	33.3	75,420	8,380				27	9	75,420
Dam and reservoir.....	4		4	.2	2	50.0	27,202	13,601				4	2	27,202
Foundation.....	2		2	.1	1	50.0	9,200	9,200				2	1	9,200
Highway.....	105	13	92	3.7	31	33.7	355,793	11,477	4	1	14,654	88	30	341,139
Sewer, gas, water, conduit.....	10	1	9	.4	8	88.9	50,378	6,297				9	8	50,378
Waterworks.....	1		1	(1)					1			1		
Street paving.....	1		1	(1)										
Total subcontractors classified.....	1,654	22	1,632	65.4	400	30.0	3,094,073	6,314	78	12	80,345	1,554	478	3,013,728
Carpentering.....	261	11	250	10.0	89	35.6	494,827	5,600	2			248	89	494,827
Concreting.....	92		92	3.7	33	35.9	183,075	5,548	1	1	4,014	91	32	178,161
Electrical.....	203		203	8.1	40	19.7	318,687	7,967	17	2	3,000	136	38	314,787
Excavating.....	15		15	.6	1	6.7	1,000	1,000				15	1	1,000
Heating and ventilating.....	50		50	2.0	12	24.0	111,426	9,286	4			46	12	111,426
Marble and tiling.....	9		9	.4	3	33.3	36,576	12,192	2			7	3	36,576
Masonry.....	93	2	91	3.6	35	38.5	199,094	4,857				91	35	199,094
Ornamental iron.....	7		7	.3	2	28.6	34,411	17,206	3	1	18,911	4	1	15,500
Painting and decorating.....	352	1	351	14.1	113	32.2	431,356	3,817	8	2	2,500	343	111	428,866
Plastering.....	59		59	2.4	24	40.7	70,730	2,947				59	24	70,730
Plumbing and heating.....	398	6	392	15.7	121	30.9	1,085,179	8,968	20	4	45,370	372	117	1,039,809
Roofing and sheet metal.....	100	2	98	3.9	16	16.3	149,012	9,182	18	2	4,750	80	14	142,162
Steel erection.....	5		5	.2	1	20.0	9,000	9,000	3			2	1	9,000
Glass.....	3		3	.1								3		
Stone.....	1		1	(1)								1		
Wrecking.....	4		4	.2								4		
Elevator.....	1		1	(1)								1		
Pipe covering.....	1		1	(1)								1		

1 Less than one-tenth of 1 per cent.

TABLE 13.—ESTABLISHMENTS (WHOSE BUSINESS WAS LESS THAN \$25,000 IN 1929) WHICH REPORTED THEIR VOLUME OF CONSTRUCTION WORK, CLASSIFIED BY RANGE OF VOLUME OF BUSINESS

CLASSIFICATION	Total	Less than \$2,500	\$2,500 to \$4,999	\$5,000 to \$7,499	\$7,500 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$17,499	\$17,500 to \$19,999	\$20,000 to \$22,499	\$22,500 to \$24,999
IOWA											
Total general and subcontractors.....	704	222	137	83	78	105	45	52	25	33	14
General contractors.....	276	37	40	30	35	50	20	30	8	17	9
Subcontractors.....	400	175	94	49	40	51	25	22	16	13	5
Type of contracting, unknown.....	28	10	3	4	3	4			1	3	