

ALABAMA

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CONSTRUCTION—ALABAMA

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
ALABAMA	197	\$45,859	\$40,030	\$5,229	\$7,018	\$0,813	\$19,380	Subcontractors.....	80	\$0,488	\$1,502	\$4,925	\$63	\$1,594	\$3,150
<i>Counties and principal city</i>								\$25,000 to \$40,000.....	33	1,104	438	726	3	340	507
<i>Counties:</i>								\$50,000 to \$99,999.....	31	2,158	565	1,593	19	542	1,037
Calhoun.....	9	884	516	368	87	180	444	\$100,000 to \$199,999.....	10	1,276	407	869	10	200	642
Etowah.....	7	434	281	153	30	138	165	\$200,000 to \$499,999.....	5	1,270	152	1,127	31	319	621
Jefferson.....	100	32,781	20,758	3,023	4,883	6,724	13,014	\$500,000 to \$999,999.....	1	611	611	611	---	134	443
Lee.....	4	307	301	66	3	86	218	\$1,000,000 and over.....	---	---	---	---	---	---	---
Mobile.....	19	2,134	1,705	369	380	450	868	BIRMINGHAM	103	32,126	29,103	3,023	4,865	6,548	13,662
Montgomery.....	20	6,822	5,824	208	1,260	1,455	2,083	<i>Classification of establishments</i>							
Talladoga.....	3	711	69	612	132	174	277	General contractors.....	58	28,530	28,236	304	4,813	5,581	12,145
Tuscaloosa.....	8	631	533	98	253	433	944	Building.....	36	7,089	7,087	2	1,909	1,644	3,057
Other counties ¹	21	2,090	1,853	243	253	433	944	Building not specialized.....	25	6,372	6,370	2	1,670	1,297	2,583
<i>Principal city²</i>								Commercial building only.....	4	708	708	---	196	217	264
Birmingham.....	103	32,126	20,103	3,023	4,865	6,548	13,662	Residential building only.....	7	540	540	---	143	130	210
<i>Classification of establishments</i>								Highway.....	7	5,374	5,115	259	2,438	609	975
General contractors.....	117	39,371	30,068	304	6,955	8,210	16,230	Bridge and culvert.....	5	3,068	968	---	4	228	513
Building.....	75	14,762	14,760	2	3,562	3,306	5,728	Street paving.....	7	1,407	1,407	---	70	336	629
Building not specialized.....	60	13,206	13,268	2	3,199	2,902	6,161	Other classes ³	5	13,101	13,058	43	386	2,761	6,970
Commercial building only.....	4	708	708	---	167	187	303	Subcontractors.....	45	3,587	867	2,720	52	967	1,517
Residential building only.....	11	734	734	---	187	187	303	Electrical.....	5	331	103	228	---	99	152
Highway.....	11	6,370	6,111	259	2,609	780	1,391	Heating and plumbing.....	14	1,115	164	951	13	272	549
Bridge and culvert.....	5	1,313	1,313	---	1	131	723	Heating and piping.....	3	298	---	298	10	68	133
Grading.....	5	326	---	---	225	619	1,117	Plumbing.....	6	589	111	478	3	134	312
Street paving.....	13	2,090	2,099	43	168	250	277	Plumbing and heating combined.....	5	228	53	175	---	70	105
Sewer, gas, water, conduit.....	5	895	852	43	386	2,688	6,004	Painting, decorating, and glazing.....	3	121	54	67	3	48	51
Other classes ⁴	3	13,037	13,037	---	386	2,688	6,004	Roofing and sheet-metal work.....	14	1,008	464	554	4	217	445
Subcontractors.....	80	6,488	1,502	4,025	63	1,594	3,150	Marble, tiling, and plastering.....	5	328	---	328	4	94	131
Concreting.....	3	150	10	134	---	56	55	Other classes ⁵	4	683	90	593	28	237	188
Electrical.....	13	839	309	530	---	200	430	<i>Size of business groups</i>							
Heating and plumbing.....	30	2,321	469	1,852	24	500	1,109	General contractors.....	58	28,530	28,236	304	4,813	5,581	12,145
Heating and piping.....	6	495	51	414	20	110	205	\$25,000 to \$49,999.....	4	166	164	2	34	44	66
Plumbing.....	15	1,435	283	1,152	4	270	706	\$50,000 to \$99,999.....	11	773	773	---	124	230	307
Plumbing and heating combined.....	9	421	135	286	---	120	198	\$100,000 to \$199,999.....	17	2,407	2,304	43	451	556	921
Painting, decorating, and glazing.....	4	161	74	87	3	60	63	\$200,000 to \$499,999.....	16	4,674	4,674	---	927	971	1,920
Roofing and sheet-metal work.....	19	1,317	604	713	4	233	626	\$500,000 to \$999,999.....	5	3,085	3,085	---	838	683	970
Roofing.....	16	1,228	571	657	3	256	582	\$1,000,000 and over.....	5	17,434	17,175	259	2,430	3,090	7,960
Sheet-metal work.....	3	89	33	56	1	27	44	Building contractors.....	36	7,089	7,087	2	1,909	1,644	3,057
Marble, tiling, and plastering.....	8	1,076	---	1,076	4	274	614	\$25,000 to \$49,999.....	4	166	164	2	34	44	66
Other classes ⁴	3	624	90	534	28	210	163	\$50,000 to \$99,999.....	10	677	677	---	124	180	278
								\$100,000 to \$199,999.....	10	1,358	1,358	---	371	280	517
								\$200,000 to \$499,999.....	7	2,118	2,118	---	549	375	964
								\$500,000 to \$999,999.....	4	2,233	2,233	---	331	619	937
								\$1,000,000 and over.....	1	1,137	1,137	---	500	146	300
								Subcontractors.....	45	3,587	867	2,720	52	967	1,517
								\$25,000 to \$49,999.....	16	538	151	387	3	170	230
								\$50,000 to \$99,999.....	20	1,448	257	1,191	8	375	673
								\$100,000 to \$199,999.....	6	743	305	438	10	148	331
								\$200,000 to \$499,999.....	3	857	152	705	31	275	284

¹ Includes Bullock, Colbert, Dale, Dallas, Elmore, Fayette, Geneva, Houston, Lauderdale, Limestone, Madison, Marshall, Morgan, Perry, Pike, Tallapoosa, and Walker, 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 county total.

³ Includes railroad; foundation; and central station, light and power plant.

⁴ Includes steel erection; and grading.

⁵ Includes sewer, gas, water, conduit; foundation; and central station, light and power plant.

⁶ Includes concreting; steel erection; and grading.

CONSTRUCTION—ALABAMA

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
ALABAMA							BIRMINGHAM						
All construction business.....	197	\$45,858,676	117	\$39,371,049	80	\$6,487,627	All construction business.....	103	\$32,125,780	58	\$28,539,121	45	\$3,586,659
Distribution not reported.....	13	1,063,363	4	454,909	9	608,454	Distribution not reported.....	5	512,544	3	329,429	3	183,115
Distributed by class of ownership.....	184	44,795,313	113	38,916,140	71	5,879,173	Distributed by class of ownership.....	98	31,613,236	50	28,209,692	42	3,403,544
Private.....	149	20,311,934	73	21,169,401	70	5,142,533	Private.....	83	22,081,112	42	10,039,768	41	3,041,344
Quasi public or community.....	27	913,378	17	823,587	10	89,701	Quasi public or community.....	12	504,964	7	480,073	5	24,891
Public.....	100	17,570,001	66	16,923,152	34	640,849	Public.....	41	9,027,160	25	8,689,851	16	337,309
Distribution not reported.....	13	1,014,829	5	1,079,397	8	235,432	Distribution not reported.....	6	1,350,829	1	1,208,397	5	148,432
Distributed by class of public ownership.....	87	15,655,172	61	15,243,755	26	411,417	Distributed by class of public ownership.....	35	7,670,331	24	7,481,454	11	188,877
Federal.....	9	2,591,069	7	9,354,928	2	107,849	Federal.....	2	4,535,807	2	4,480,291	4	46,516
State.....	36	6,871,708	29	1,277,510	13	91,757	State.....	13	702,553	5	707,796	5	54,757
County or township.....	31	1,369,287	18	4,011,317	17	211,811	County or township.....	10	2,871,971	17	2,284,387	7	87,604
Municipal.....	51	4,823,128	34				Municipal.....	24					
All business under general contract or directly for owners.....	151	40,629,884	117	39,067,536	34	1,562,298	All business under general contract or directly for owners.....	76	29,102,697	58	28,235,608	18	867,089
Distribution not reported.....	3	650,047	3	650,047			Building.....	58	8,338,475	18	7,471,386	18	807,089
Distributed by class.....	148	39,979,787	114	38,417,489	34	1,562,298	Distribution not reported.....	4	250,150	2	127,870	2	122,280
Building.....	112	15,858,389	78	14,361,523	34	1,496,866	Distributed by class.....	54	8,088,325	38	7,343,510	16	744,809
Distribution not reported.....	6	303,317	2	127,870	4	175,447	Commercial.....	33	2,771,738	24	2,597,873	9	174,165
Distributed by class.....	106	15,555,072	76	14,233,653	30	1,321,419	Educational.....	10	860,666	8	(1)	2	(1)
Commercial.....	66	3,597,813	46	3,244,694	20	353,110	Hotel.....	3	339,092	2	(1)	1	(1)
Educational.....	39	3,321,160	29	3,198,407	10	122,763	Hospital and institutional.....	4	266,167	4	266,167	4	101,331
Hotel.....	8	493,092	5	1,687,083	3	32,460	Manufacturing.....	8	947,407	4	846,076	4	3,257
Hospital and institutional.....	10	1,220,451	8	899,200	2	177,331	Religious and memorial.....	8	257,558	4	254,301	4	305,640
Manufacturing.....	14	1,070,531	7	480,324	1	3,257	Residential.....	33	2,071,082	20	1,765,442	13	(1)
Public: Courts, jails, etc.....	10	1,200,614	9	2,692,180	1	400,563	Social and recreational.....	3	224,458	2	(1)	1	(1)
Religious and memorial.....	16	483,631	12	(1)	1	(1)	Air transport.....	1					
Residential.....	73	3,182,743	47	(1)	2	(1)	Rail and water transportation.....	4	150,898	3	230,931	1	110,236
Social and recreational.....	8	497,047	7		1		Public: Courts, jails, etc.....	1	190,209	3		5	
Air transport.....	3	74,235	2		1		Miscellaneous.....	8		6	4,889,785		
Rail and water transportation.....	5	160,117	4	335,104	1	184,936	Highway and street.....	15	6,489,785	15	6,489,785		
Miscellaneous.....	15	235,088	9	(1)	6	(1)	Public works and utilities.....	0	10,882,860	9	10,882,860		
Highway and street.....	31	8,514,410	29	(1)	2	(1)	Bridge, tunnel, etc.....	3		3	10,205,848		
Water power development.....	1		1				Central station, light and power plant.....	2		2			
Railroad and car line.....	3	3,342,697	3	3,342,697			Dock, pier, retaining wall, etc.....	1		1			
Air transport work.....	1		1				Flood control, irrigation, and land drainage.....	1	137,680	1	137,680		
Public works and utilities.....	20	12,200,548	20	12,200,548			Refuse disposal plant.....	1		1			
Bridge, tunnel, etc.....	11		11				Sewage disposal and drainage.....	3	203,575	3	203,575		
Central station, light and power plant.....	2	11,041,400	2	11,041,400			Water supply.....	3	155,766	3	155,766		
Dock, pier, retaining wall, etc.....	2		2	97,120			Water power development.....	1		1			
Flood control, irrigation, and land drainage.....	1	97,120	1				Railroad and car line.....	3	3,391,508	3	3,391,508		
Refuse disposal plant.....	1		1				Miscellaneous, n. e. s.....	1		1			
Sewage disposal and drainage.....	7	763,405	7	763,405			All business under subcontract.....	43	3,023,083	3	303,513	40	2,719,570
Water supply.....	9	298,623	9	298,623			Carpeting and wood flooring.....	2		1	(1)	1	(1)
Miscellaneous, n. e. s.....	5	63,743	4	(1)	1	(1)	Painting and decorating.....	1	68,195	1		1	(1)
All business under subcontract.....	69	5,228,842	3	303,513	66	4,925,329	Glass and glazing.....	2		1	(1)	1	(1)
Carpeting and wood flooring.....	2	2,850	1	(1)	1	(1)	Concreting.....	1	54,875	1	(1)	1	(1)
Flooring, n. e. s.....	1		1	(1)	3	(1)	Masonry.....	1		1	(1)		
Concreting.....	4	104,875	1	(1)			Electrical.....	5	193,677	5		5	193,677
Masonry.....	1		1	(1)			Steel erection.....	4	446,320	2		2	
Electrical.....	10	517,293			10	517,293	Elevator construction.....	1		1	43,160	1	532,468
Steel erection.....	4	446,320			1		Ornamental iron.....	1	129,308	1		1	
Elevator construction.....	1				1		Metal work, n. e. s.....	1		1		1	682,783
Ornamental iron.....	1	129,308			1		Heating and plumbing.....	15	982,783			15	340,552
Metal work, n. e. s.....	1				1		Heating and piping.....	2	340,552			2	401,781
Heating and plumbing.....	1	1,737,042			1	1,737,042	Pipe covering.....	10	491,781			10	
Heating and piping.....	26	527,193			26	527,193	Plumbing.....	4	150,450			4	150,450
Pipe covering.....	3	41,839			3	41,839	Plumbing and heating combined.....	4	155,550	1	(1)	3	(1)
Plumbing.....	20	906,675			20	906,675	Plastering and lathing.....	4	520,835			4	520,835
Plumbing and heating combined.....	6	261,335			6	261,335	Roofing and sheet metal work.....	11	396,475			11	396,475
Painting and decorating.....	3	212,259			3	212,259	Roofing.....	6	124,360			6	124,360
Glass and glazing.....	2				2		Sheet metal work.....	3	173,170			3	173,170
Plastering and lathing.....	4	155,550		(1)	3	212,259	Marble and tiling.....	2			(1)	1	(1)
Roofing and sheet metal work.....	13	678,729			13	678,729	Excavating.....	1	208,370	1	(1)	1	(1)
Roofing.....	8	500,625			8	500,625	Highway.....	1					
Sheet metal work.....	5	178,104			5	178,104	Grading.....	1					
Marble and tiling.....	6	920,749			6	920,749	Rental of equipment, trucking, etc.....	1					
Excavating.....	4	11,075		(1)	3	(1)							
Highway.....	1			(1)									
Grading.....	2	312,795			2	(1)							

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

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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
ALABAMA	191	\$44,745,091	\$13,079,679	\$33,961,601	\$10,783,490	BIRMINGHAM	102	\$31,988,538	\$8,119,391	\$24,538,793	\$7,149,745
General contractors.....	114	38,780,807	9,876,447	29,046,892	9,733,925	General contractors.....	57	28,401,870	5,606,115	21,077,746	6,724,133
Building.....	74	14,628,683	7,382,838	11,970,820	2,657,893	Building.....	36	7,680,365	4,185,622	7,078,001	616,364
Building not specialized.....	59	13,127,047	6,170,062	10,469,184	2,657,893	Building not specialized.....	25	6,372,300	3,107,510	5,756,035	616,364
Commercial building only.....	4	768,125	502,635	768,125	-----	Commercial building only.....	4	768,125	502,635	768,125	-----
Residential building only.....	11	735,511	710,141	735,511	-----	Residential building only.....	7	548,841	525,471	548,841	-----
Highway.....	11	6,370,324	293,516	3,096,330	3,273,994	Highway.....	7	5,273,031	202,016	2,958,507	2,416,424
Bridge and culvert.....	4	992,777	253,313	603,455	389,322	Bridge, culvert, and railroad.....	3	967,887	239,952	360,316	607,571
Grading.....	5	325,751	160,819	300,651	25,100	Street paving.....	6	1,269,272	672,653	947,626	321,346
Street paving.....	12	2,531,498	1,298,441	2,182,895	348,603	Other classes ¹	5	13,101,424	255,872	10,337,996	2,763,428
Sewer, gas, water, conduit.....	5	894,804	607,725	827,498	67,366	Subcontractors.....	45	3,580,650	2,613,270	3,161,047	426,612
Other classes ¹	3	13,036,910	9,795	10,065,233	2,971,677	Electrical.....	5	331,135	247,692	304,997	26,138
Subcontractors.....	77	5,964,284	4,103,232	4,914,710	1,040,565	Heating and plumbing.....	14	1,114,992	1,002,702	1,114,992	-----
Concreting.....	3	150,382	142,382	150,382	-----	Heating and piping.....	3	298,343	298,343	298,343	-----
Electrical.....	13	838,534	679,393	776,101	62,433	Plumbing.....	6	588,692	470,492	588,692	-----
Heating and plumbing.....	28	1,899,013	1,643,823	1,806,113	3,500	Plumbing and heating combined.....	5	227,057	227,057	227,057	-----
Heating and piping.....	6	464,593	428,593	464,593	-----	Painting, decorating, and glazing.....	3	120,842	113,407	116,782	4,060
Plumbing.....	13	1,014,011	820,221	1,010,511	3,500	Roofing and sheet-metal work.....	14	1,008,485	888,038	1,008,485	-----
Plumbing and heating combined.....	9	421,009	395,009	421,009	-----	Marble, tiling, and plastering.....	5	328,170	256,170	313,170	15,000
Painting, decorating, and glazing.....	4	160,842	149,407	156,782	4,060	Other classes ²	4	683,935	105,207	302,621	380,414
Roofing and sheet-metal work.....	19	1,317,132	1,144,745	1,308,132	12,000						
Roofing.....	16	1,227,909	1,055,612	1,216,060	12,000						
Sheet-metal work.....	3	89,133	89,133	89,133	-----						
Marble, tiling, and plastering.....	7	973,746	289,276	356,585	587,168						
Other classes ²	3	624,035	54,207	243,621	380,414						

- ¹ Includes foundation; central station, light and power plant; and railroad.
- ² Includes grading; and steel erection.
- ³ Includes sewer, gas, water, conduit; foundation; and central station, light and power plant.
- ⁴ Includes grading; steel erection; and concreting.

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
ALABAMA				BIRMINGHAM			
Total distributed by State ¹	\$10,783,490	\$9,733,925	\$1,040,565	Total distributed by State ²	\$7,149,745	\$6,724,133	\$425,612
Arkansas.....	880,681	880,681	-----	Arkansas.....	880,681	880,681	-----
Florida.....	177,792	177,792	-----	Florida.....	162,735	162,735	-----
Georgia.....	1,301,515	1,135,210	166,299	Georgia.....	1,048,353	904,654	143,700
Illinois.....	242,369	14,374	227,929	Kentucky.....	238,641	238,641	-----
Indiana.....	362,629	362,629	-----	Louisiana.....	123,618	119,558	4,060
Iowa.....	548,787	548,787	-----	Mississippi.....	1,863,638	1,860,091	35,547
Kansas.....	14,330	-----	14,330	Missouri.....	26,955	26,955	-----
Kentucky.....	238,641	238,641	-----	North Carolina.....	9,812	9,812	-----
Louisiana.....	123,618	119,558	4,060	Pennsylvania.....	5,185	5,185	-----
Michigan.....	202,807	-----	202,807	South Carolina.....	1,172,070	1,146,841	26,138
Mississippi.....	1,918,333	1,860,091	52,242	Tennessee.....	1,342,305	1,288,805	54,000
Missouri.....	26,955	26,955	-----	Texas.....	182,255	92,030	90,225
New York.....	27,792	-----	27,792	Virginia.....	21,083	9,745	11,338
North Carolina.....	371,226	371,226	-----	Other States, n. s.	62,605	-----	62,605
Ohio.....	465,529	388,689	76,840				
Pennsylvania.....	498,573	498,573	-----				
South Carolina.....	1,320,635	1,204,497	26,138				
Tennessee.....	1,690,671	1,625,671	65,000				
Texas.....	207,285	95,000	112,285				
Virginia.....	77,083	65,745	11,338				
Other States, n. s.	77,305	14,800	62,505				

- Number of establishments reporting:
- ¹ All classes, 86; General contractors, 25; subcontractors, 11.
 - ² All classes, 19; General contractors, 14; subcontractors, 5.

CONSTRUCTION—ALABAMA

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									
		Re-ceiving no salary	Receiving salaries		All salaried employees		Officers and clerical staff		Superintendents, foremen, etc.		Number reported, by sex			Sex not reported
			Num-ber	Total annual salaries	Total number	Total annual salaries	Num-ber	Total annual salaries	Num-ber	Total annual salaries	Total	Male	Fe-male	
ALABAMA	193	103	102	\$802, 567	1, 526	\$3, 410, 602	980	\$2, 264, 528	546	\$1, 156, 074	1, 462	1, 345	117	64
General contractors	116	77	56	160, 796	1, 353	3, 054, 600	865	2, 039, 089	488	1, 014, 911	1, 310	1, 229	81	43
Building.....	74	46	26	71, 109	290	711, 743	120	372, 565	170	339, 178	270	244	26	20
Building not specialized.....	60	40	23	64, 929	252	631, 443	101	319, 265	161	312, 178	232	211	21	20
Commercial building only.....	4	1			23	49, 066	11	38, 746	12	10, 320	23	21	2	
Residential building only.....	10	5	3	6, 240	15	31, 234	8	14, 554	7	16, 680	15	12	3	
Highway.....	11	9	5	13, 287	89	203, 668	27	84, 693	62	118, 975	85	85	3	1
Bridge and culvert.....	5	5	3	8, 100	29	61, 427	11	26, 010	18	36, 417	26	24	2	3
Grading.....	5	5	1	2, 100	19	32, 712	6	13, 920	13	18, 792	14	12	2	5
Street paving.....	13	7	18	57, 800	66	116, 528	23	42, 180	43	74, 348	56	50	6	10
Sewer, gas, water, conduit.....	5	3	3	8, 340	27	63, 890	9	19, 590	18	44, 300	23	10	4	4
Other classes ¹	3	2			833	1, 864, 632	669	1, 481, 731	104	382, 001	833	705	38	
Subcontractors	77	26	46	141, 701	173	356, 002	115	214, 839	58	141, 163	152	110	36	21
Concreting.....	3	2	1	2, 000	7	14, 300	2	3, 020	5	11, 280	7	5	2	
Electrical.....	12	1	12	31, 320	25	37, 932	20	26, 222	5	11, 710	25	18	7	
Heating and plumbing.....	30	13	20	66, 296	62	96, 198	36	58, 690	16	37, 608	40	25	15	12
Heating and piping.....	6	2	3	9, 152	12	27, 613	9	18, 473	3	9, 149	10	7	3	2
Plumbing.....	15	5	13	41, 112	31	56, 085	19	30, 617	12	26, 368	28	18	10	3
Plumbing and heating combined.....	9	6	4	16, 032	9	11, 600	8	9, 600	1	2, 009	2	4	2	7
Painting and decorating.....	3	1			6	10, 395	4	4, 615	2	5, 780	6	4	2	
Roofing and sheet-metal work.....	19	5	13	42, 145	54	108, 540	41	70, 677	13	28, 863	53	44	9	1
Roofing.....	16	5	8	29, 699	62	104, 370	30	75, 507	13	28, 863	51	42	9	1
Sheet-metal work.....	3		5	12, 446	2	4, 170	2	4, 170			2	2		
Marble, tiling, and plastering.....	7	3			18	61, 317	10	36, 015	8	25, 302	10	9	1	8
Other classes ¹	3	1			11	27, 320	2	6, 600	9	20, 720	11	11		
BIRMINGHAM	99	44	42	131, 363	1, 263	2, 859, 589	853	1, 912, 485	410	877, 104	1, 234	1, 156	78	20
General contractors	57	28	28	82, 504	1, 155	2, 033, 536	783	1, 851, 193	372	782, 343	1, 136	1, 076	60	19
Building.....	35	16	15	39, 904	170	437, 569	70	248, 208	100	189, 361	163	151	12	7
Building not specialized.....	25	13	12	33, 664	135	361, 669	51	194, 908	84	169, 761	128	121	7	7
Commercial building only.....	4	1			23	49, 066	11	38, 746	12	10, 320	23	21	2	
Residential building only.....	6	2	3	6, 240	12	26, 834	8	14, 554	4	12, 280	12	9	3	
Highway.....	7	5	2	4, 500	75	170, 281	19	63, 234	56	107, 047	75	72	3	
Bridge, culvert, and railroad.....	3	4			23	60, 347	11	34, 250	12	20, 097	20	18	2	3
Street paving.....	7	1	11	38, 100	41	75, 257	12	23, 820	29	51, 437	32	29	3	9
Other classes ¹	5	2			846	1, 890, 082	671	1, 481, 681	175	403, 401	846	806	40	
Subcontractors	42	16	14	48, 849	108	226, 053	70	131, 292	38	94, 761	98	80	18	10
Electrical.....	4		2	0, 000	10	21, 145	7	12, 555	3	8, 590	10	8	2	
Heating and plumbing.....	14	7	5	14, 512	28	56, 573	20	38, 165	8	21, 408	20	14	6	8
Heating and piping.....	3	1	2	5, 720	8	18, 765	6	12, 025	2	6, 740	8	5	3	
Plumbing.....	6	2	2	5, 792	15	34, 028	10	21, 300	5	12, 668	12	9	3	3
Plumbing and heating combined.....	5	4	1	3, 000	5	6, 780	4	4, 780	1	2, 000				5
Roofing and sheet-metal work.....	14	3	7	27, 377	45	89, 780	35	66, 917	10	22, 863	45	37	8	2
Marble, tiling, and plastering.....	4	3			9	18, 740	4	5, 940	5	12, 800	7	6	1	
Other classes ¹	6	3			16	36, 815	4	7, 715	12	29, 100	16	15	1	

¹ Includes railroad; foundation; and central station light and power plant.
² Includes steel erection; and grading.
³ Includes sewer, gas, water, conduit; foundation; and central station, light and power plant.
⁴ Includes concreting; painting and decorating; steel erection; and grading.

CONSTRUCTION—ALABAMA

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		
ALABAMA	176	\$1,066,875	\$3,681,218	\$44,176,290	\$9,440,732	BIRMINGHAM	92	\$566,116	\$2,663,335	\$31,144,823	\$6,318,907
<i>Classification of establishments</i>						<i>Classification of establishments</i>					
General contractors	110	774,787	3,259,457	38,684,515	8,041,161	General contractors	50	527,314	2,482,030	28,156,418	5,480,018
Building	72	157,721	652,753	14,508,197	3,254,035	Building	35	103,070	427,118	7,533,222	1,014,571
Building not specialized	57	150,040	593,950	13,006,561	2,850,044	Building not specialized	24	96,290	376,466	6,210,250	1,207,317
Commercial building only	4	5,512	43,011	769,125	216,014	Commercial building only	4	5,512	43,011	768,125	216,014
Residential building only	11	2,159	12,702	733,511	187,080	Residential building only	7	1,265	7,622	548,841	180,340
Highway	11	186,410	624,174	0,370,324	770,880	Highway	7	162,552	512,970	5,373,031	609,191
Bridge and culvert	5	33,495	80,852	1,312,777	435,254	Bridge, culvert, and railroad	3	40,100	102,440	907,887	228,455
Grading	4	78,095	100,637	275,271	111,400	Street paving	6	77,235	273,568	1,170,954	276,720
Street paving	10	137,851	473,376	2,280,172	613,727	Other classes ¹	5	148,255	1,075,938	13,101,424	2,760,675
Sewer, gas, water, conduit	5	52,015	98,710	894,804	259,087	Subcontractors	30	38,801	171,305	2,988,405	820,280
Other classes ¹	3	129,700	1,168,050	13,036,910	2,687,760	Electrical	4	1,382	8,807	211,318	69,898
Subcontractors	66	282,088	301,750	5,491,775	1,300,571	Heating and plumbing	11	12,300	52,370	955,539	236,513
Concreting	3	224,009	76,352	150,382	57,693	Heating and piping	3	700	7,035	268,343	67,964
Electrical	11	6,165	24,451	684,717	172,821	Plumbing	4	1,533	26,894	472,342	108,803
Heating and plumbing	26	24,145	95,040	1,904,837	442,721	Plumbing and heating combined	4	10,073	18,441	184,854	59,746
Heating and piping	6	3,950	12,035	464,593	100,536	Painting, decorating, and glazing	3	1,815	8,073	120,842	48,023
Plumbing	11	8,172	55,073	1,062,338	222,732	Roofing and sheet metal work	5	5,493	23,042	689,501	143,770
Plumbing and heating combined	8	12,023	27,888	3,777,000	110,453	Marble, tiling, and plastering	5	1,090	14,510	328,170	93,584
Painting, decorating, and glazing	4	1,815	8,573	160,842	60,023	Other classes ¹	4	16,739	64,503	638,035	237,192
Roofing and sheet metal work	12	5,820	20,410	805,210	181,015	<i>Percentage of equipment owned</i>					
Marble, tiling, and plastering	8	2,798	21,335	1,675,746	274,078	General contractors	50	527,314	2,482,030	28,156,418	5,480,018
Other classes ²	3	16,739	46,503	624,085	210,320	1% to 25%	1		6,000	240,938	
<i>Percentage of equipment owned</i>						51% to 75%	3	33,477	111,544	306,358	131,489
General contractors	110	774,787	3,259,457	38,684,515	8,041,161	76% to 99%	14	237,578	757,998	6,180,990	1,162,570
None	3			137,800	31,500	100%	30	108,467	1,526,240	20,887,991	4,029,473
1% to 25%	1		6,000	240,938		Not reported	2	57,802	80,242	444,141	108,086
51% to 75%	4	33,055	112,222	436,010	140,536	Subcontractors	30	38,801	171,305	2,988,405	820,280
76% to 99%	18	243,228	800,298	6,455,452	1,250,844	26% to 50%	1	337	2,038	25,829	14,516
100%	82	440,102	2,260,095	30,993,298	6,443,105	51% to 75%	2	8,004	13,503	588,593	100,114
Not reported	2	57,802	80,242	444,141	166,086	100%	32	30,400	153,548	2,215,474	582,302
Subcontractors	66	282,088	301,750	5,491,775	1,300,571	Not reported	1		2,216	168,509	33,357
26% to 50%	1	337	2,038	25,829	14,516						
51% to 75%	3	9,004	16,503	668,593	210,114						
100%	61	272,747	280,999	4,638,844	1,132,684						
Not reported	1		2,216	168,509	33,357						

¹ Includes central station, light and power plant; foundation; and railroad.
² Includes grading; and steel erection.
³ Includes sewer, gas, water, conduit; central station, light and power plant; and foundation.
⁴ Includes grading; concreting; and steel erection.
⁵ See complete classification in the tabulation for general contractors in the 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	
ALABAMA	171	6,988	6,530	7,185	7,083	8,686	8,756	9,206	9,196	8,910	9,093	8,034	7,654	\$9,214,866
<i>Classification of establishments</i>														
General contractors	101	6,125	5,700	6,307	6,999	7,645	7,639	8,069	8,036	7,804	7,060	6,048	6,567	7,740,016
Building	95	1,946	1,778	2,041	2,470	2,801	2,725	2,794	3,069	3,188	3,034	2,334	2,279	3,146,133
Building not specialized	52	1,795	1,603	1,808	2,156	2,544	2,365	2,357	2,582	2,717	2,607	1,999	1,909	2,782,139
Commercial building only	3	70	86	115	135	158	140	227	263	200	247	204	138	198,914
Residential building only	10	75	89	118	179	189	220	210	224	211	180	131	142	167,080
Highway	9	851	790	940	997	1,084	1,038	1,216	1,287	1,166	1,114	998	779	752,773
Bridge and culvert	5	485	433	469	483	563	599	608	605	532	641	485	508	435,254
Grading	4	195	206	209	281	192	203	187	188	189	200	210	197	91,400
Street paving	11	372	487	521	525	518	599	658	623	603	668	441	459	470,101
Sewer, gas, water, conduit	4	46	27	106	146	184	235	205	276	270	248	219	208	165,487
Other classes ¹	3	2,231	1,976	2,021	2,147	2,213	2,270	2,341	1,908	1,847	2,055	2,261	2,137	2,687,769
Subcontractors	70	863	824	878	984	1,041	1,117	1,187	1,160	1,106	1,133	1,086	1,087	1,465,660
Concreting	3	29	56	52	41	62	79	96	41	28	23	37	69	57,693
Electrical	11	116	109	102	110	113	116	127	120	123	160	151	124	180,794
Heating and plumbing	26	300	277	291	334	346	360	331	354	351	323	284	283	443,966
Heating and piping	4	38	41	45	48	38	32	41	52	64	66	45	44	64,540
Plumbing	14	181	166	174	211	232	241	216	230	212	191	170	170	260,015
Plumbing and heating combined	8	81	70	72	75	76	87	75	72	75	71	69	69	113,411
Painting, decorating, and glazing	4	12	16	22	20	52	52	55	55	55	55	48	38	60,023
Roofing and sheet-metal work	15	194	187	198	215	233	221	235	245	260	265	255	229	228,776
Marble, tiling, and plastering	8	90	127	150	165	196	111	128	132	161	200	226	271	274,078
Other classes ²	3	122	52	63	99	94	178	166	162	128	97	85	73	210,320

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	
ALABAMA—Continued.														
<i>Length of working week</i>														
General contractors.....	101	6,125	5,706	6,307	6,999	7,645	7,639	8,069	8,036	7,804	7,960	6,948	6,567	\$7,740,010
40-hour, 5-day week.....	4	177	206	250	311	350	306	371	392	385	436	273	181	432,467
45-hour, 5-day week.....	1	75	75	75	75	75	90	125	125	100	100	100	100	45,000
50-hour, 5-day week.....	1	75	75	75	75	75	90	125	125	100	100	100	100	45,000
All other 5-day week.....	19	590	665	638	780	913	926	871	719	818	724	617	521	826,343
44-hour, 5½-day week.....	3	18	50	50	64	60	55	48	54	49	78	44	27	85,040
49½-hour, 5½-day week.....	17	418	306	329	415	510	570	712	800	986	833	587	616	548,442
55-hour, 5½-day week.....	20	299	371	522	615	610	621	636	698	576	638	560	630	580,568
All other 5½-day week.....	1	191	208	154	248	350	275	809	337	361	370	280	296	355,953
48-hour, 6-day week.....	4	296	265	337	261	282	272	211	257	310	380	381	399	205,201
54-hour, 6-day week.....	20	3,723	3,358	3,480	3,578	3,690	3,692	3,854	3,632	3,277	3,502	3,554	3,189	3,728,045
60-hour, 6-day week.....	7	173	152	206	409	594	619	690	659	650	444	234	284	563,667
All other 6-day week.....	4	60	47	40	76	76	82	193	187	186	186	200	262	217,031
All other not designated.....	1	105	103	127	110	126	128	190	110	105	269	103	62	154,329
Not reported.....	1	105	103	127	110	126	128	190	110	105	269	103	62	154,329
Subcontractors.....	70	863	824	878	984	1,041	1,137	1,137	1,159	1,206	1,183	1,086	1,087	1,465,650
40-hour, 5-day week.....	18	227	215	240	250	257	233	257	275	257	280	257	263	428,708
45-hour, 5-day week.....	1	11	9	6	8	8	6	7	7	7	8	7	7	13,867
50-hour, 5-day week.....	1	11	9	6	8	8	6	7	7	7	8	7	7	13,867
All other 5-day week.....	24	223	242	252	265	290	290	284	316	365	413	404	384	481,197
44-hour, 5½-day week.....	2	14	47	43	34	40	55	78	34	21	9	21	23	42,709
49½-hour, 5½-day week.....	5	54	59	79	102	122	117	102	104	99	82	85	77	92,447
55-hour, 5½-day week.....	8	109	102	98	110	112	111	125	133	138	126	109	118	108,871
All other 5½-day week.....	5	45	37	29	39	36	52	35	39	40	40	35	32	44,170
48-hour, 6-day week.....	4	139	68	83	116	119	204	188	199	138	125	116	134	216,790
54-hour, 6-day week.....	1	24	28	32	40	26	22	28	30	20	20	22	25	33,580
60-hour, 6-day week.....	1	10	12	9	12	15	20	25	15	15	15	20	16	12,396
All other 6-day week.....	1	7	5	7	8	7	7	8	7	6	10	10	8	10,944
Not reported.....	1	7	5	7	8	7	7	8	7	6	10	10	8	10,944
BIRMINGHAM														
<i>Classification of establishments</i>														
General contractors.....	53	4,368	4,036	4,582	4,932	5,306	5,202	5,411	5,251	5,090	5,376	4,991	4,561	5,424,823
Building.....	34	1,026	959	1,144	1,319	1,495	1,375	1,385	1,532	1,684	1,607	1,353	1,273	1,605,814
Building not specialized.....	24	886	795	921	1,035	1,184	1,052	981	1,086	1,258	1,244	1,069	1,043	1,275,500
Commercial building only.....	3	76	80	115	135	158	140	203	263	260	247	204	138	196,014
Residential building only.....	7	64	78	108	149	163	183	177	183	166	120	80	92	130,340
Highway.....	6	645	631	741	797	895	867	973	1,081	956	917	868	644	600,191
Bridge, culvert, and railroad.....	3	161	150	242	302	332	324	360	384	410	355	238	301	228,455
Street paving.....	6	290	295	308	304	353	411	471	385	375	447	240	204	314,288
Other classes ¹	4	2,246	1,994	2,087	2,160	2,231	2,225	2,226	1,869	1,656	1,990	2,302	2,139	2,667,075
Subcontractors.....	41	536	463	494	564	582	634	650	680	620	612	565	520	915,246
Electrical.....	5	71	66	60	65	65	55	61	47	40	54	57	42	98,747
Heating and plumbing.....	11	124	123	126	136	121	125	130	143	138	127	100	105	236,106
Plumbing.....	5	55	55	56	62	54	59	64	69	60	57	46	54	130,433
Plumbing and heating combined.....	6	69	68	70	74	67	66	66	74	73	70	54	51	105,672
Painting, decorating, and glazing.....	3	9	9	13	18	23	28	30	37	27	40	36	32	48,023
Roofing and sheet-metal work.....	13	153	143	152	164	192	183	188	197	208	220	211	173	201,295
Marble, tiling, and plastering.....	5	43	58	67	68	63	43	59	45	58	65	61	78	93,884
Other classes ⁴	4	136	69	76	113	113	200	192	211	149	106	100	90	237,192
<i>Length of working week²</i>														
General contractors.....	53	4,368	4,036	4,582	4,932	5,306	5,202	5,411	5,251	5,090	5,376	4,991	4,561	5,424,823
40-hour, 5-day week.....	4	177	206	250	311	350	306	371	392	385	436	273	181	432,467
44-hour, 5½-day week.....	15	484	427	511	634	787	810	710	578	708	609	487	406	671,954
49½-hour, 5½-day week.....	1	23	35	40	40	40	15	15	18	18	26	10	10	26,550
55-hour, 5½-day week.....	2	23	24	31	36	36	30	33	34	45	42	30	20	24,000
All other 5½-day week.....	12	80	77	203	237	286	291	307	314	274	353	303	330	242,284
48-hour, 6-day week.....	4	296	265	337	261	282	272	211	257	310	380	381	399	205,201
54-hour, 6-day week.....	10	3,123	2,832	2,957	3,084	3,228	3,173	3,313	3,130	2,754	2,904	3,145	2,797	3,343,149
60-hour, 6-day week.....	2	83	83	61	123	128	136	209	250	335	202	85	132	126,098
All other 6-day week.....	2	47	34	35	46	43	41	62	102	101	156	171	284	198,791
All other not designated.....	1	105	103	127	110	126	128	190	110	105	269	103	62	154,329
Not reported.....	1	105	103	127	110	126	128	190	110	105	269	103	62	154,329
Subcontractors.....	41	536	463	494	564	582	634	650	680	620	612	565	520	915,246
40-hour, 5-day week.....	18	227	215	240	250	257	233	257	275	257	280	257	263	428,708
45-hour, 5-day week.....	1	11	9	6	8	8	6	7	7	7	8	7	7	13,867
All other 5-day week.....	12	120	124	126	137	139	135	138	138	156	170	143	104	182,328
44-hour, 5½-day week.....	1	14	17	13	14	19	22	27	19	21	0	15	17	26,872
49½-hour, 5½-day week.....	2	10	9	11	10	12	14	8	13	12	7	11	12	17,709
55-hour, 5½-day week.....	2	15	15	11	16	17	15	14	15	16	13	8	9	23,810
All other 5½-day week.....	1	5	3	4	8	9	9	4	6	5	4	4	4	7,770
48-hour, 6-day week.....	3	124	59	74	109	106	180	170	192	131	106	100	88	201,812
54-hour, 6-day week.....	1	10	12	9	12	15	20	25	15	15	15	20	16	12,366
All other 6-day week.....	1	10	12	9	12	15	20	25	15	15	15	20	16	12,366
Not reported.....	1	10	12	9	12	15	20	25	15	15	15	20	16	12,366

¹ Includes railroad; foundation; and central station, light, and power plant.
² Includes steel erection and grading.
³ Includes sewer, gas, water, conduit; foundation; and central station, light, and power plant.
⁴ Includes concreting, steel erection, and grading.
⁵ See complete classification in the tabulation for the State above.

CONSTRUCTION—ALABAMA

TABLE 8.—EXPENDITURES OF REPORTING ESTABLISHMENTS: 1929

CLASSIFICATION OF ESTABLISHMENTS	Es-tab-lish-ments re-ported	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		Inter-est	Con-tract bond pre-miums	Com-pen-sation and liability in-surance pre-miums	All other over-head ex-pen-ses
						Propri-eters and firm mem-bers	Em-ploy-ees	Equip-ment	Offices, etc.				
ALABAMA	159	\$42, 183, 958	\$6, 696, 000	\$8, 905, 535	\$17, 832, 566	\$246, 785	\$3, 257, 017	\$70, 657	\$201, 184	\$350, 123	\$199, 373	\$199, 336	\$2, 777, 711
General contractors.....	97	36, 715, 790	6, 635, 000	7, 520, 038	15, 231, 077	130, 198	2, 915, 988	62, 755	105, 840	321, 596	192, 457	148, 725	2, 373, 183
Building.....	55	14, 153, 957	3, 405, 000	3, 139, 600	5, 459, 430	71, 169	673, 911	24, 343	29, 965	77, 963	84, 885	68, 069	331, 728
Building not specialized.....	53	12, 806, 191	3, 147, 000	2, 789, 446	4, 082, 259	64, 929	607, 411	24, 343	23, 935	69, 083	83, 900	64, 674	298, 748
Commercial building only.....	9	687, 125	170, 000	196, 914	236, 962	-----	37, 066	-----	1, 770	2, 378	-----	2, 122	19, 049
Residential building only.....	3	600, 641	142, 000	156, 240	240, 218	0, 240	20, 434	-----	4, 260	6, 502	925	1, 273	13, 931
Highway.....	9	5, 879, 750	2, 417, 000	728, 880	1, 305, 503	13, 287	181, 068	19, 280	7, 494	94, 898	69, 773	34, 508	1, 200, 485
Bridge and culvert.....	3	859, 589	4, 000	245, 295	466, 004	8, 100	52, 927	3, 773	1, 850	6, 407	9, 797	10, 263	10, 884
Grading.....	4	299, 051	1, 000	119, 933	-----	-----	28, 392	3, 424	2, 455	5, 804	1, 823	5, 210	81, 107
Street paving.....	9	1, 694, 538	194, 000	375, 973	727, 626	20, 800	80, 888	535	8, 460	5, 486	13, 881	7, 861	170, 281
Sewer, gas, water, conduit.....	4	791, 996	163, 000	222, 686	258, 556	8, 340	34, 170	1, 700	1, 700	3, 858	11, 183	13, 525	40, 465
Other classes ¹	3	13, 036, 010	386, 000	2, 087, 709	0, 993, 949	-----	1, 864, 032	0, 700	113, 920	127, 200	1, 115	9, 289	529, 233
Subcontractors.....	62	5, 468, 192	61, 000	1, 385, 497	2, 601, 489	110, 589	341, 020	7, 902	35, 385	28, 527	6, 916	50, 611	404, 528
Electrical.....	9	598, 733	-----	141, 801	312, 414	28, 920	27, 270	180	0, 967	1, 901	2, 067	1, 681	38, 212
Heating and plumbing.....	24	1, 948, 446	24, 000	449, 230	664, 953	50, 404	92, 318	50	13, 883	6, 282	4, 740	4, 288	129, 523
Heating and piping.....	6	464, 593	20, 000	109, 536	206, 126	9, 152	27, 613	50	3, 772	530	1, 893	1, 304	45, 822
Plumbing.....	13	1, 198, 391	4, 000	263, 381	637, 230	30, 952	50, 385	-----	7, 441	4, 063	2, 703	2, 360	71, 068
Plumbing and heating com-bined.....	5	285, 402	-----	86, 322	122, 588	10, 300	8, 320	-----	2, 370	1, 689	150	624	12, 033
Painting and decorating.....	3	110, 842	2, 000	53, 923	28, 326	-----	10, 395	-----	1, 494	102	-----	1, 162	6, 341
Roofing and sheet-metal work.....	14	1, 040, 920	3, 000	225, 538	477, 883	29, 265	98, 830	4, 170	7, 521	16, 285	-----	5, 621	120, 703
Marble, tiling, and plastering.....	3	1, 075, 749	4, 000	274, 078	619, 682	-----	77, 096	-----	4, 550	3, 348	-----	2, 677	42, 581
Other classes ²	4	693, 475	28, 000	241, 823	204, 231	2, 000	35, 120	3, 513	1, 020	540	103	35, 182	67, 103
BIRMINGHAM	85	30, 668, 481	4, 675, 000	6, 231, 326	13, 068, 674	104, 953	2, 765, 696	62, 995	168, 998	276, 827	109, 621	137, 553	2, 238, 521
General contractors.....	51	27, 644, 675	4, 625, 000	5, 890, 695	11, 897, 120	64, 504	2, 576, 876	55, 273	149, 611	254, 981	108, 334	93, 216	1, 947, 621
Building.....	33	7, 472, 153	1, 860, 000	1, 691, 003	2, 674, 728	30, 904	423, 220	23, 257	19, 892	20, 660	32, 857	30, 792	174, 255
Building not specialized.....	24	6, 336, 192	1, 560, 000	1, 285, 349	2, 567, 124	33, 064	359, 320	23, 257	13, 862	21, 801	32, 232	33, 891	142, 475
Commercial building only.....	3	687, 125	176, 000	190, 914	236, 962	-----	37, 066	-----	1, 770	2, 378	-----	2, 122	19, 049
Residential building only.....	6	448, 841	118, 000	103, 740	170, 642	0, 240	26, 834	-----	4, 260	5, 477	625	779	12, 731
Highway.....	6	5, 163, 363	2, 326, 000	693, 191	949, 411	4, 500	109, 681	10, 280	7, 194	90, 187	61, 088	30, 463	1, 094, 040
Bridge, culvert, and railroad.....	3	967, 887	4, 000	223, 455	612, 899	-----	60, 347	12, 436	1, 655	3, 000	0, 062	10, 564	34, 040
Street paving.....	5	1, 042, 712	40, 000	252, 570	480, 997	20, 100	66, 257	-----	6, 150	3, 361	3, 279	5, 472	131, 106
Other classes ³	4	12, 998, 555	386, 000	2, 724, 176	0, 962, 205	-----	1, 860, 362	300	114, 420	128, 837	4, 448	9, 925	514, 174
Subcontractors.....	34	3, 023, 750	50, 000	831, 631	1, 231, 554	40, 449	218, 720	7, 092	19, 387	20, 846	1, 287	44, 337	200, 900
Heating and plumbing.....	11	1, 012, 612	13, 000	244, 403	488, 814	14, 512	56, 293	-----	7, 192	4, 074	1, 200	1, 925	87, 699
Heating and piping ⁴	6	423, 920	10, 000	110, 001	177, 214	8, 720	22, 265	-----	2, 722	898	430	1, 087	40, 911
Plumbing.....	6	588, 692	3, 000	134, 462	311, 600	5, 792	34, 028	-----	4, 440	3, 176	773	838	40, 788
Roofing.....	11	835, 205	3, 000	187, 397	364, 131	18, 977	80, 310	4, 179	6, 561	14, 195	-----	4, 832	112, 280
Marble, tiling, and plastering.....	5	328, 170	4, 000	93, 884	131, 158	-----	34, 519	-----	2, 210	1, 828	-----	1, 333	19, 448
Other classes ⁵	7	847, 769	30, 000	305, 867	267, 451	0, 960	47, 598	3, 454	749	-----	78	36, 247	71, 473

¹ Includes railroad; foundation; and central station, light and power plant.
² Includes concreting; and steel erection.
³ Includes sewer, gas, water, conduit; foundation; and central station, light and power plant.
⁴ Includes plumbing and heating combined.
⁵ Includes concreting; electrical; painting and decorating; and steel erection.

CONSTRUCTION—ALABAMA

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 contractor	Subcontractors		All classes of establishments			General contractor	Subcontractors
	Amount	Per cent distribution	Per \$1,000 construction work done ¹				Amount	Per cent distribution	Per \$1,000 construction work done ¹		
ALABAMA						BIRMINGHAM					
All kinds of material.....	\$19,379,536		\$498.95	\$16,229,803	\$3,149,733	All kinds of material.....	\$13,062,275		\$501.17	\$12,144,941	\$1,517,334
Distribution not reported.....	2,439,688	12.6		2,074,715	364,968	Distribution not reported.....	1,092,241	8.0		901,850	190,391
Distributed by kind.....	16,939,853	100.0		14,155,088	2,784,765	Distributed by kind.....	12,570,034	100.0		11,243,091	1,326,943
Sand, gravel, stone, slag, cinders, etc.....	1,240,152	7.4	36.79	1,221,278	27,874	Sand, gravel, stone, slag, cinders, etc.....	832,854	6.6	33.21	815,354	17,500
Brick (face, common, fire, paving, etc.).....	661,948	3.9	19.50	661,668	280	Brick (face, common, fire, paving, etc.).....	424,904	3.4	16.94	424,904	
Tile (fireproofing).....	66,097	.4	1.05	66,097		Tile (fireproofing).....	20,150	.2	.80	20,150	
Tile, facing, terra cotta, floor, and wall.....	120,039	.7	3.54	88,343	31,696	Tile, facing, terra cotta, floor, and wall.....	105,033	.8	4.19	81,337	23,696
Concrete and cinder block.....	51,011	.3	1.50	51,011		Concrete and cinder block.....	43,563	.3	1.74	43,563	
Cut stone, granite and marble.....	295,695	1.8	8.74	295,695		Cut stone, granite and marble.....	168,188	1.3	6.71	124,622	43,566
Riprap, rubble, etc.....	494,764	2.9	14.57	12,165	482,599	Riprap, rubble, etc.....	10,165	.1	.41	10,165	
Cement.....	1,244,332	7.3	36.65	1,209,521	34,811	Cement.....	734,488	5.8	29.28	715,538	18,950
Lime.....	51,153	.3	1.51	49,510	1,643	Lime.....	25,032	.2	1.00	23,572	1,460
Plaster, etc.....	91,996	.5	2.71	67,855	24,141	Plaster, etc.....	40,108	.3	2.50	41,167	22,936
Structural steel.....	1,073,680	6.3	31.62	975,907	97,773	Structural steel.....	897,313	7.1	35.78	790,797	97,516
Reinforcing steel.....	430,263	2.5	14.15	478,126	2,137	Reinforcing steel.....	310,371	2.5	12.73	318,771	600
Cast iron, miscellaneous, excluding pipe.....	78,317	.5	2.31	78,317		Cast iron, miscellaneous, excluding pipe.....	54,594	.4	2.18	54,594	
Metal doors, windows, and trim.....	158,085	.9	4.66	93,652	64,433	Metal doors, windows, and trim.....	122,288	1.0	4.88	57,855	64,433
Metal and wire lath and furring.....	53,822	.3	1.59	29,802	24,000	Metal and wire lath and furring.....	30,243	.3	1.44	12,243	24,000
Ornamental metal work.....	78,099	.5	2.30	78,099		Ornamental metal work.....	35,342	.3	1.41	35,342	
Lumber, rough and finished.....	985,644	5.8	20.11	980,118	4,926	Lumber, rough and finished.....	659,774	5.2	26.31	657,758	2,016
Lath, shingles, and shakes (wood).....	30,095	.2	.89	28,695	1,400	Lath, shingles, and shakes (wood).....	8,845	.1	.35	7,445	1,400
Millwork.....	448,260	2.6	13.20	448,260		Millwork.....	236,300	1.9	9.42	236,300	
Composition board.....	49,116	.3	1.45	40,766	8,350	Composition board.....	31,592	.3	1.20	31,142	450
Waterproofing materials.....	24,947	.1	.73	21,197	3,750	Waterproofing materials.....	15,816	.1	.63	14,366	1,450
Hardware, rough and finished.....	194,505	1.1	5.73	190,006	3,599	Hardware, rough and finished.....	103,301	.8	4.12	100,502	2,799
Paints, varnishes, glass.....	176,732	1.0	5.20	109,042	66,790	Paints, varnishes, glass.....	121,985	1.0	4.86	67,195	54,790
Roofing and sheet metal.....	615,319	3.6	18.12	152,654	462,665	Roofing and sheet metal.....	400,451	3.2	15.97	103,209	297,242
Finished flooring (other than cement, wood, or tile).....	33,469	.2	.99	33,469		Finished flooring (other than cement, wood, or tile).....	23,031	.2	.92	23,031	
Screens, shades, awnings, etc.....	11,645	.1	.34	11,645		Screens, shades, awnings, etc.....	6,742	.1	.27	6,742	
Heating and ventilating equipment.....	1,146,262	6.8	33.76	810,514	335,748	Heating and ventilating equipment.....	994,346	7.9	39.64	789,200	205,146
Plumbing and gas-fitting equipment.....	675,760	4.0	19.90	67,784	607,976	Plumbing and gas-fitting equipment.....	322,377	2.6	12.80	42,539	279,838
Electrical appliances and supplies.....	3,602,521	21.3	106.11	3,170,981	431,540	Electrical appliances and supplies.....	3,305,047	26.3	131.77	3,163,849	141,198
Elevators, dumb-waiters, and equipment.....	25,305	.1	.74	14,427	10,878	Elevators, dumb-waiters, and equipment.....	20,453	.2	.82	9,575	10,878
Pipe: Drain tile, vitrified, concrete, segment tile, corrugated.....	107,102	.6	3.15	94,591	12,511	Pipe: Drain tile, vitrified, concrete, segment tile, corrugated.....	58,430	.5	2.33	54,370	4,060
Pipe: Cast-iron, sheet and tube steel, etc.....	470,247	2.8	13.85	433,440	36,807	Pipe: Cast-iron, sheet and tube steel, etc.....	346,509	2.8	13.82	335,559	10,950
Wire cable, guards, and fencing.....	13,775	.1	.40	13,775		Wire cable, guards, and fencing.....	11,275	.1	.45	11,275	
Bituminous paving materials, tar, asphalt, and oil.....	147,688	.9	4.35	142,923	4,765	Bituminous paving materials, tar, asphalt, and oil.....	140,746	1.1	5.61	140,746	
Wood piling and timber.....	15,638	.1	.46	15,038	600	Ready mixed concrete.....	172,141	1.4	6.86	172,141	
Ready mixed concrete.....	172,141	1.0	5.07	172,141		Machinery.....	1,600,000	12.7	63.79	1,600,000	
Machinery.....	1,600,000	9.4	47.13	1,600,000		Freight, hauling or trucking to job.....	14,594	.1	.58	14,594	
Freight, hauling or trucking to job.....	14,594	.1	.43	14,594		Metal products, n. e. s. (including metal furniture).....	4,031	(*)	.16	4,031	
Chemical and chemical products.....	6,715	(*)	.20	6,715		Mineral products (nonmetallic), n. e. s.....	1,913	(*)	.08	1,913	
Metal products, n. e. s. (including metal furniture).....	21,885	.1	.64	21,231	654	Textiles and calking materials.....	700	(*)	.03	700	
Mineral products (nonmetallic), n. e. s.....	1,913	(*)	.05	1,913		Miscellaneous.....	75,888	.6	3.03	75,819	69
Sealing materials.....	500	(*)	.01	500							
Textiles and calking materials.....	2,575	(*)	.07	2,575							
Miscellaneous.....	96,697	.6	2.85	96,142	555						

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 The percentage of total cost shown for this item is high because the figures include equipment and machinery used on large electric power plants

⁴ Less than one-tenth of 1 per cent.

CONSTRUCTION—ALABAMA

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 distributed material	Cost of all materials distributed by kind	Amount	Per cent of—			Cost of all distributed material	
			Total cost	Cost of all distributed material							Total cost				Cost of all distributed material
ALABAMA						ALABAMA—Continued									
<i>Sand, gravel, stone, slag, cinders, etc.²</i>						<i>Cement³—Continued</i>									
All classes.....	\$16,930,853	\$1,240,152	100.0	7.4	\$35,688,321	84.7	General contractors—Contd.								
General contractors.....	14,155,088	1,221,278	97.8	8.6	30,406,707	82.3	Highway.....	\$1,057,327	\$280,054	22.5	26.6	\$3,117,930	59.0		
Building.....	4,403,097	255,985	20.5	5.8	10,423,886	75.9	Bridge and culvert.....	722,909	80,521	7.2	12.4	1,312,777	99.7		
Building not specialized.....	3,590,497	194,138	15.5	5.4	8,636,656	75.2	Street paving.....	734,816	242,434	19.5	33.0	1,742,535	91.6		
Commercial building only.....	186,962	7,112	.0	3.8	513,253	74.5	Sewer, gas, water, conduit.....	242,900	0,701	.8	4.0	772,600	81.2		
Manufacturing building only.....	343,200	45,000	3.0	13.1	594,466	89.9	Railroad.....	134,804	18,870	1.5	14.0	324,930	100.0		
Residential building only.....	273,438	0,735	.8	3.6	679,511	77.2	Foundation.....	112,171	6,970	.6	6.2	262,313	96.2		
Highway.....	1,057,327	562,075	45.1	53.2	3,117,930	50.0	Central station, light and power plant.....	0,746,884	210,000	16.0	3.1	12,449,667	97.0		
Bridge and culvert.....	722,909	70,256	6.1	10.5	3,112,777	99.7	Subcontractors.....	\$2,784,765	34,811	2.8	1.3	\$5,281,614	99.0		
Street paving.....	734,816	198,800	15.0	27.1	1,742,535	91.6	Concreting.....	54,691	31,100	2.5	56.9	150,382	100.0		
Sewer, gas, water, conduit.....	242,900	6,800	.5	2.8	772,600	81.2	Roofing and sheet-metal work.....	496,562	3,000	.2	.0	1,065,403	99.7		
Railroad.....	134,804	3,865	.7	6.8	324,930	100.0	Roofing.....	478,878	3,000	.2	.0	1,032,693	99.8		
Foundation.....	112,171	2,277	.2	2.0	262,313	96.2	Marble and tiling.....	520,506	828	.1	.2	818,746	100.8		
Central station, light and power plant.....	0,746,884	109,230	8.7	1.6	12,449,667	97.0	<i>Structural steel</i>								
Subcontractors.....	\$2,784,765	27,874	2.2	1.0	\$5,281,614	99.0	All classes.....	10,930,853	1,073,680	100.0	6.3	35,688,321	84.7		
Concreting.....	54,691	13,346	1.1	24.4	150,382	100.0	General contractors.....	14,155,088	975,907	90.0	6.9	30,406,707	82.3		
Roofing and sheet-metal work.....	496,562	3,000	.2	.0	1,065,403	99.7	Building.....	4,403,097	378,102	35.2	8.0	10,423,886	75.9		
Roofing.....	478,878	3,000	.2	.0	1,032,693	99.8	Building not specialized.....	3,590,497	246,621	23.0	6.9	8,636,656	75.2		
Marble and tiling.....	520,506	828	.1	.2	818,746	100.8	Commercial building only.....	186,962	9,641	.9	5.2	513,253	74.5		
<i>Brick (face, common, fire, paving, etc.)</i>							Manufacturing building only.....	343,200	120,000	11.2	35.0	594,466	89.9		
All classes.....	10,930,853	661,948	100.0	3.9	35,688,321	84.7	Residential building only.....	273,438	1,900	.2	.7	679,511	77.2		
General contractors.....	\$14,155,088	661,998	100.0	4.7	\$30,406,707	82.3	Highway.....	1,057,327	5,544	.5	5.5	3,117,930	59.0		
Building.....	4,403,097	452,042	68.3	10.3	10,423,886	75.9	Bridge and culvert.....	722,909	227,262	21.2	31.4	1,312,777	99.7		
Building not specialized.....	3,590,497	397,318	60.0	11.0	8,636,656	75.2	Street paving.....	734,816	3,030	.3	.4	1,742,535	91.6		
Commercial building only.....	186,962	8,418	1.3	4.5	513,253	74.5	Sewer, gas, water, conduit.....	242,900	1,000	.1	.4	772,600	81.2		
Manufacturing building only.....	343,200	3,600	.5	1.0	594,466	89.9	Railroad.....	134,804	78,107	7.3	57.9	324,930	100.0		
Residential building only.....	273,438	42,706	6.5	15.0	679,511	77.2	Foundation.....	112,171	11,250	1.0	10.0	262,313	96.2		
Highway.....	1,057,327	1,764	.3	.2	3,117,930	50.0	Central station, light and power plant.....	0,746,884	271,502	25.3	4.0	12,449,667	97.0		
Bridge and culvert.....	722,909	30,810	6.0	5.5	1,312,777	99.7	Subcontractors.....	\$2,784,765	97,773	0.1	3.5	\$5,281,614	99.0		
Street paving.....	734,816	3,140	.5	.4	1,742,535	91.6	Concreting.....	54,691	257	(*)	.5	150,382	100.0		
Sewer, gas, water, conduit.....	242,900	14,700	2.2	6.0	772,600	81.2	Roofing and sheet-metal work.....	496,562	2,073	.2	.4	1,065,403	99.7		
Foundation.....	112,171	76,635	11.6	68.3	262,313	96.2	Roofing.....	478,878	2,073	.2	.4	1,032,693	99.8		
Central station, light and power plant.....	0,746,884	73,592	11.1	1.1	12,449,667	97.0	Steel erection.....	162,538	95,443	8.9	58.7	220,876	95.2		
Subcontractors.....	\$2,784,765	250	(*)	(*)	\$5,281,614	99.0	<i>Reinforcing steel</i>								
Concreting.....	54,691	250	(*)	.5	150,382	100.0	All classes.....	10,930,853	480,263	100.0	2.8	35,688,321	84.7		
<i>Cut stone, granite and marble</i>							General contractors.....	14,155,088	478,126	99.6	3.4	30,406,707	82.3		
All classes.....	16,930,853	296,665	100.0	1.8	35,688,321	84.7	Building.....	\$4,403,097	212,934	44.3	4.8	10,423,886	75.9		
General contractors.....	\$14,155,088	296,665	100.0	2.1	\$30,406,707	82.3	Building not specialized.....	3,590,497	152,037	31.7	4.2	8,636,656	75.2		
Building.....	4,403,097	284,835	96.0	6.5	10,423,886	75.9	Manufacturing building only.....	186,962	60,000	12.5	17.5	594,466	89.9		
Building not specialized.....	3,590,497	268,045	90.0	7.5	8,636,656	75.2	Residential building only.....	273,438	897	.2	.3	679,511	77.2		
Commercial building only.....	186,962	12,247	4.1	6.0	513,253	74.5	Highway.....	1,057,327	42,384	8.8	4.0	3,117,930	59.0		
Manufacturing building only.....	343,200	3,943	1.3	1.4	594,466	89.9	Bridge and culvert.....	722,909	108,288	22.5	15.0	1,312,777	99.7		
Residential building only.....	273,438	3,943	1.3	1.4	594,466	89.9	Street paving.....	734,816	10,609	4.0	2.6	1,742,535	91.6		
Highway.....	1,057,327	920	.3	.1	3,117,930	50.0	Sewer, gas, water, conduit.....	242,900	1,000	.2	.4	772,600	81.2		
Bridge and culvert.....	722,909	5,910	2.0	.8	1,312,777	99.7	Railroad.....	134,804	10,331	2.3	8.0	324,930	100.0		
Street paving.....	734,816	5,910	2.0	.8	1,742,535	91.6	Foundation.....	112,171	500	.1	.5	262,313	96.2		
Central station, light and power plant.....	0,746,884	5,000	1.7	.1	12,449,667	97.0	Central station, light and power plant.....	0,746,884	83,000	17.3	1.2	12,449,667	97.0		
Subcontractors.....	\$2,784,765	482,599	97.5	17.3	\$5,281,614	99.0	Subcontractors.....	\$2,784,765	2,137	.4	.1	\$5,281,614	99.0		
Marble and tiling.....	520,506	482,599	97.5	92.7	818,746	100.0	Concreting.....	54,691	2,137	.4	3.9	150,382	100.0		
<i>Cement³</i>							<i>Lumber, rough and finished</i>								
All classes.....	16,930,853	1,244,332	100.0	7.3	35,688,321	84.7	All classes.....	16,930,853	985,044	100.0	5.8	35,688,321	84.7		
General contractors.....	\$14,155,088	1,209,521	97.2	8.5	\$30,406,707	82.3	General contractors.....	14,155,088	980,113	99.5	6.9	30,406,707	82.3		
Building.....	4,403,097	351,965	28.3	8.0	10,423,886	75.9	Building.....	4,403,097	756,767	70.8	17.2	10,423,886	75.9		
Building not specialized.....	3,590,497	278,433	22.4	7.7	8,636,656	75.2	Building not specialized.....	3,590,497	610,090	62.5	17.1	8,636,656	75.2		
Commercial building only.....	186,962	21,819	1.8	1.8	513,253	74.5	Commercial building only.....	186,962	22,579	2.3	12.1	513,253	74.5		
Manufacturing building only.....	343,200	45,000	3.6	13.1	594,466	89.9	Manufacturing building only.....	343,200	40,000	4.1	11.7	594,466	89.9		
Residential building only.....	273,438	6,683	.6	2.4	679,511	77.2	Residential building only.....	273,438	78,098	7.9	28.6	679,511	77.2		
Highway.....	1,057,327	2,206	.2	.2	3,117,930	59.0	Highway.....	1,057,327	2,206	.2	.2	3,117,930	59.0		
Bridge and culvert.....	722,909	69,862	7.1	9.7	1,312,777	99.7	Bridge and culvert.....	722,909	69,862	7.1	9.7	1,312,777	99.7		
Street paving.....	734,816	10,758	1.1	1.5	1,742,535	91.6	Street paving.....	734,816	10,758	1.1	1.5	1,742,535	91.6		
Sewer, gas, water, conduit.....	242,900	8,000	.8	3.3	772,600	81.2	Sewer, gas, water, conduit.....	242,900	8,000	.8	3.3	772,600	81.2		
Railroad.....	134,804	16,100	1.6	11.9	324,930	100.0	Railroad.....	134,804	16,100	1.6	11.9	324,930	100.0		
Foundation.....	112,171	1,625	.2	1.4	262,313	96.2	Foundation.....	112,171	1,625	.2	1.4	262,313	96.2		
Central station, light and power plant.....	0,746,884	114,800	11.7	1.7	12,449,667	97.0	Central station, light and power plant.....	0,746,884	114,800	11.7	1.7	12,449,667	97.0		

See footnotes at end of table.

CONSTRUCTION—ALABAMA

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	Total cost	Per cent of—			Total cost	Per cent of—
			Total cost	Cost of all distributed material											
ALABAMA—Continued						ALABAMA—Continued									
<i>Lumber, rough and finished—Continued</i>						<i>Heating and ventilating equipment—Contd.</i>									
Subcontractors.....	\$2,784,765	\$4,026	0.5	0.2	\$5,281,614	90.0	Subcontractors.....	\$2,784,765	\$335,748	29.3	12.1	\$5,281,614	90.0		
Concreting.....	54,691	3,178	.3	5.8	150,382	100.0	Heating and plumbing.....	993,078	311,275	27.2	31.3	1,871,741	99.0		
Plastering and lathing.....	63,896	1,000	.1	1.6	155,000	97.4	Heating and piping.....	170,126	94,500	8.2	55.5	384,593	95.7		
Roofing and sheet-metal work.....	496,562	750	.1	.2	1,065,493	99.7	Plumbing.....	707,587	193,410	16.9	25.2	1,378,871	99.7		
Roofing.....	478,878	750	.1	.2	1,032,604	99.8	Plumbing and heating combined.....	55,365	23,365	2.0	42.2	108,277	100.0		
<i>Millwork</i>						<i>Roofing and sheet metal work.....</i>									
All classes.....	16,939,853	448,260	100.0	2.6	35,688,321	84.7	Roofing.....	496,562	24,473	2.1	4.9	1,065,493	99.7		
General contractors.....	14,155,088	448,260	100.0	3.2	30,406,707	82.3	Roofing.....	478,878	24,473	2.1	5.1	1,032,604	99.8		
Building.....	4,403,097	447,260	99.8	10.2	10,423,886	75.9	<i>Plumbing and gas-fitting equipment</i>								
Building not specialized.....	3,599,497	406,997	90.8	11.3	8,636,656	75.2	All classes.....	16,939,853	675,700	100.0	4.0	35,088,321	84.7		
Commercial building only.....	186,962	13,051	2.9	7.0	513,353	74.5	General contractors.....	14,155,088	67,784	10.0	.5	30,406,707	82.3		
Residential building only.....	273,438	27,212	6.1	10.0	679,511	77.2	Building.....	4,403,097	55,884	8.2	1.3	10,423,886	75.9		
Central station, light and power plant.....	6,746,884	1,000	.2	(*)	12,449,667	97.0	Building not specialized.....	3,599,497	33,372	4.9	.9	8,636,656	75.2		
<i>Hardware, rough and finished</i>						<i>Commercial building only.....</i>									
All classes.....	16,939,853	104,505	100.0	1.1	35,688,321	84.7	Manufacturing building only.....	186,962	8,768	1.3	4.7	513,353	74.5		
General contractors.....	14,155,088	190,006	98.1	1.3	30,406,707	82.3	Residential building only.....	273,438	13,244	2.0	4.8	679,511	77.2		
Building.....	4,403,097	142,101	73.1	3.2	10,423,886	75.9	Street paving.....	734,816	1,500	.2	.2	1,742,535	91.6		
Building not specialized.....	3,599,497	127,340	65.5	3.5	8,636,656	75.2	Sewer, gas, water, conduit.....	242,990	900	.1	.4	772,660	81.2		
Commercial building only.....	186,962	6,288	2.7	2.8	513,253	74.5	Railroad.....	134,894	2,116	1.1	1.6	324,930	100.0		
Manufacturing building only.....	343,200	500	.3	.1	594,466	89.9	Central station, light and power plant.....	6,746,884	1,500	.8	(*)	12,449,667	97.0		
Residential building only.....	273,438	8,073	4.6	3.3	679,511	77.2	Subcontractors.....	2,784,765	3,599	1.9	.1	5,281,614	99.0		
Highway.....	1,067,327	16,726	8.6	1.0	3,117,939	59.0	Concreting.....	54,691	800	1.4	1.5	150,382	100.0		
Bridge and culvert.....	722,909	19,964	10.3	2.8	1,312,777	99.7	Roofing and sheet metal work.....	496,562	2,799	1.4	.0	1,065,493	99.7		
Sewer, gas, water, conduit.....	242,990	8,500	4.4	3.5	772,660	81.2	Roofing.....	478,878	2,799	1.4	.0	1,032,604	99.8		
Railroad.....	134,894	2,116	1.1	1.6	324,930	100.0	<i>Roofing and sheet metal</i>								
Central station, light and power plant.....	6,746,884	1,500	.8	(*)	12,449,667	97.0	All classes.....	16,939,853	615,319	100.0	3.6	35,088,321	84.7		
Subcontractors.....	2,784,765	3,599	1.9	.1	5,281,614	99.0	General contractors.....	14,155,088	152,654	24.8	1.1	30,406,707	82.3		
Concreting.....	54,691	800	1.4	1.5	150,382	100.0	Building.....	4,403,097	132,554	21.5	3.0	10,423,886	75.9		
Roofing and sheet metal work.....	496,562	2,799	1.4	.0	1,065,493	99.7	Building not specialized.....	3,599,497	85,132	13.8	2.4	8,636,656	75.2		
Roofing.....	478,878	2,799	1.4	.0	1,032,604	99.8	Commercial building only.....	186,962	19,980	3.2	10.7	513,253	74.5		
<i>Roofing and sheet metal</i>						<i>Manufacturing building only.....</i>									
All classes.....	16,939,853	615,319	100.0	3.6	35,088,321	84.7	Residential building only.....	343,200	0,000	1.5	2.6	594,466	89.9		
General contractors.....	14,155,088	152,654	24.8	1.1	30,406,707	82.3	Street paving.....	734,816	100	(*)	(*)	1,742,535	91.6		
Building.....	4,403,097	132,554	21.5	3.0	10,423,886	75.9	Central station, light and power plant.....	6,746,884	20,000	3.3	.3	12,449,667	97.0		
Building not specialized.....	3,599,497	85,132	13.8	2.4	8,636,656	75.2	Subcontractors.....	2,784,765	462,665	75.2	16.6	5,281,614	99.0		
Commercial building only.....	186,962	19,980	3.2	10.7	513,253	74.5	Heating and plumbing.....	993,078	15,000	2.4	1.5	1,871,741	99.0		
Manufacturing building only.....	343,200	0,000	1.5	2.6	594,466	89.9	Plumbing.....	707,587	15,000	2.4	2.0	1,378,871	99.7		
Residential building only.....	273,438	18,442	3.0	6.7	679,511	77.2	Roofing and sheet metal work.....	496,562	447,665	72.8	90.2	1,065,493	99.7		
Street paving.....	734,816	100	(*)	(*)	1,742,535	91.6	Roofing.....	478,878	429,981	69.9	89.8	1,032,604	99.8		
Central station, light and power plant.....	6,746,884	20,000	3.3	.3	12,449,667	97.0	Roofing and sheet metal combined.....	17,684	17,684	2.9	100.0	32,889	100.0		
Subcontractors.....	2,784,765	462,665	75.2	16.6	5,281,614	99.0	<i>Heating and ventilating equipment</i>								
Heating and plumbing.....	993,078	15,000	2.4	1.5	1,871,741	99.0	All classes.....	16,939,853	1,146,262	100.0	6.8	35,688,321	84.7		
Plumbing.....	707,587	15,000	2.4	2.0	1,378,871	99.7	General contractors.....	14,155,088	810,514	70.7	5.7	30,406,707	82.3		
Roofing and sheet metal work.....	496,562	447,665	72.8	90.2	1,065,493	99.7	Building.....	4,403,097	58,829	5.1	1.3	10,423,886	75.9		
Roofing.....	478,878	429,981	69.9	89.8	1,032,604	99.8	Building not specialized.....	3,599,497	32,007	2.8	.9	8,636,656	75.2		
Roofing and sheet metal combined.....	17,684	17,684	2.9	100.0	32,889	100.0	Commercial building only.....	186,962	11,694	1.0	6.3	513,253	74.5		
<i>Heating and ventilating equipment</i>						<i>Pipe: Cast-iron, sheet and tube steel, etc.</i>									
All classes.....	16,939,853	1,146,262	100.0	6.8	35,688,321	84.7	All classes.....	16,939,853	470,247	100.0	2.8	35,688,321	84.7		
General contractors.....	14,155,088	810,514	70.7	5.7	30,406,707	82.3	General contractors.....	14,155,088	433,440	92.2	3.1	30,406,707	82.3		
Building.....	4,403,097	58,829	5.1	1.3	10,423,886	75.9	Building.....	4,403,097	7,836	1.7	.2	10,423,886	75.9		
Building not specialized.....	3,599,497	32,007	2.8	.9	8,636,656	75.2	Building not specialized.....	3,599,497	1,336	.3	(*)	8,636,656	75.2		
Commercial building only.....	186,962	11,694	1.0	6.3	513,253	74.5	Manufacturing building only.....	343,200	6,500	1.4	1.9	594,466	89.9		
Manufacturing building only.....	343,200	3,600	.8	1.0	594,466	89.9	Highway.....	1,067,327	8,000	1.7	.8	3,117,939	59.0		
Residential building only.....	273,438	11,628	1.0	4.2	679,511	77.2	Bridge and culvert.....	722,909	223	(*)	(*)	1,312,777	99.7		
Foundation.....	112,171	655	.1	.6	262,313	96.2	Street paving.....	734,816	10,000	2.1	1.4	1,742,535	91.6		
Central station, light and power plant.....	6,746,884	751,000	65.5	11.1	12,449,667	97.0	Sewer, gas, water, conduit.....	242,990	106,831	22.7	44.0	772,660	81.2		
<i>Machinery</i>						<i>Foundation.....</i>									
All classes.....	16,939,853	1,600,000	100.0	9.4	35,688,321	84.7	Central station, light and power plant.....	6,746,884	550	.1	.5	262,313	96.2		
General contractors.....	14,155,088	1,600,000	100.0	11.3	30,406,707	82.3	Subcontractors.....	2,784,765	36,807	7.8	1.8	5,281,614	99.0		
Central station, light and power plant.....	6,746,884	1,600,000	100.0	23.7	12,449,667	97.0	Heating and plumbing.....	993,078	36,807	7.8	3.7	1,871,741	99.0		
						<i>Plumbing.....</i>									
						Subcontractors.....									
						Heating and plumbing.....									
						Plumbing.....									
						All classes.....									
						General contractors.....									
						Central station, light and power plant.....									

See footnotes at end of table.

CONSTRUCTION—ALABAMA

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 material						Total cost	Cost of all distributed material		
BIRMINGHAM						BIRMINGHAM—Continued							
<i>Sand, gravel, stone, slag cinders, etc.</i>						<i>Structural steel</i>							
All classes.....	\$12,570,034	\$332,854	100.0	0.6	\$26,163,174	84.9	All classes.....	\$12,570,034	\$897,313	100.0	7.1	\$26,163,174	84.9
General contractors.....	11,243,001	815,354	97.9	7.3	23,372,749	83.1	General contractors.....	11,243,001	799,797	89.1	7.1	23,372,749	83.1
Building.....	2,585,090	145,775	17.5	5.6	6,018,575	75.2	Building.....	2,585,090	208,832	33.3	11.6	6,018,575	75.2
Building not specialized.....	1,844,686	85,503	10.3	4.6	4,362,015	73.9	Building not specialized.....	1,844,686	167,291	18.6	9.1	4,362,015	73.9
Commercial building only.....	186,962	7,112	.9	3.8	513,253	74.5	Commercial building only.....	186,962	9,041	1.1	5.2	513,253	74.5
Manufacturing building only.....	343,200	45,000	5.4	13.1	594,466	89.9	Manufacturing building only.....	343,200	120,000	13.4	35.0	594,466	89.9
Residential building only.....	210,242	8,160	1.0	3.9	548,841	74.0	Residential building only.....	210,242	1,900	.2	.9	548,841	74.0
Highway.....	700,735	304,466	47.4	56.3	2,234,546	54.6	Highway.....	700,735	1,544	.2	2.2	2,234,546	54.6
Bridge and culvert.....	377,915	39,112	4.7	10.3	642,957	90.4	Bridge and culvert.....	377,915	134,482	15.0	35.0	642,957	90.4
Street paving.....	474,162	100,529	13.2	23.1	1,050,317	94.6	Street paving.....	474,162	3,080	.3	.6	1,050,317	94.6
Sewer, gas, water, conduit.....	111,240	6,100	.7	5.5	389,444	100.0	Sewer, gas, water, conduit.....	111,240	1,000	.1	.9	389,444	100.0
Railroad.....	134,894	8,855	1.1	6.0	324,930	100.0	Railroad.....	134,894	78,107	8.7	57.9	324,930	100.0
Foundation.....	112,171	2,277	.3	2.0	262,313	96.2	Foundation.....	112,171	11,250	1.3	10.0	262,313	96.2
Central station, light and power plant.....	6,746,884	109,230	13.1	1.6	12,449,667	97.0	Central station, light and power plant.....	6,746,884	271,502	30.3	4.0	12,449,667	97.0
Subcontractors.....	\$ 1,320,943	17,500	2.1	1.3	\$ 2,790,425	98.6	Subcontractors.....	\$ 1,320,943	97,516	10.9	7.3	\$ 2,790,425	98.6
Concreting.....	25,565	6,800	.8	26.6	50,000	100.0	Roofing and sheet-metal work.....	328,689	2,073	.2	.9	784,000	99.6
Plastering and lathing.....	63,896	10,700	1.3	16.7	155,000	97.4	Roofing.....	328,689	2,073	.2	.9	784,000	99.7
							Steel erection.....	162,538	95,448	10.6	58.7	220,870	95.2
<i>Brick (face, common, fire, paving, etc.)</i>						<i>Reinforcing steel</i>							
All classes.....	\$ 12,570,034	424,904	100.0	3.4	\$ 26,163,174	84.9	All classes.....	12,570,034	310,371	100.0	2.5	26,163,174	84.9
General contractors.....	\$ 11,243,001	424,904	100.0	3.8	\$ 23,372,749	83.1	General contractors.....	\$ 11,243,001	318,771	99.8	2.8	\$ 23,372,749	83.1
Building.....	2,585,090	219,466	51.7	8.5	6,018,575	75.2	Building.....	2,585,090	130,533	40.9	5.0	6,018,575	75.2
Building not specialized.....	1,844,686	108,363	30.6	9.1	4,362,015	73.9	Building not specialized.....	1,844,686	99,093	21.9	3.8	4,362,015	73.9
Commercial building only.....	186,962	8,418	2.0	4.5	513,253	74.5	Commercial building only.....	186,962	6,000	18.8	17.5	594,466	89.9
Manufacturing building only.....	343,200	3,000	.8	1.0	594,466	89.9	Residential building only.....	210,242	630	.2	.3	548,841	74.0
Residential building only.....	210,242	30,085	0.2	18.0	548,841	74.0	Highway.....	700,735	33,255	10.4	4.7	2,234,546	54.6
Highway.....	700,735	1,764	.4	.3	2,234,546	54.6	Bridge and culvert.....	377,915	46,713	14.6	12.4	642,957	90.4
Bridge and culvert.....	377,915	39,021	0.3	10.5	642,957	90.4	Street paving.....	474,162	13,849	4.3	2.9	1,050,317	94.6
Street paving.....	474,162	2,896	.7	.6	1,050,317	94.6	Railroad.....	134,894	10,831	3.4	8.0	324,930	100.0
Sewer, gas, water, conduit.....	111,240	10,030	2.6	9.8	389,444	100.0	Foundation.....	112,171	590	.2	.5	262,313	96.2
Foundation.....	112,171	70,035	18.0	68.3	262,313	96.2	Central station, light and power plant.....	6,746,884	83,000	26.0	1.2	12,449,667	97.0
Central station, light and power plant.....	6,746,884	73,592	17.3	1.1	12,449,667	97.0	Subcontractors.....	\$ 1,320,943	600	.2	(*)	\$ 2,790,425	98.6
							Concreting.....	25,565	600	.2	2.3	50,000	100.0
<i>Cut stone, granite and marble</i>						<i>Lumber, rough and finished</i>							
All classes.....	12,570,034	168,188	100.0	1.3	26,163,174	84.9	All classes.....	12,570,034	659,774	100.0	5.2	26,163,174	84.9
General contractors.....	\$ 11,243,001	124,622	74.1	1.1	\$ 23,372,749	83.1	General contractors.....	\$ 11,243,001	667,768	99.7	5.9	\$ 23,372,749	83.1
Building.....	2,585,090	112,792	67.1	4.4	6,018,575	75.2	Building.....	2,585,090	485,233	73.5	18.8	6,018,575	75.2
Building not specialized.....	1,844,686	97,045	57.7	5.3	4,362,015	73.9	Building not specialized.....	1,844,686	372,012	66.4	20.2	4,362,015	73.9
Commercial building only.....	186,962	12,247	7.3	6.0	513,253	74.5	Commercial building only.....	186,962	22,579	3.4	12.1	513,253	74.5
Manufacturing building only.....	343,200	3,500	2.1	1.7	548,841	74.5	Manufacturing building only.....	343,200	40,000	6.1	11.7	594,466	89.9
Residential building only.....	210,242	920	.5	.2	548,841	74.0	Residential building only.....	210,242	50,642	7.7	24.1	548,841	74.0
Highway.....	700,735	5,910	.8	.8	2,234,546	54.6	Bridge and culvert.....	377,915	29,842	4.5	7.0	642,957	90.4
Bridge and culvert.....	377,915	5,910	.8	.8	642,957	90.4	Street paving.....	474,162	3,168	.5	.7	1,050,317	94.6
Street paving.....	474,162	920	.5	.2	1,050,317	94.6	Sewer, gas, water, conduit.....	111,240	7,000	1.1	6.3	389,444	100.0
Sewer, gas, water, conduit.....	111,240	10,030	2.6	9.8	389,444	100.0	Railroad.....	134,894	16,100	2.4	11.9	324,930	100.0
Foundation.....	112,171	70,035	18.0	68.3	262,313	96.2	Foundation.....	112,171	1,025	.2	1.4	262,313	96.2
Central station, light and power plant.....	6,746,884	5,000	3.0	.1	12,449,667	97.0	Central station, light and power plant.....	6,746,884	114,800	17.4	1.7	12,449,667	97.0
Subcontractors.....	\$ 1,320,943	43,566	25.9	3.3	\$ 2,790,425	98.6	Subcontractors.....	\$ 1,320,943	2,016	.3	2.0	\$ 2,790,425	98.6
Marble and tiling.....	67,202	43,566	25.9	64.8	173,170	100.0	Concreting.....	25,565	286	(*)	1.0	50,000	100.0
							Plastering and lathing.....	63,896	1,000	.2	1.6	155,000	97.4
<i>Cement</i>						<i>Millwork</i>							
All classes.....	12,570,034	734,488	100.0	5.8	26,163,174	84.9	All classes.....	\$ 12,570,034	236,360	100.0	1.9	\$ 26,163,174	84.9
General contractors.....	\$ 11,243,001	715,538	97.4	6.4	\$ 23,372,749	83.1	General contractors.....	\$ 11,243,001	236,360	100.0	2.1	\$ 23,372,749	83.1
Building.....	2,585,090	201,426	27.4	7.8	6,018,575	75.2	Building.....	2,585,090	235,360	99.0	9.1	6,018,575	75.2
Building not specialized.....	1,844,686	128,044	17.0	7.0	4,362,015	73.9	Building not specialized.....	1,844,686	201,178	85.1	10.9	4,362,015	73.9
Commercial building only.....	186,962	21,819	3.0	11.7	513,253	74.5	Commercial building only.....	186,962	18,051	5.5	7.0	513,253	74.5
Manufacturing building only.....	343,200	45,000	6.1	13.1	594,466	89.9	Residential building only.....	210,242	21,131	8.9	10.1	548,841	74.0
Residential building only.....	210,242	5,003	.8	2.7	548,841	74.0	Central station, light and power plant.....	6,746,884	1,000	.4	(*)	12,449,667	97.0
Highway.....	700,735	132,483	18.0	18.9	2,234,546	54.6							
Bridge and culvert.....	377,915	35,529	4.8	9.4	642,957	90.4							
Street paving.....	474,162	102,553	14.0	21.6	1,050,317	94.6							
Sewer, gas, water, conduit.....	111,240	7,701	1.0	6.0	389,444	100.0							
Railroad.....	134,894	18,876	2.6	14.0	324,930	100.0							
Foundation.....	112,171	0,970	.9	6.2	262,313	96.2							
Central station, light and power plant.....	6,746,884	210,000	28.6	3.1	12,449,667	97.0							
Subcontractors.....	\$ 1,320,943	18,950	2.6	1.4	\$ 2,790,425	98.6							
Concreting.....	25,565	17,000	2.4	68.8	50,000	100.0							
Plastering and lathing.....	63,896	1,350	.2	2.1	155,000	97.4							

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 distribution 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 material			Total cost	Cost of all distributed material
BIRMINGHAM—Continued						BIRMINGHAM—Continued							
<i>Roofing and sheet metal</i>						<i>Electrical appliances and supplies²</i>							
All classes.....	\$12,570,034	\$400,451	100.0	3.2	\$26,163,174	84.0	\$12,570,034	\$3,305,047	100.0	20.3	\$26,163,174	84.0	
General contractors.....	\$11,243,091	103,200	25.8	3.9	\$23,372,749	83.1	\$11,243,091	3,163,849	95.7	28.1	\$23,372,749	83.1	
Building.....	2,585,090	83,209	20.8	3.2	6,018,575	75.2	Building.....	2,585,090	13,849	.4	.5	6,018,575	75.2
Building not specialized....	1,844,686	39,319	9.8	2.1	4,362,015	73.9	Building not specialized....	1,844,686	2,084	.1	.1	4,362,015	73.9
Commercial building only.....	186,962	19,980	5.0	10.7	513,253	74.5	Commercial building only.....	186,962	7,150	.2	3.8	513,253	74.5
Manufacturing building only.....	343,200	9,000	2.2	2.6	504,460	89.9	Residential building only.....	210,242	4,615	.1	2.2	548,841	74.0
Residential building only.....	210,242	14,910	3.7	7.1	548,841	74.0	Central station, light and power plant.....	6,746,884	3,150,000	95.3	46.7	12,440,667	97.0
Central station, light and power plant.....	6,746,884	20,000	5.0	.3	12,440,667	97.0	Subcontractors.....	\$1,326,943	141,198	4.3	10.6	\$2,790,425	98.6
Subcontractors.....	\$1,326,943	207,242	74.2	22.4	\$2,790,425	98.6	Electrical.....	152,076	141,198	4.3	92.8	331,135	100.0
Roofing and sheet metal work.....	328,689	207,242	74.2	60.4	784,090	90.6	<i>Pipe—Cast-iron, sheet and tube steel, etc.</i>						
Roofing.....	328,689	207,242	74.2	60.4	784,090	90.6	All classes.....	12,570,034	346,509	100.0	2.8	26,163,174	84.0
<i>Heating and ventilating equipment³</i>						<i>General contractors.....</i>							
All classes.....	12,570,034	994,346	100.0	7.9	26,163,174	84.0	Building.....	\$11,243,091	835,559	66.8	3.0	\$23,372,749	83.1
General contractors.....	\$11,243,091	789,200	79.4	7.0	\$23,372,749	83.1	Building.....	\$2,585,090	7,339	2.1	.3	\$6,018,575	75.2
Building.....	2,585,090	37,515	3.8	1.5	6,018,575	75.2	Building not specialized....	1,844,686	880	.2	(2)	4,362,015	73.9
Building not specialized....	1,844,686	14,448	1.5	.8	4,362,015	73.9	Manufacturing building only.....	343,200	6,500	1.9	1.9	504,460	89.9
Commercial building only.....	186,962	11,694	1.2	6.3	513,253	74.5	Bridge and culvert.....	377,915	223	.1	.1	642,667	99.4
Manufacturing building only.....	343,200	3,600	.4	1.0	504,460	89.9	Sewer, gas, water, conduit....	111,240	27,450	7.9	24.7	389,444	100.0
Residential building only.....	210,242	7,775	.9	3.7	548,841	74.0	Foundation.....	112,171	550	.2	.5	262,313	96.2
Foundation.....	112,171	685	.1	.0	262,313	96.2	Central station, light and power plant.....	6,746,884	300,000	86.6	4.4	12,440,667	97.0
Central station, light and power plant.....	6,746,884	751,000	75.5	11.1	12,440,667	97.0	Subcontractors.....	\$1,326,943	10,950	3.2	.8	\$2,790,425	98.6
Subcontractors.....	\$1,326,943	205,146	20.0	15.5	\$2,790,425	98.6	Heating and plumbing.....	\$475,591	10,950	3.2	2.3	\$463,312	98.8
Heating and plumbing.....	475,591	181,923	18.3	38.3	946,312	98.8	Plumbing.....	311,600	10,950	3.2	3.5	688,002	99.5
Heating and piping.....	132,626	72,000	7.2	54.3	268,343	96.6	<i>Bituminous paving materials, tar, asphalt, and oil</i>						
Plumbing.....	311,600	96,568	9.7	31.0	688,002	96.6	All classes.....	\$12,570,034	140,746	100.0	1.1	\$26,163,174	84.0
Plumbing and heating combined.....	31,365	13,365	1.3	42.6	59,277	100.0	General contractors.....	\$11,243,091	140,746	100.0	1.3	\$23,372,749	83.1
Roofing and sheet metal work.....	328,689	23,223	2.3	7.1	784,090	90.6	Building.....	\$2,585,090	600	.4	(2)	\$6,018,575	75.2
Roofing.....	328,689	23,223	2.3	7.1	784,090	90.6	Building not specialized....	1,844,686	600	.4	(2)	4,362,015	73.9
<i>Plumbing and gas-fitting equipment</i>						<i>Highway.....</i>							
All classes.....	12,570,034	322,377	100.0	2.6	26,163,174	84.0	Street paving.....	474,162	52,140	37.0	11.0	1,050,317	94.6
General contractors.....	\$11,243,091	42,539	13.2	.4	\$23,372,749	83.1	<i>Ready-mixed concrete</i>						
Building.....	2,585,090	31,639	9.8	1.2	6,018,575	75.2	All classes.....	\$12,570,034	172,141	100.0	1.4	\$26,163,174	84.0
Building not specialized....	1,844,686	12,506	3.9	.7	4,362,015	73.9	General contractors.....	\$11,243,091	172,141	100.0	1.5	\$23,372,749	83.1
Commercial building only.....	186,962	8,768	2.7	4.7	513,253	74.5	Building.....	\$2,585,090	1,707	1.0	.1	\$6,018,575	75.2
Residential building only.....	210,242	10,365	3.2	4.9	548,841	74.0	Building not specialized....	1,844,686	1,707	1.0	.1	4,362,015	73.9
Sewer, gas, water, conduit....	111,240	900	.3	.8	389,444	100.0	Bridge and culvert.....	377,915	36,100	21.0	9.6	642,667	99.4
Central station, light and power plant.....	6,746,884	10,000	3.1	.1	12,440,667	97.0	Street paving.....	474,162	134,334	78.0	28.3	1,050,317	94.6
Subcontractors.....	\$1,326,943	270,838	86.8	21.1	\$2,790,425	98.6	<i>Machinery⁴</i>						
Heating and plumbing.....	475,591	278,738	86.5	58.6	946,312	98.8	All classes.....	\$12,570,034	1,600,000	100.0	12.7	\$26,163,174	84.0
Heating and piping.....	132,626	60,626	18.8	45.7	268,343	96.6	General contractors.....	\$11,243,091	1,600,000	100.0	14.2	\$23,372,749	83.1
Plumbing.....	311,600	200,112	62.1	64.2	688,002	99.5	Central station, light and power plant.....	6,746,884	1,600,000	100.0	23.7	12,440,667	97.0
Plumbing and heating combined.....	31,365	18,000	5.6	57.4	59,277	100.0							
Roofing and sheet metal work.....	328,689	1,100	.3	.3	784,090	90.6							
Roofing.....	328,689	1,100	.3	.3	784,090	90.7							

¹ Based upon the difference between the total value of all construction business reported and the value of subcontract work.
² See footnote 2 of Table 9 on page 178.
³ Includes cost of materials reported by establishments which did not include designated material in their distributed lists.
⁴ Includes construction work reported by establishments which did not include the designated material in their distributed lists.
⁵ Less than one-tenth of 1 per cent.
⁶ Includes cost of materials reported by subcontracting establishments which did not include the designated material in their distributed lists.
⁷ Includes construction work reported by subcontracting establishments which did not include the designated material in their distributed lists.
⁸ See footnote 8 of Table 9 on page 178.

CONSTRUCTION—ALABAMA

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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. 184, the third section on p. 185]

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											
ALABAMA	\$10,370,536	\$16,939,353	87.4	\$1,249,152	\$661,948	\$66,097	\$120,039	\$51,011	\$296,665	\$494,764	\$1,244,332	\$51,163	\$91,999	\$1,073,680
General contractors	16,220,803	14,155,088	87.2	1,221,278	661,098	66,097	88,343	51,011	296,665	12,165	1,209,521	49,516	67,355	975,007
Building	5,728,324	4,403,097	76.9	255,985	452,042	66,097	82,150	18,733	284,535	10,165	351,905	45,770	66,355	378,162
Building not specialized	4,817,724	3,539,497	74.7	194,138	397,318	61,939	70,810	18,023	268,645	10,165	278,463	41,162	59,958	246,621
Commercial building only	263,962	189,962	70.8	7,112	8,418		7,050		12,247		21,819	1,730		9,641
Manufacturing building only	343,200	343,200	100.0	45,000	3,600						45,000			120,000
Residential building only	303,438	273,438	90.1	9,735	42,700	4,108	4,284	710	3,943		6,883	2,839	6,397	1,900
Highway	1,390,654	1,057,327	76.0	562,975	1,764			5,030			280,064	636		5,514
Bridges and culvert	722,909	722,909	100.0	70,256	30,810		243		920	2,000				227,262
Street paving	1,117,321	734,816	65.8	198,800	3,146			19,524	5,910		242,434	60		3,080
Sewer, gas, water, conduit	270,046	242,900	87.8	6,800	14,700			5,000			9,701			1,000
Railroad	134,894	134,894	100.0	8,865							18,876			78,107
Foundation	112,171	112,171	100.0	2,277	76,635		5,000	1,185			6,970	1,750		11,250
Central station, light and power plant	6,746,884	6,746,884	100.0	109,230	73,592		950		5,000		210,000	1,310	1,000	271,502
Subcontractors	3,149,733	2,784,765	88.4	27,874	250		31,696			482,599	34,811	1,637	24,641	97,773
Concreting	54,091	54,091	100.0	13,346	250						31,100			257
Electrical	430,168	430,168	100.0											
Heating and plumbing	1,199,244	993,078	82.8											
Heating and piping	205,126	170,126	82.9											
Plumbing	705,884	767,687	108.2											
Plumbing and heating combined	108,234	55,365	27.9											
Painting and decorating	28,326	28,326	100.0											
Glass and glazing	35,000	35,000	100.0											
Plastering and lathing	63,896	63,896	100.0	10,700							1,350	1,400	22,930	
Roofing and sheet-metal work	4,026,084	406,562	70.3	3,000										2,073
Roofing	632,200	478,878	82.3	3,000										2,073
Roofing and sheet-metal combined	17,684	17,684	100.0											
Steel erection	162,538	162,538	100.0											95,443
Marble and tiling	540,786	520,506	94.7	828			31,696			482,599	2,361	177	1,705	
BIRMINGHAM	13,662,275	12,570,034	92.0	832,854	424,904	20,156	106,033	43,563	168,188	10,165	734,488	25,032	64,103	897,313
General contractors	12,144,941	11,243,091	92.6	815,354	424,904	20,156	81,337	43,563	124,622	10,165	715,538	23,572	41,167	709,797
Building	3,057,313	2,585,090	84.6	145,775	219,466	20,156	75,144	11,285	112,792	10,165	201,420	19,876	40,107	268,832
Building not specialized	2,230,909	1,844,680	82.4	85,503	168,363	16,048	66,931	10,676	97,045	10,165	128,944	15,810	34,247	167,291
Commercial building only	263,962	189,962	70.8	7,112	8,418		7,050		12,247		21,819	1,730		9,641
Manufacturing building only	343,200	343,200	100.0	45,000	3,600						45,000			120,000
Residential building	120,242	210,242	100.0	8,160	39,085	4,108	1,163	710	3,500		6,063	2,327	5,920	1,900
Highway	975,362	700,735	71.8	394,466	1,764			5,030			132,483	636		1,544
Bridges and culvert	377,915	377,915	100.0	30,112	39,621		243		920		35,529			134,482
Street paving	629,162	474,162	75.4	109,529	2,896			19,524	5,910		102,553			3,080
Sewer, gas, water, conduit	111,240	111,240	100.0	6,160	10,930			5,000			7,701			1,000
Railroad	134,894	134,894	100.0	8,865							18,876			78,107
Foundation	112,171	112,171	100.0	2,277	76,635		5,000	1,185			6,970	1,750		11,250
Central station, light and power plant	6,746,884	6,746,884	100.0	109,230	73,592		950		5,000		210,000	1,310	1,000	271,502
Subcontractors	1,517,334	1,326,943	87.5	17,500		23,096		43,566		18,950	1,460	22,930		97,516
Concreting	25,665	25,665	100.0	6,800							17,600			
Electrical	152,076	152,076	100.0											
Heating and plumbing	649,460	475,591	73.2											
Heating and piping	132,026	132,026	100.0											
Plumbing	311,600	311,600	100.0											
Plumbing and heating combined	105,234	31,365	29.8											
Painting and decorating	10,326	10,326	100.0											
Glass and glazing	35,000	35,000	100.0											
Plastering and lathing	63,896	63,896	100.0	10,700							1,350	1,400	22,930	
Roofing and sheet metal work	445,211	328,089	73.8											2,073
Roofing	432,011	328,089	76.1											2,073
Steel erection	162,538	162,538	100.0											95,443
Marble and tiling	67,262	67,262	100.0				23,096		43,566					

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 of Table 9 on page 178.

³ See footnote 3 of Table 9 on page 178.

⁴ Includes sheet metal work, \$26,200.

⁵ Includes the reported cost of mineral products (nonmetallic), n. e. s.; sealing materials; and miscellaneous, n. e. s. For total cost of these items see Table 9.

⁶ Includes sheet metal work, \$13,200.

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	Orna-mental metal work	Lumber, rough and finished	Laths, shingles, and shakes	Mill-work	Com-position 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.	Heating and ven-tilating equip-ment
ALABAMA	\$480,263	\$78,317	\$158,085	\$53,802	\$78,099	\$985,044	\$30,095	\$448,280	\$49,118	\$24,947	\$194,605	\$178,732	\$615,319	\$33,469	\$11,645	\$1,146,262
General contractors.....	478,126	78,317	93,652	29,802	78,099	980,118	28,695	448,260	40,766	21,197	190,906	109,942	152,654	33,469	11,645	810,514
Building.....	212,934	31,466	73,652	29,302	78,099	756,767	28,695	447,260	37,346	20,697	142,101	104,790	132,554	31,909	11,645	58,829
Building not specialized.....	152,037	31,346	71,452	28,387	68,727	616,090	26,230	406,997	36,881	17,610	127,340	74,804	85,132	25,065	8,524	32,007
Commercial building only.....	-----	-----	-----	-----	8,653	22,579	-----	13,051	-----	2,180	5,288	19,593	19,980	-----	-----	11,694
Manufacturing building only.....	60,000	-----	2,000	-----	-----	40,000	-----	-----	-----	-----	500	1,500	9,000	-----	-----	3,600
Residential building only.....	897	120	200	915	719	78,098	2,465	27,212	465	907	8,973	8,893	18,442	6,904	3,121	11,528
Highway.....	42,384	-----	-----	-----	-----	2,206	-----	-----	-----	-----	16,726	-----	-----	-----	-----	-----
Bridge and culvert.....	108,288	4,629	-----	-----	-----	69,862	-----	-----	-----	-----	19,904	2,502	-----	-----	-----	-----
Street paving.....	19,099	213	-----	-----	-----	10,758	-----	-----	-----	-----	-----	150	100	-----	-----	-----
Sewer, gas, water, conduit.....	1,000	31,654	-----	-----	-----	8,000	-----	-----	-----	-----	8,500	-----	-----	-----	-----	-----
Railroad.....	10,831	-----	-----	-----	-----	16,100	-----	-----	-----	-----	2,115	-----	-----	-----	-----	-----
Foundation.....	590	450	-----	-----	-----	1,625	-----	-----	2,420	-----	-----	-----	-----	-----	-----	685
Central station, light and power plant.....	83,000	10,000	20,000	500	-----	114,800	-----	1,000	1,000	500	1,500	2,500	20,000	1,500	-----	751,000
Subcontractors.....	2,137	-----	64,433	24,000	-----	4,926	1,400	-----	8,350	3,750	3,599	66,790	462,605	-----	-----	385,748
Concreting.....	2,137	-----	-----	-----	-----	3,176	-----	-----	-----	150	800	-----	-----	-----	-----	-----
Heating and plumbing.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	15,000	-----	-----	311,275
Heating and piping.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	94,500
Plumbing.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	15,000	-----	-----	193,410
Plumbing and heating combined.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	23,365
Painting and decorating.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	28,326	-----	-----	-----	-----
Glass and glazing.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	35,000	-----	-----	-----	-----
Plastering and lathing.....	-----	-----	24,000	-----	-----	1,000	1,400	-----	450	600	-----	-----	-----	-----	-----	-----
Roofing and sheet metal work.....	-----	-----	-----	-----	-----	750	-----	-----	7,900	3,000	2,799	802	447,665	-----	-----	24,473
Roofing.....	-----	-----	-----	-----	-----	760	-----	-----	7,900	3,000	2,799	802	429,981	-----	-----	24,473
Roofing and sheet metal combined.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	17,684	-----	-----	-----
Steel erection.....	-----	64,433	-----	-----	-----	-----	-----	-----	-----	-----	-----	2,662	-----	-----	-----	-----
BIRMINGHAM	319,371	54,594	122,288	36,243	35,342	659,774	8,845	238,360	31,592	15,818	108,301	121,985	400,451	23,081	6,742	904,848
General contractors.....	318,771	54,594	57,855	12,243	35,342	657,758	7,445	236,360	31,142	14,366	100,502	67,105	103,209	23,081	6,742	780,200
Building.....	130,533	13,047	37,855	11,743	35,342	485,233	7,445	235,360	27,722	13,866	81,590	64,695	83,209	21,581	6,742	37,515
Building not specialized.....	69,903	12,027	35,655	11,008	26,305	372,012	5,753	201,178	27,257	10,810	69,342	37,718	30,319	14,677	4,016	14,446
Commercial building only.....	-----	-----	-----	-----	8,653	22,579	-----	13,051	-----	2,180	5,288	19,593	19,980	-----	-----	11,694
Manufacturing building only.....	60,000	-----	2,000	-----	-----	40,000	-----	-----	-----	-----	500	1,500	9,000	-----	-----	3,600
Residential building.....	630	120	200	735	384	50,642	1,692	21,131	465	870	6,460	5,884	14,910	6,904	2,726	7,775
Highway.....	33,255	-----	-----	-----	-----	29,842	-----	-----	-----	-----	11,726	-----	-----	-----	-----	-----
Bridge and culvert.....	46,713	4,629	-----	-----	-----	3,158	-----	-----	-----	-----	3,571	-----	-----	-----	-----	-----
Street paving.....	13,849	213	-----	-----	-----	7,000	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Sewer, gas, water, conduit.....	-----	26,250	-----	-----	-----	16,100	-----	-----	-----	-----	2,115	-----	-----	-----	-----	-----
Railroad.....	10,831	-----	-----	-----	-----	1,625	-----	-----	2,420	-----	-----	-----	-----	-----	-----	685
Foundation.....	590	450	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Central station, light and power plant.....	83,000	10,000	20,000	500	-----	114,800	-----	1,000	1,000	500	1,500	2,500	20,000	1,500	-----	751,000
Subcontractors.....	600	-----	64,433	24,000	-----	2,016	1,400	-----	450	1,450	2,799	54,790	297,242	-----	-----	205,146
Concreting.....	600	-----	-----	-----	-----	266	-----	-----	-----	150	-----	-----	-----	-----	-----	-----
Heating and plumbing.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	181,923
Heating and piping.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	72,000
Plumbing.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	96,558
Plumbing and heating combined.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	13,365
Painting and decorating.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	16,326	-----	-----	-----	-----
Glass and glazing.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	35,000	-----	-----	-----	-----
Plastering and lathing.....	-----	-----	24,000	-----	-----	1,000	1,400	-----	460	600	-----	-----	-----	-----	-----	-----
Roofing and sheet metal work.....	-----	-----	-----	-----	-----	750	-----	-----	-----	700	2,799	802	297,242	-----	-----	23,223
Roofing.....	-----	-----	-----	-----	-----	750	-----	-----	-----	700	2,799	802	297,242	-----	-----	23,223
Steel erection.....	-----	64,433	-----	-----	-----	-----	-----	-----	-----	-----	-----	2,662	-----	-----	-----	-----

See footnote on p. 183.

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

CLASSIFICATION OF ESTABLISHMENTS	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	Freight, hauling or trucking to job	Chemicals, and chemical products	Metal products, n. e. s.	Textiles and corking materials	Miscellaneous*
ALABAMA	\$675,790	\$3,002,521	\$25,305	\$107,102	\$470,247	\$13,775	\$147,088	\$15,638	\$172,141	\$1,000,000	\$14,594	\$6,715	\$21,885	\$2,575	\$99,110
General contractors	67,784	3,170,981	14,427	04,501	439,440	13,775	142,029	15,638	172,141	1,000,000	14,594	6,715	21,231	2,575	98,555
Building	55,394	20,781	9,327	19,478	7,836	800	600		1,707				4,031		72,838
Building not specialized	33,372	7,749	9,327	12,065	1,336	800	600		1,707				4,031		72,553
Commercial building only	8,708	7,150													
Manufacturing building only					6,500										
Residential building only	13,244	5,832			913										285
Highway				13,875	8,000	10,101	89,501					6,715		875	10,845
Bridge and culvert				6,592	223	2,000	682	15,638	30,100				13,400		5,484
Street paving	1,500	250		6,451	10,000		52,140		134,334		14,594		3,800		8,388
Sewer, gas, water, conduit	900		100	40,195	106,831									1,700	1,000
Foundation					550	784									
Central station, light and power plant	10,000	3,150,000	5,000	2,000	300,000					1,000,000					
Subcontractors	607,976	431,540	10,878	12,511	36,807		4,765						654		555
Concreting				1,041			1,765								69
Electrical		419,290	10,878												
Heating and plumbing	606,876	12,250		10,870	36,807										
Heating and piping	75,626														
Plumbing	501,250	10,250		10,870	36,807										
Plumbing and heating combined	30,000	2,000													
Roofing and sheet metal work	1,100						3,000								
Roofing	1,100						3,000								
Marble and tiling													654		480
BIRMINGHAM	322,377	\$3,305,047	20,453	58,430	346,509	11,275	140,740		172,141	\$1,000,000	14,594		4,031	700	77,801
General contractors	42,539	3,163,840	9,575	54,370	335,550	11,275	140,740		172,141	1,000,000	14,594		4,031	700	77,732
Building	31,630	13,840	4,475	10,878	7,836	300	600		1,707				4,031		55,713
Building not specialized	12,506	2,084	4,475	0,465	836	300	600		1,707				4,031		55,428
Commercial building only	8,708	7,150													
Manufacturing building only					6,500										
Residential building only	10,305	4,615			913										285
Highway				11,441		10,101	88,006								10,187
Bridge and culvert					223				30,100						5,406
Street paving				6,451			52,140		134,334		14,594				5,920
Sewer, gas, water, conduit	900		100	17,600	27,450									700	500
Foundation					550	784									
Central station, light and power plant	10,000	3,150,000	5,000	2,000	300,000					1,000,000					
Subcontractors	270,838	141,198	10,878	4,060	10,950										69
Concreting				80											60
Electrical		141,198	10,878												
Heating and plumbing	278,738			3,980	10,950										
Heating and piping	30,026														
Plumbing	200,112			3,980	10,950										
Plumbing and heating combined	18,000														
Roofing and sheet-metal work	1,100														
Roofing	1,100														

See footnote on p. 183.

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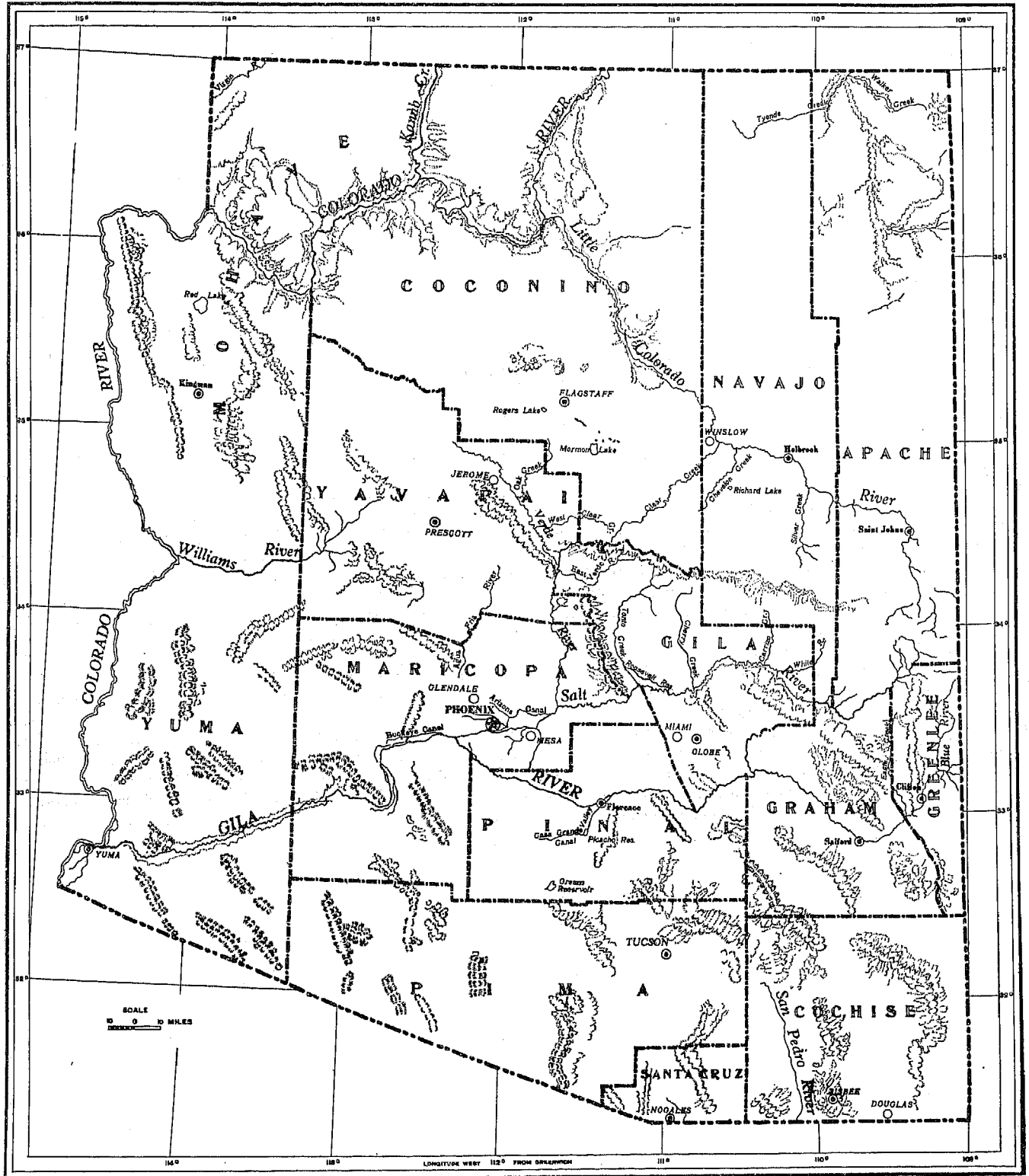


TABLE 1.—VALUE OF CONSTRUCTION BUSINESS DURING 1929 AND PRINCIPAL ITEMS OF EXPENDITURE

[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		
ARIZONA	105	\$12,932	\$9,468	\$3,404	\$2,610	\$2,595	\$4,960	Subcontractors—Continued. Roofing and sheet-metal work.....	3	\$769	\$67	\$702	\$25	\$145	\$373		
Counties:								Other classes ⁴	4	663		603		91	423		
Cochise.....	5	284	220	64	8	99	97	Size of business groups									
Maricopa.....	64	9,281	6,365	2,886	2,008	1,710	3,680	General contractors ²	63	8,986	8,050	27	2,550	1,703	2,878		
Pima.....	22	2,688	2,200	422	456	626	1,056	\$25,000 to \$49,999.....	13	443	443		118	93	144		
Yavapai.....	6	325	325		93	72	62	\$50,000 to \$99,999.....	10	1,279	1,279		531	219	353		
Yuma.....	5	233	175	58	40	51	112	\$100,000 to \$199,999.....	19	2,001	2,587	14	584	571	1,019		
Other counties ¹	3	122	87	35	5	35	63	\$200,000 to \$499,999.....	9	2,936	2,936		664	615	1,049		
Classification of establishments								\$500,000 to \$999,999.....	3	1,720	1,713	13	662	214	314		
General contractors ²	63	8,086	8,050	27	2,559	1,703	2,878	\$1,000,000 and over.....									
Building.....	49	6,123	6,123		2,325	1,120	1,912	Building contractors ²	40	0,123	0,123	2,325	1,120	1,912			
Building not specialized ²	42	5,434	5,434		2,246	1,043	1,655	\$25,000 to \$49,999.....	12	416	416		118	83	144		
Residential building only.....	7	680	680		70	80	257	\$50,000 to \$99,999.....	17	1,120	1,120		499	165	330		
Highway.....	4	400	480	1	62	120	160	\$100,000 to \$199,999.....	13	1,082	1,082		473	372	644		
Street paving.....	5	1,715	1,702	13	93	311	507	\$200,000 to \$499,999.....	5	1,706	1,706		635	375	594		
Other classes ³	5	658	644	13	70	143	270	\$500,000 to \$999,999.....	2	1,100	1,100		600	134	200		
Subcontractors.....	42	3,947	510	3,437	51	892	2,001	\$1,000,000 and over.....									
Electrical.....	5	572	35	537		150	300	Subcontractors.....	42	3,947	510	3,437	51	892	2,001		
Heating and plumbing.....	21	1,351	321	1,030	21	288	759	\$25,000 to \$49,999.....	18	604	141	463	1	151	284		
Plumbing.....	13	845	106	649	8	181	479	\$50,000 to \$99,999.....	14	1,012	161	851	5	327	406		
Plumbing and heating combined.....	8	506	125	381	13	106	280	\$100,000 to \$199,999.....	0	789	141	648	20	171	446		
Masonry and concreting.....	6	413	87	326		133	174	\$200,000 to \$499,999.....	4	1,643	67	1,476	25	241	805		
Plastering and lathing.....	3	170		170	5	84	63	\$500,000 to \$999,999.....									

¹ Includes Gila and Navajo, for which data can not be shown separately 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 operative builders.

³ Includes bridge and culvert; grading; sewer, gas, water, conduit; and dam and reservoir.

⁴ Includes steel erection; marble and tiling; and bridge and culvert.

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
ARIZONA							ARIZONA—Continued						
All construction business.....	105	\$12,932,280	63	\$8,985,088	42	\$3,946,601	All business under general contract or directly for owners—Contd. Building—Contd.						
Distribution not reported.....	4	317,389	2	92,700	2	224,689	Distributed by class—Contd.						
Distributed by class of ownership.....	101	12,014,900	61	8,892,988	40	3,721,912	Air transport.....	1		1	\$110,966		
Private.....	90	8,284,025	52	5,004,701	38	3,210,324	Miscellaneous.....	13	\$210,988	10		3	\$94,022
Quasi public or community.....	17	375,056	8	303,189	9	71,870	Highway and street.....	12	2,402,549	12	2,402,549		
Public.....	46	3,055,810	25	3,525,101	21	430,718	Public works and utilities.....	5	397,231	5	397,231		
Distribution not reported.....	6	287,954	2	187,160	4	100,794	Bridge, tunnel, etc.....	2		2			
Distributed by class of public ownership.....	40	3,667,865	23	3,337,941	17	829,924	Flood control, irrigation, and land drainage.....	1	250,198	1	250,198		
Federal.....	4	63,941	2	63,941	2		Refuse disposal plant.....	1		1			
State.....	15	915,056	9	905,126	6	73,871	Sewage disposal and drainage.....	2	147,063	2	147,063		
County or township.....	16	504,195	6	439,188	10	65,007	Water supply.....	2		2			
Municipal.....	18	2,184,673	12	1,993,627	6	191,046	Miscellaneous.....	3	26,890	3	26,890		
All business under general contract or directly for owners.....	70	0,468,445	63	8,958,699	13	500,740	All business under subcontract.....	43	3,463,844	4	26,989	39	3,436,855
Building.....	65	6,041,745	52	6,131,999	13	600,746	Concreting.....	2		2		2	129,529
Distribution not reported.....	2	601,473	2	601,473			Stone work.....	1	129,529	1		1	
Distributed by class.....	63	6,040,272	50	5,530,520	13	609,746	Electrical.....	4	537,044	4		4	537,044
Commercial.....	39	1,954,334	33	1,884,451	6	69,883	Heating and plumbing.....	14	1,048,765	14		14	1,048,765
Educational.....	18	601,128	13	532,367	5	68,761	Heating and piping.....	3	228,311	3		3	228,311
Hotel.....	10	169,477	6	156,423	4	13,054	Pipe covering.....	3	5,590	3		3	5,590
Hospital and institutional.....	11	331,966	7	583,009	4	27,042	Plumbing.....	16	529,946	16		16	529,946
Public: Courts, jails, etc.....	6	278,085	4	65,910	2		Plumbing and heating combined.....	4	284,918	4		4	284,918
Manufacturing.....	4	65,910	4	65,910			Masonry.....	4	208,762	4		4	208,762
Religious and memorial.....	4	42,870	4	42,870			Plastering and lathing.....	3	178,722	3		3	178,722
Residential.....	50	2,353,213	40	2,116,229	10	236,984	Roofing and sheet metal work.....	9	683,632	9		9	683,632
Social and recreational.....	6	32,295	6	32,295			Excavating.....	3	18,367	3		3	18,367
							Other classes ²	5	664,033	1	26,989	4	655,411

¹ Includes operative builders.

² Includes establishments reporting the following types of work: General contractors—Sewer, gas, water, conduit, 1; Subcontractors—Steel erection, 1; marble and tiling, 2; bridge and culvert, 1.

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TABLE 3.—CONSTRUCTION BUSINESS DURING 1929, BY LOCATION

CLASSIFICATION OF ESTABLISHMENTS	Establishments reporting	Total	In home city	In home State	Out-side home State	CLASSIFICATION OF ESTABLISHMENTS	Establishments reporting	Total	In home city	In home State	Out-side home State
General contractors ¹	63	8,985,688	6,813,100	8,977,688	8,000	Electrical.....	4	210,201	140,000	210,201	-----
Building.....	49	6,123,380	5,141,617	6,115,380	8,000	Heating and plumbing.....	19	1,100,897	1,001,517	1,100,897	-----
Building not specialized ¹	42	5,634,197	4,652,434	5,626,197	8,000	Plumbing.....	12	724,614	634,126	724,614	-----
Residential building only.....	7	489,183	489,183	489,183	-----	Plumbing and heating combined.....	7	382,283	367,391	382,283	-----
Highway.....	4	489,616	82,675	489,616	-----	Masonry and concreting.....	6	412,553	383,324	412,553	-----
Street paving.....	4	1,715,184	1,370,959	1,715,184	-----	Plastering and lathing.....	3	178,722	117,100	178,722	-----
Other classes ²	5	657,508	217,858	657,508	-----	Roofing and sheet-metal work.....	3	768,570	642,770	768,570	-----
						Other classes ³	4	663,411	620,411	663,411	-----

¹ Includes operative builders. ² Includes steel erection; marble and tiling; and bridge and culvert.
³ Includes bridge and culvert; grading; sewer, gas, water, and conduit; and dam and reservoir. ⁴ All business outside home State was located in Mexico.

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

(See footnote 4 of Table 3 on this page for location of business outside home State)

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		Total annual 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	
ARIZONA	105	72	27	\$78,552	198	\$502,649	132	\$372,603	76	\$190,046	187	162	25	11	
General contractors ¹	63	42	10	52,694	116	374,108	62	241,900	54	132,148	105	97	8	11	
Building.....	49	38	12	25,494	72	199,029	36	105,795	36	93,294	67	60	7	5	
Building not specialized ¹	42	34	11	24,494	63	181,842	28	90,858	35	90,484	58	51	7	5	
Residential building only.....	7	4	1	1,000	9	17,687	8	14,037	1	2,750	9	9	-----	-----	
Highway.....	4	2	2	2,800	13	18,696	4	5,080	9	13,616	11	11	-----	2	
Street paving.....	4	2	2	9,600	21	119,343	14	90,745	7	19,598	17	17	-----	4	
Other classes ²	5	2	3	14,800	10	37,040	8	31,340	2	5,700	10	9	1	-----	
Subcontractors.....	42	30	8	25,858	82	188,541	60	130,043	22	57,898	82	65	17	-----	
Electrical.....	5	1	2	5,200	11	35,960	7	21,560	4	14,400	11	9	2	-----	
Heating and plumbing.....	21	19	6	18,058	30	45,845	22	30,898	8	14,947	30	20	10	-----	
Plumbing.....	13	13	4	10,420	18	26,805	13	18,658	5	8,147	18	11	7	-----	
Plumbing and heating combined.....	8	6	1	7,638	12	19,040	9	12,240	3	6,800	12	9	3	-----	
Masonry and concreting.....	3	3	1	2,600	4	8,520	4	8,520	-----	-----	4	3	1	-----	
Plastering and lathing.....	3	3	-----	-----	1	3,640	-----	-----	1	3,640	1	1	-----	-----	
Roofing and sheet-metal work.....	3	3	-----	-----	20	62,855	15	50,255	5	12,600	20	19	1	-----	
Other classes ³	4	2	-----	-----	10	31,721	12	19,410	4	12,311	16	13	3	-----	

¹ Includes operative builders. ² Includes steel erection; marble and tiling; and bridge and culvert.
³ Includes bridge and culvert; grading; sewer, gas, water, and conduit; and dam and reservoir.

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		
ARIZONA	98	\$250,335	\$711,354	\$11,698,848	\$2,481,774	<i>Percentage of equipment owned:</i>					
<i>Classification of establishments</i>											
General contractors ¹	60	198,173	576,043	3,262,688	1,678,626	General contractors ¹	60	\$198,173	\$576,043	\$3,262,688	\$1,678,626
None.....	3	-----	-----	-----	-----	None.....	3	-----	-----	-----	-----
1% to 25%.....	2	700	1,250	127,663	15,850	1% to 25%.....	2	700	1,250	127,663	15,850
26% to 50%.....	2	9,153	7,641	100,914	17,500	26% to 50%.....	2	9,153	7,641	100,914	17,500
51% to 75%.....	8	14,765	31,173	116,038	10,646	51% to 75%.....	8	14,765	31,173	116,038	10,646
76% to 99%.....	8	68,725	208,159	291,300	60,905	76% to 99%.....	8	68,725	208,159	291,300	60,905
100%.....	41	104,830	327,620	1,751,253	314,832	100%.....	41	104,830	327,620	1,751,253	314,832
Not reported.....	1	-----	200	5,826,520	1,257,893	Not reported.....	1	-----	200	5,826,520	1,257,893
Subcontractors.....	38	52,162	135,311	808,946	173,141	Subcontractors.....	38	52,162	135,311	808,946	173,141
None.....	1	-----	-----	-----	-----	None.....	1	-----	-----	-----	-----
1% to 25%.....	-----	-----	-----	-----	-----	1% to 25%.....	-----	-----	-----	-----	-----
26% to 50%.....	-----	-----	-----	-----	-----	26% to 50%.....	-----	-----	-----	-----	-----
51% to 75%.....	-----	-----	-----	-----	-----	51% to 75%.....	-----	-----	-----	-----	-----
76% to 99%.....	1	1,500	1,800	45,000	21,094	76% to 99%.....	1	1,500	1,800	45,000	21,094
100%.....	36	60,662	133,511	3,306,711	739,573	100%.....	36	60,662	133,511	3,306,711	739,573
Not reported.....	-----	-----	-----	-----	-----	Not reported.....	-----	-----	-----	-----	-----

¹ Includes operative builders. ² Includes steel erection; marble and tiling; and bridge and culvert.
³ Includes bridge and culvert; grading; sewer, gas, water, and conduit; and dam and reservoir.

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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 dur-ing year
		Janu-ary	Febru-ary	March	April	May	June	July	August	Sep-tember	October	No-vember	Decem-ber	
ARIZONA	91	1,363	1,210	1,199	1,255	1,347	1,536	1,572	1,941	1,902	1,695	1,553	1,253	\$2,130,616
<i>Classification of establishments</i>														
General contractors ¹	52	926	830	837	848	1,002	1,155	1,148	1,443	1,352	1,172	1,016	809	1,382,049
Building.....	42	482	490	401	533	734	841	874	1,117	985	781	648	538	1,382,444
Building not specialized ¹	38	450	469	400	515	708	810	844	1,090	961	732	604	496	949,867
Residential building only.....	4	23	21	31	38	26	31	30	27	24	49	44	42	46,471
Highway.....	2	36	32	50	55	62	63	52	46	50	47	55	56	67,887
Street paving.....	3	268	190	202	128	115	140	55	73	122	165	148	148	185,155
Other classes ²	5	140	118	94	112	91	111	167	207	105	179	165	67	143,209
Subcontractors.....	39	437	380	302	407	345	381	424	408	550	523	517	444	747,867
Electrical.....	4	69	49	49	50	57	65	70	81	77	77	80	70	132,444
Heating and plumbing.....	21	151	136	146	157	153	160	179	185	199	198	210	188	287,910
Plumbing.....	13	103	91	94	105	101	105	101	108	128	124	131	107	181,498
Plumbing and heating combined.....	8	48	45	52	52	52	61	78	77	71	74	79	81	106,412
Masonry and concreting.....	6	109	102	76	84	44	55	59	90	92	102	84	57	132,971
Plastering and lathing.....	3	16	21	27	40	34	34	34	44	68	47	48	57	84,115
Other classes ³	5	92	72	64	67	57	58	82	98	114	90	80	63	110,427
<i>Length of working week</i>														
General contractors ¹	52	926	830	837	848	1,002	1,155	1,148	1,443	1,352	1,172	1,016	809	1,382,049
40-hour, 5-day week.....														
45-hour, 5-day week.....														
50-hour, 5-day week.....														
All other 5-day week.....														
44-hour, 5½-day week.....	27	209	308	295	385	549	595	677	731	627	512	411	326	665,301
49½-hour, 5½-day week.....														
55-hour, 5½-day week.....														
All other 5½-day week.....														
48-hour, 6-day week.....	22	553	457	462	399	393	493	435	680	687	618	511	372	633,898
54-hour, 6-day week.....	1	15	20	20	20	15	15	4	4	3	1	10	10	9,817
60-hour, 6-day week.....														
All other 6-day week.....														
All other not designated.....	1	30	32	40	30	37	33	20	10	25	27	40	41	37,868
Not reported.....	1	23	13	20	14	8	10	12	12	10	14	44	60	35,676
Subcontractors.....	39	437	380	302	407	345	381	424	408	550	523	517	444	747,867
40-hour, 5-day week.....	1	8	6	8	8	9	9	11	14	12	13	14	6	80,423
45-hour, 5-day week.....														
50-hour, 5-day week.....														
All other 5-day week.....														
44-hour, 5½-day week.....	25	280	251	235	281	251	282	201	340	377	353	354	200	514,766
49½-hour, 5½-day week.....														
55-hour, 5½-day week.....														
All other 5½-day week.....														
48-hour, 6-day week.....	13	149	123	110	118	85	90	122	144	161	157	149	142	202,675
54-hour, 6-day week.....														
60-hour, 6-day week.....														
All other 6-day week.....														
All other not designated.....														
Not reported.....														

¹ Includes operative builders.
² Includes bridge and culvert; grading; sewer, gas, water, conduit; and dam and reservoir.
³ Includes roofing; sheet metal work; marble and tiling; and bridge and culvert.

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	Con-tract bond premiums	Com-pen-sation and liability insurance premiums	All other over-head ex-penses
						Pro-rietors and firm members	Em-ployees	Equip-ment	Offices, etc.				
ARIZONA	88	\$10,690,261	\$2,318,000	\$2,150,520	\$4,173,645	\$62,640	\$470,190	\$19,779	\$34,655	\$46,786	\$37,689	\$86,539	\$583,893
General contractors ¹	40	6,885,514	2,267,000	1,288,227	2,158,519	36,782	289,078	18,393	12,961	36,612	35,138	56,809	376,221
Building.....	38	4,917,836	2,138,000	861,496	1,417,891	14,382	157,279	1,686	10,131	20,022	18,333	35,999	169,677
Building not specialized ¹	31	4,428,653	2,059,000	775,629	1,161,317	13,382	139,592	1,586	9,761	15,471	17,833	34,539	139,616
Residential building only.....	7	489,183	79,000	85,867	256,574	1,000	17,687		370	4,551	500	1,460	20,061
Highway.....	3	387,310	32,000	99,667	172,689	2,800	15,016	1,897		2,860	5,055	3,544	40,101
Street paving.....	4	1,089,184	31,000	230,795	392,252	9,600	86,943	10,160	1,700	10,213	6,507	11,243	112,556
Other classes ²	4	401,178	66,000	96,269	176,687	10,000	29,840	4,750	1,130	3,517	4,643	6,023	63,887
Subcontractors.....	39	3,804,747	51,000	862,293	2,015,126	25,858	181,112	1,386	21,694	10,174	2,561	32,730	207,587
Electrical.....	4	522,044		132,444	286,390	5,200	35,960		4,710	3,278	791	2,533	13,368
Heating and plumbing.....	19	1,259,447	21,000	276,286	697,286	18,058	38,416		9,653	2,388	1,770	6,765	67,340
Plumbing.....	12	810,334	8,000	175,258	455,623	10,420	26,805		6,825	1,122	887	4,294	36,971
Plumbing and heating combined.....	7	449,113	13,000	101,028	241,663	7,638	11,611		2,828	1,266	883	2,471	30,369
Masonry and concreting.....	6	412,553		132,971	173,788	2,600	8,520		386	739		5,331	4,508
Plastering and lathing.....	3	178,722	5,000	84,115	62,706		3,640		1,000	700		2,700	3,099
Roofing and sheet-metal work.....	3	768,570	25,000	145,127	372,527		62,855		1,230	1,125		6,258	88,058
Other classes ³	4	663,411		91,350	422,429		31,721		5,615	1,854		9,143	31,214

¹ Includes operative builders.
² Includes grading; sewer, gas, water, conduit; and dam and reservoir.
³ Includes steel erection; marble and tiling; and bridge and culvert.

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		
ARIZONA					ARIZONA—Continued						
All kinds of material	\$4,909,186		\$481.42	\$2,878,451	\$2,090,735	Distributed by kind—Continued.					
Distribution not reported	1,535,537	30.9		884,154	651,883	Millwork	\$166,653	4.9	\$23.37	\$106,653	
Distributed by kind	3,433,649	100.0		1,994,297	1,439,352	Composition board	7,755	.2	1.09	7,755	
Sand, gravel, stone, slag, cinders, etc.	316,200	9.2	44.33	286,155	30,045	Waterproofing materials	3,111	.1	.44	3,111	
Brick (face, common, fire, paving, etc.)	156,382	4.6	21.92	102,511	53,871	Hardware, rough and finished	48,477	1.4	6.80	48,477	
Tile (fireproofing)	10,782	.3	1.51	9,082	1,700	Paints, varnishes, glass	18,867	.5	2.64	18,807	
Tile, facing, terra cotta, floor, and wall	75,240	2.2	10.55	7,971	67,275	Roofing and sheet metal	406,770	11.8	57.03	43,340	
Concrete and cinder block	18,783	.5	2.63	18,783		Finished flooring (other than cement, wood, or tile)	17,881	.5	2.51	17,881	
Cut stone, granite and marble	3,789	.1	.53	435	3,354	Screens, shades, awnings, etc.	4,695	.1	.66	4,695	
Riprap, rubble, etc.	6,300	.2	.88	6,300		Heating and ventilating equipment	156,425	4.6	21.93	149,805	
Cement	365,577	10.6	61.26	324,953	40,619	Plumbing and gas fitting equipment	379,622	11.1	53.23	36,410	
Lime	4,697	.1	.66	3,297	1,400	Electrical appliances and supplies	313,618	9.1	43.97	13,228	
Plaster, etc.	50,394	1.5	7.07	21,453	28,941	Elevators, dumb-waiters, and equipment	3,842	.1	.54	3,842	
Structural steel	80,374	2.3	11.27	79,774	600	Pipe: Drain tile, vitrified, concrete, segment tile, corrugated	38,387	1.1	5.38	37,672	
Reinforcing steel	55,075	1.6	7.72	50,119	4,956	Pipe: Cast-iron, sheet and tube steel, etc.	21,890	.6	3.07	10,750	
Cast iron, miscellaneous, excluding pipe	2,105	.1	.29	2,105		Wire cable, guards, and fencing	3,960	.1	.55	3,960	
Metal doors, windows, and trim	14,653	.4	2.06	14,653		Bituminous paving materials, tar, asphalt, and oil	63,599	1.9	8.02	63,599	
Metal and wire lath and furring	19,431	.6	2.72	8,931	10,500	Mineral products (nonmetallic) n. e. s.	18,457	.5	2.59		
Ornamental metal work	2,749	.1	.39	2,749		Miscellaneous	17,837	.5	2.50	17,837	
Lumber, rough and finished	539,728	15.7	75.67	538,628	1,100						
Lath, shingles, and shakes (wood)	19,529	.6	2.74	11,696	7,833						

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 Business of establishments reporting this material constituted a large part of the total business reported for this area.

TABLE 10.—COMPARISON OF COST OF SPECIFIED 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		
ARIZONA						ARIZONA—Continued							
<i>Sand, gravel, stone, slag, cinders, etc.²</i>						<i>Tile, facing, terra cotta, floor, and wall</i>							
All classes	\$3,433,649	\$310,200	100.0	9.2	\$8,953,753	79.8	All classes	\$3,433,649	\$75,240	100.0	2.2	\$8,953,753	79.8
General contractors	\$1,994,297	286,155	90.5	14.3	\$6,105,124	72.7	General contractors	\$1,994,297	7,971	10.6	.4	\$6,105,124	72.7
Building	1,378,150	79,082	25.0	5.7	3,962,672	63.6	Building	1,378,150	7,971	10.6	.6	3,962,672	63.6
Building not specialized	1,187,255	73,344	23.2	6.2	3,627,377	60.7	Building not specialized	1,187,255	6,242	8.3	.5	3,627,377	60.7
Commercial building only	83,448	4,038	1.3	4.8	146,076	99.3	Commercial building only	83,448	1,300	1.7	1.6	146,076	99.3
Residential building only	107,447	1,700	.5	1.6	189,219	83.8	Residential building only	107,447	420	.6	.4	189,219	83.8
Highway	40,196	15,500	4.9	38.6	170,416	87.3	Highway	40,196	3,700	1.0	9.2	179,416	87.3
Bridge and culvert	94,094	5,700	1.8	6.1	166,330	92.2	Bridge and culvert	94,094	11,153	3.1	11.9	166,330	92.2
Street paving	419,080	177,368	56.1	42.3	1,529,566	94.6	Street paving	419,080	162,009	41.6	36.3	1,529,566	94.6
Dam and reservoir	59,277	8,515	2.7	14.4	135,140	91.9	Dam and reservoir	59,277	9,948	2.7	16.8	135,140	91.9
Subcontractors	\$1,439,352	30,045	9.5	2.1	\$2,848,629	98.7	Subcontractors	\$1,439,352	40,619	11.1	2.8	\$2,848,629	98.7
Concrete	49,205	18,610	5.9	37.6	121,529	100.0	Concrete	49,205	24,454	6.7	49.7	121,529	100.0
Plastering and lathing	62,706	6,635	2.1	10.6	178,722	97.2	Plastering and lathing	62,706	9,582	2.6	15.3	178,722	97.2
Roofing and sheet-metal work	\$72,527	500	.2	.1	768,570	96.7	Roofing and sheet-metal work	\$72,527	28	(³)	(³)	747,156	99.1
Roofing	163,357	500	.2	.3	285,575	100.0	Roofing	163,357	28	(³)	(³)	149,695	100.0
Bridge and culvert	16,800	4,400	1.4	26.2	43,000	100.0	Bridge and culvert	16,800	6,000	1.6	35.7	43,000	100.0
<i>Brick (face, common, fire, paving, etc.)</i>							<i>Cement¹</i>						
All classes	3,433,649	156,382	100.0	4.6	8,953,753	79.8	All classes	3,433,649	365,577	100.0	10.6	8,953,753	79.8
General contractors	\$1,994,297	102,511	65.6	5.1	\$6,105,124	72.7	General contractors	\$1,994,297	324,958	88.9	16.3	\$6,105,124	72.7
Building	1,378,150	99,006	63.3	7.2	3,962,672	63.6	Building	1,378,150	148,058	40.5	10.7	3,962,672	63.6
Building not specialized	1,187,255	76,670	49.0	6.5	3,627,377	60.7	Building not specialized	1,187,255	135,978	37.2	11.5	3,627,377	60.7
Commercial building only	83,448	8,546	5.5	10.2	146,076	99.3	Commercial building only	83,448	8,280	2.3	9.9	146,076	99.3
Residential building only	107,447	13,790	8.8	12.3	189,219	83.8	Residential building only	107,447	8,800	1.0	3.5	189,219	83.8
Highway	40,196	8,546	5.5	10.2	170,416	87.3	Highway	40,196	3,700	1.0	9.2	179,416	87.3
Bridge and culvert	94,094	2,155	1.4	2.3	166,330	92.2	Bridge and culvert	94,094	11,153	3.1	11.9	166,330	92.2
Street paving	419,080	1,350	.9	.3	1,529,566	94.6	Street paving	419,080	162,009	41.6	36.3	1,529,566	94.6
Dam and reservoir	59,277				135,140	91.9	Dam and reservoir	59,277	9,948	2.7	16.8	135,140	91.9
Subcontractors	\$1,439,352	53,871	34.4	3.7	\$2,848,629	98.7	Subcontractors	\$1,439,352	40,619	11.1	2.8	\$2,848,629	98.7
Masonry	74,683	53,871	34.4	72.2	149,595	100.0	Masonry	74,683	555	.2	.7	149,595	100.0
							Plastering and lathing	62,706	9,582	2.6	15.3	178,722	97.2
							Roofing and sheet-metal work	\$72,527	500	.2	.1	768,570	96.7
							Roofing	163,357	500	.2	.3	285,575	100.0
							Bridge and culvert	16,800	4,400	1.4	26.2	43,000	100.0

See footnotes at end of table.

TABLE 10.—COMPARISON OF COST OF SPECIFIED 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		
ARIZONA—Continued						ARIZONA—Continued							
<i>Plaster, etc.</i>						<i>Roofing and sheet metal—Continued</i>							
All classes.....	\$3,433,649	\$50,394	100.0	1.5	\$8,953,753	79.8	Subcontractors.....	\$1,430,352	\$303,430	80.3	25.3	\$2,848,629	98.7
General contractors.....	1,904,297	21,463	42.6	1.1	6,105,124	72.7	Heating and plumbing.....	492,512	8,027	2.0	1.6	3,962,672	63.6
Building.....	1,378,150	21,463	42.6	1.0	3,962,672	60.7	Plumbing.....	427,003	7,027	1.7	1.6	1,187,255	60.7
Building not specialized.....	1,187,255	12,199	24.2	1.0	3,627,377	60.7	Plumbing and heating combined.....	13,000	1,000	.2	7.7	83,448	99.3
Commercial building only.....	83,448	0,894	13.7	8.3	146,076	99.3	Roofing and sheet-metal work.....	372,527	355,412	87.4	95.4	107,447	98.8
Residential building only.....	107,447	2,360	4.7	2.2	189,219	83.8	Roofing.....	193,357	163,857	40.0	99.7	94,094	100.0
Subcontractors.....	1,430,352	28,941	57.4	2.0	2,848,629	98.7	Sheet-metal work.....	200,170	102,555	47.3	92.1	59,277	94.8
Plastering and lathing.....	62,706	28,941	57.4	46.2	178,722	97.2	<i>Heating and ventilating equipment</i>						
<i>Structural steel</i>						<i>All classes.....</i>							
All classes.....	3,433,649	80,374	100.0	2.3	8,953,753	79.8	General contractors.....	1,904,297	0,620	4.2	.3	6,105,124	72.7
General contractors.....	1,904,297	79,774	99.3	4.0	6,105,124	72.7	Building.....	1,378,150	6,020	4.2	.5	3,962,672	63.6
Building.....	1,378,150	38,051	48.1	2.8	3,962,672	63.6	Building not specialized.....	1,187,255	5,400	3.5	.4	3,627,377	60.7
Building not specialized.....	1,187,255	34,006	43.1	2.9	3,627,377	60.7	Commercial building only.....	83,448	3,975	4.0	4.8	146,076	99.3
Commercial building only.....	83,448	3,975	4.0	4.8	146,076	99.3	Residential building only.....	107,447	70	.1	.1	189,219	83.8
Residential building only.....	107,447	70	.1	.1	189,219	83.8	Bridge and culvert.....	94,094	41,123	51.2	43.7	166,330	92.2
Highway.....	40,196	0,270	11.4	15.6	179,416	87.3	Subcontractors.....	1,430,352	600	.7	(0)	2,848,629	98.7
Bridge and culvert.....	94,094	8,823	16.0	0.4	166,330	92.2	Plastering and lathing.....	62,706	600	.7	1.0	178,722	97.2
Street paving.....	410,080	241	.4	.1	1,529,566	94.6	<i>Reinforcing steel</i>						
Dam and reservoir.....	59,277	500	.9	.8	135,140	91.0	All classes.....	3,433,649	55,075	100.0	1.6	8,953,753	79.8
Subcontractors.....	1,430,352	4,956	9.0	.3	2,848,629	98.7	General contractors.....	1,904,297	50,119	91.0	2.5	6,105,124	72.7
Concreting.....	40,205	3,456	8.3	7.0	121,520	100.0	Building.....	1,378,150	34,285	62.8	2.5	3,962,672	63.6
Bridge and culvert.....	16,800	1,500	2.7	8.0	43,000	100.0	Building not specialized.....	1,187,255	32,635	59.3	2.7	3,627,377	60.7
<i>Lumber, rough and finished</i>						<i>Plumbing and gas fitting equipment²</i>							
All classes.....	3,433,649	530,728	100.0	15.7	8,953,753	79.8	All classes.....	3,433,649	379,622	100.0	11.1	8,953,753	79.8
General contractors.....	1,904,297	538,628	99.8	27.0	6,105,124	72.7	General contractors.....	1,904,297	30,410	9.6	1.8	6,105,124	72.7
Building.....	1,378,150	508,947	94.3	36.9	3,962,672	63.6	Building.....	1,378,150	30,035	9.5	2.0	3,962,672	63.6
Building not specialized.....	1,187,255	450,608	83.5	38.0	3,627,377	60.7	Building not specialized.....	1,187,255	15,371	4.0	1.3	3,627,377	60.7
Commercial building only.....	83,448	19,789	3.7	23.7	146,076	99.3	Commercial building only.....	83,448	0,964	1.6	7.3	146,076	99.3
Residential building only.....	107,447	38,550	7.1	35.9	189,219	83.8	Residential building only.....	107,447	14,600	3.8	13.6	189,219	83.8
Highway.....	40,196	4,850	.9	12.1	179,416	87.3	Bridge and culvert.....	94,094	375	.1	.4	166,330	92.2
Bridge and culvert.....	94,094	10,681	3.1	17.7	166,330	92.2	Subcontractors.....	1,430,352	243,212	60.4	23.8	2,848,629	98.7
Street paving.....	410,080	8,150	1.8	1.9	1,529,566	94.6	Heating and plumbing.....	492,512	336,712	88.7	68.4	868,510	98.4
Subcontractors.....	1,430,352	1,100	.2	.1	2,848,629	98.7	Heating and piping.....	62,509	12,541	3.8	23.0	3,962,672	63.6
Bridge and culvert.....	16,800	1,100	.2	6.5	43,000	100.0	Plumbing.....	427,003	818,171	83.8	74.5	747,156	99.1
<i>Millwork</i>						<i>Plumbing and heating combined.....</i>							
All classes.....	3,433,649	166,653	100.0	4.9	8,953,753	79.8	Roofing and sheet-metal work.....	372,527	0,500	1.7	1.7	768,570	90.7
General contractors.....	1,904,297	166,653	100.0	8.4	6,105,124	72.7	Sheet-metal work.....	200,170	0,500	1.7	3.1	482,905	94.8
Building.....	1,378,150	165,100	99.1	12.0	3,962,672	63.6	<i>Electrical appliances and supplies³</i>						
Building not specialized.....	1,187,255	154,444	92.7	13.0	3,627,377	60.7	All classes.....	3,433,649	313,618	100.0	9.1	8,953,753	79.8
Commercial building only.....	83,448	4,446	2.7	5.3	146,076	99.3	General contractors.....	1,904,297	13,228	4.2	.7	6,105,124	72.7
Residential building only.....	107,447	6,270	3.8	6.8	189,219	83.8	Building.....	1,378,150	12,058	4.1	.9	3,962,672	63.6
Bridge and culvert.....	94,094	893	.4	.7	166,330	92.2	Building not specialized.....	1,187,255	5,515	1.8	.5	3,627,377	60.7
Dam and reservoir.....	59,277	800	.5	1.8	135,140	91.9	Commercial building only.....	83,448	3,093	1.2	4.4	146,076	99.3
<i>Roofing and sheet metal⁴</i>						<i>Bituminous paving materials, tar, asphalt, and oil</i>							
All classes.....	3,433,649	406,770	100.0	11.8	8,953,753	79.8	All classes.....	3,433,649	63,560	100.0	1.9	8,953,753	79.8
General contractors.....	1,904,297	43,340	10.7	2.2	6,105,124	72.7	General contractors.....	1,904,297	63,560	100.0	3.2	6,105,124	72.7
Building.....	1,378,150	39,945	9.8	2.9	3,962,672	63.6	Building.....	1,378,150	85	.1	(0)	3,962,672	63.6
Building not specialized.....	1,187,255	80,144	7.4	2.5	3,627,377	60.7	Building not specialized.....	1,187,255	85	.1	(0)	3,627,377	60.7
Commercial building only.....	83,448	5,261	1.3	6.3	146,076	99.3	Residential building only.....	107,447	85	.1	(0)	189,219	83.8
Residential building only.....	107,447	4,550	1.1	4.2	189,219	83.8	Bridge and culvert.....	94,094	2,895	.7	3.1	166,330	92.2
Bridge and culvert.....	94,094	2,895	.7	3.1	166,330	92.2	Dam and reservoir.....	59,277	500	.1	.8	135,140	91.0
Dam and reservoir.....	59,277	500	.1	.8	135,140	91.0	<i>Subcontractors.....</i>						
						1,430,352 300,390 95.8 20.9 2,848,629 98.7							
						62,706 300,390 95.8 100.0 178,722 100.0							

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

² See footnote 2 of Table 9 on page 192.

³ Includes cost of materials reported by establishments which did not include designated material in their distributed lists.

⁴ Includes construction work reported by establishments which did not include the designated material in their distributed lists.

⁵ Less than one-tenth of 1 per cent.

⁶ Includes cost of materials reported by subcontracting establishments which did not include the designated material in their distributed lists.

⁷ Includes construction work reported by subcontracting establishments which did not include the designated material in their distributed lists.

CONSTRUCTION—ARIZONA

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 (fire-proofing)	Tile, facing, terra cotta, floor, and wall	Concrete and cinder block	Rip-rap, rubble, etc.	Cement	Lime	Plaster, etc.	Structural steel	Reinforcing steel	Metal doors, windows and trim	Metal and wire lath and furring
		Amount	Per cent of total													
ARIZONA	\$4,969,156	\$3,433,649	69.1	\$316,200	\$156,382	\$10,782	\$75,246	\$18,783	\$6,300	\$365,577	\$4,697	\$50,394	\$80,374	\$55,075	\$14,653	\$19,431
General contractors	\$2,878,451	1,094,297	69.3	286,155	102,611	9,082	7,971	18,783	6,300	324,958	3,297	21,453	79,774	50,119	14,653	8,931
Building	1,912,029	1,378,150	72.1	79,082	99,006	9,082	7,971	18,783	300	148,058	3,297	21,453	38,651	34,285	14,653	8,931
Building not specialized	1,572,007	1,187,255	75.5	73,344	79,670	6,657	6,242	18,783	300	135,978	2,797	12,199	34,606	32,635	13,022	8,363
Commercial building only	83,448	83,448	100.0	4,038	8,546	225	1,309			8,280		6,894	3,975	1,250	331	
Residential building only	256,574	107,447	41.9	1,700	13,790	2,200	420			3,800	500	2,360	70	4,200	1,300	568
Highway	189,889	40,196	21.2	15,500					6,000	3,700				6,270		
Bridges and culvert	94,094	94,094	100.0	5,700	2,155					11,153			41,123	8,823		
Grading	3,500	3,500	100.0													
Street paving	500,752	419,080	82.7	177,358	1,350					162,099				241		
Dam and reservoir	59,277	59,277	100.0	8,515						9,948				500		
Subcontractors	\$2,090,735	1,439,352	68.8	30,045	53,871	1,700	67,275			40,619	1,400	28,041	600	4,959		10,500
Concreting	49,205	49,205	100.0	18,510						24,454				3,456		
Electrical	300,390	300,390	100.0													
Heating and plumbing	758,895	492,512	64.9							28						
Heating and piping	52,500	52,500	100.0													
Plumbing	470,123	427,003	89.1							28						
Plumbing and heating combined	227,263	13,000	5.7													
Masonry	124,583	74,683	59.9		53,871	1,700				555						
Plastering and lathing	62,706	62,706	100.0	6,635						9,582	1,400	28,041	600			10,500
Roofing and sheet-metal work	372,527	372,527	100.0	500												
Roofing	163,357	163,357	100.0	500												
Sheet-metal work	209,170	209,170	100.0													
Marble and tiling	70,629	70,629	100.0				67,275									
Bridges and culvert	16,800	16,800	100.0	4,400						6,000				1,500		

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.	Screens, shades, awnings, etc.	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.	Bituminous paving, materials	Mineral products (non-metallic) n. e. s.	Miscellaneous
ARIZONA	\$539,728	\$19,529	\$186,653	\$7,755	\$48,477	\$18,867	\$406,779	\$17,881	\$4,695	\$166,425	\$379,622	\$313,618	\$38,387	\$21,890	\$63,599	\$18,457	\$37,393
General contractors	538,628	11,096	160,653	7,755	48,477	18,867	43,340	17,881	4,695	6,620	30,410	13,228	37,672	10,750	63,599		34,039
Building	508,947	11,186	165,100	7,755	44,919	17,347	39,945	17,881	4,024	6,620	36,035	12,958	200	1,000	85		20,539
Building not specialized	460,608	9,062	164,444	7,374	40,564	12,075	30,144	14,581	2,849	5,400	15,371	6,515		1,000	85		16,587
Commercial building only	19,789		4,446	331	2,202	2,872	6,251		325		6,064	3,093					3,027
Residential building only	38,550	2,124	6,270	50	2,150	2,400	4,550	3,300	850	1,220	14,600	3,750	200				325
Highway	4,850				1,176	200							1,500	1,000			
Bridges and culvert	16,681		693		2,385	1,170	2,895		671		375	270					
Grading																	3,500
Street paving	8,150												3,618	2,750	63,514		10,000
Dam and reservoir		510	800			150	500					32,354	6,000				
Subcontractors	1,100	7,833					363,439			149,805	343,212	300,390	715	11,140		13,457	3,354
Concreting		2,786															
Electrical												300,390					
Heating and plumbing							8,027			139,805	336,712		600	7,340			
Heating and piping										39,963	12,541						
Plumbing							7,027			93,837	318,171		600	7,340			
Plumbing and heating combined							1,000			6,000	6,000						
Masonry																	
Plastering and lathing		5,048															18,457
Roofing and sheet-metal work							355,412			10,000	6,500		115				
Roofing							192,357										
Sheet-metal work							192,555			10,000	6,500		115				
Marble and tiling																	3,354
Bridges and culvert	1,100													3,800			

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 of Table 9, on page 192.

³ Sewer, gas, water, conduit, \$112,910.

⁴ Steel erection, \$335,000.

⁵ Includes the reported cost of cut stone, granite and marble; cast iron, miscellaneous, excluding pipe; ornamental metal work; waterproofing materials; elevators dumb-waiters, etc.; wire cable, guards, and fencing; and miscellaneous, n. e. s. For total cost of these items see Table 9.

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ARKANSAS



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	VALUE OF CONSTRUCTION BUSINESS						PRINCIPAL EXPENDITURES							
	Number of establishments	Total	Under general contract or directly for owner	Under sub-contract	Sub-contract work lot	Wages paid	Cost of materials	Number of establishments	Total	Under general contract or directly for owner	Under sub-contract	Sub-contract work lot	Wages paid	Cost of materials
ARKANSAS	118	\$17,022	\$16,136	\$1,886	\$2,465	\$3,016	\$7,156							
Counties:														
Clark.....	3	238	238	---	20	51	97							
Garland.....	0	884	711	173	156	172	223							
Jefferson.....	12	2,212	1,600	552	174	380	1,155							
Mississippi.....	3	431	431	---	119	63	88							
Pulaski.....	43	8,116	7,160	950	1,356	1,880	3,434							
Sebastian.....	0	2,104	2,093	71	295	540	942							
Union.....	3	322	322	---	11	120	171							
Washington.....	4	322	322	---	27	98	147							
Other counties ¹	35	2,333	2,193	140	328	604	900							
Classification of establishments														
General contractors ²	83	14,440	14,433	7	2,434	3,201	5,824							
Building.....	50	7,680	7,080	---	1,842	1,855	3,089							
Building not specialized ³	46	7,372	7,372	---	1,818	1,753	2,935							
Residential building only.....	4	308	308	---	24	102	155							
Highway.....	17	3,852	3,848	4	336	818	1,627							
Bridge, culvert, and railroad.....	9	1,065	1,662	3	90	377	837							
Street paving.....	3	208	208	---	4	51	130							
Other classes ⁴	4	946	946	---	150	100	240							
Subcontractors.....	35	2,582	702	1,879	31	623	1,332							
Electrical.....	4	206	33	173	---	61	117							
Heating and plumbing.....	16	1,551	436	1,115	13	370	820							
Plumbing.....	10	1,053	388	665	13	246	578							
Plumbing and heating combined.....	6	498	48	450	---	124	251							
Roofing and sheet-metal work.....	7	448	179	269	---	84	225							
Subcontractors—Continued. Marble, tiling, and plastering.....	3	\$175	---	---	---	---	---							
Other classes ⁵	5	202	\$55	147	---	\$18	\$63							
Size of business groups														
General contractors ²	83	14,440	14,433	7	2,434	3,201	5,824							
\$25,000 to \$49,999.....	24	929	925	4	125	234	446							
\$50,000 to \$99,999.....	18	1,271	1,271	---	141	204	609							
\$100,000 to \$199,999.....	18	2,428	2,425	3	231	583	983							
\$200,000 to \$499,999.....	10	4,934	4,934	---	838	916	1,792							
\$500,000 to \$999,999.....	7	4,878	4,878	---	1,009	1,204	1,904							
\$1,000,000 and over.....	---	---	---	---	---	---	---							
Building contractors ²	50	7,080	7,080	---	1,842	1,855	3,089							
\$25,000 to \$49,999.....	20	785	785	---	105	207	306							
\$50,000 to \$99,999.....	14	990	990	---	134	249	447							
\$100,000 to \$199,999.....	7	806	806	---	125	270	418							
\$200,000 to \$499,999.....	4	1,102	1,102	---	100	409	409							
\$500,000 to \$999,999.....	5	3,817	3,817	---	1,073	939	1,420							
\$1,000,000 and over.....	---	---	---	---	---	---	---							
Subcontractors.....	35	2,582	702	1,879	31	623	1,332							
\$25,000 to \$49,999.....	15	512	104	348	18	145	225							
\$50,000 to \$99,999.....	15	1,000	278	722	---	232	528							
\$100,000 to \$199,999.....	4	583	200	374	1	134	300							
\$200,000 to \$499,999.....	1	487	52	435	12	112	280							
\$500,000 to \$999,999.....	---	---	---	---	---	---	---							
\$1,000,000 and over.....	---	---	---	---	---	---	---							

¹ Includes Arkansas, Benton, Chicot, Cleburne, Conway, Craighead, Crawford, Drew, Faulkner, Greene, Hempstead, Hot Spring, Independence, Johnson, Lee, Logan, Lonoke, Miller, Montgomery, Ouachita, Phillips, Pope, St. Francis, and White 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 operative builders.
³ Includes dam and reservoir; sewer, gas, water, conduit, and levee.
⁴ Includes concreting; painting and decorating; and excavating.

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
ARKANSAS													
All construction business.....	118	\$17,021,623	83	\$14,430,729	35	\$2,581,894							
Distribution not reported.....	25	3,012,940	14	2,457,879	9	555,061							
Distributed by class of ownership.....													
Private.....	66	14,008,633	60	11,981,850	26	2,026,833							
Quasi public or community.....	10	679,978	12	579,943	7	100,035							
Public.....	54	8,181,337	40	7,683,591	14	497,796							
Distribution not reported.....	9	1,447,608	4	1,245,600	5	201,918							
Distributed by class of public ownership.....													
Federal.....	45	6,733,779	36	6,437,901	9	295,878							
State.....	4	321,157	2	(?)	2	(?)							
County or township.....	34	4,077,622	27	4,445,197	7	232,425							
Municipal.....	12	1,045,325	11	(?)	1	(?)							
All business under general contract or directly for owners.....	97	15,135,237	83	14,432,804	14	702,433							
Distribution not reported.....	1	50,792	1	50,792	---	---							
Distributed by class.....													
Building.....	65	15,084,446	52	14,432,804	13	651,641							
Distribution not reported.....	12	8,292,157	62	7,689,109	13	603,001							
Distribution not reported.....	12	855,995	8	697,250	4	248,712							
Distributed by class.....													
Commercial.....	57	7,436,186	44	7,081,900	9	354,286							
Educational.....	27	1,046,798	24	1,028,209	3	18,520							
Hotel.....	22	2,300,626	19	2,358,395	3	32,230							
Hospital and institutional.....	7	427,803	6	512,541	1	16,883							
Manufacturing.....	4	101,621	3	(?)	1	(?)							
Military and naval.....	7	102,087	5	(?)	2	(?)							
Public: Courts, jails, etc.....	1	398,642	1	398,642	---	---							
Religious and memorial.....	7	(?)	7	(?)	---	---							
Social and recreational.....	6	394,155	4	(?)	2	(?)							
Residential.....	39	1,504,193	31	1,242,313	8	261,880							
Rail and water transportation.....	3	404,007	2	447,680	1	22,045							
Miscellaneous.....	11	65,118	9	(?)	2	(?)							
ARKANSAS—Continued													
All business under general contract or directly for owners—Contd. Distributed by class—Contd.													
Highway and street.....	26	\$4,328,855	25	\$4,328,855	1	(?)							
Railroad and car line.....	3	130,644	2	\$9,743,648	1	\$48,640							
Public works and utilities.....	18	2,332,889	16	(?)	2	(?)							
Bridge, tunnel, etc.....	12	(?)	11	(?)	1	(?)							
Central station, light, and power plant.....	1	1,468,000	1	(?)	---	---							
Flood control, irrigation, and land drainage.....	3	494,800	3	494,800	---	---							
Sewage disposal and drainage.....	2	(?)	1	(?)	1	(?)							
Water supply.....	1	369,990	1	(?)	---	---							
Miscellaneous.....	1	(?)	1	(?)	---	---							
All business under subcontract.....	30	1,886,886	2	(?)	28	(?)							
Concreting.....	3	80,455	1	(?)	2	(?)							
Electrical.....	3	173,236	---	---	3	173,236							
Heating and plumbing.....	1,111,684	---	---	---	1,111,684	---							
Heating and piping.....	7	238,427	---	---	7	238,427							
Pipe covering.....	1	452,229	---	---	1	452,229							
Plumbing.....	9	420,978	---	---	9	420,978							
Plumbing and heating combined.....	5	---	---	---	5	---							
Painting and decorating.....	1	---	---	---	1	---							
Plastering and lathing.....	1	219,720	---	---	1	219,720							
Marble and tiling.....	2	---	---	---	2	---							
Roofing and sheet-metal work.....	3	273,171	---	---	3	273,171							
Roofing.....	2	164,760	---	---	2	164,760							
Sheet-metal work.....	1	108,421	---	---	1	108,421							
Roofing and sheet metal combined.....	1	---	---	---	1	---							
Excavating.....	2	---	---	---	2	---							
Highway.....	1	48,170	---	---	1	48,170							

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—ARKANSAS

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
General contractors ¹	79	12,547,761	4,124,279	11,030,487	1,517,274	Subcontractors.....	35	\$2,581,894	\$1,078,683	\$2,113,720	\$468,174
Building.....	48	6,057,166	3,697,403	5,324,516	732,650	Electrical.....	4	208,409	160,510	160,510	45,899
Building not specialized.....	43	5,749,366	3,394,603	5,016,716	732,650	Heating and plumbing.....	16	1,550,636	953,296	1,130,361	420,275
Residential building only.....	5	307,800	302,800	307,800		Plumbing.....	10	1,053,093	534,593	632,818	420,275
Highway.....	16	3,582,109	85,460	3,099,319	482,790	Plumbing and heating combined.....	6	497,543	418,703	497,543	
Bridge, culvert, and railroad.....	5	1,664,835	11,000	1,368,911	295,924	Roofing and sheet-metal work.....	7	448,115	330,903	446,115	2,000
Street paving.....	2	297,971	273,971	297,971		Marble, tiling, and plastering.....	3	175,000	135,000	175,000	
Other classes ²	4	945,680	56,445	939,770	5,910	Other classes ³	5	201,734	98,974	201,734	

¹ Includes operative builders.
² Includes sewer, gas, water, conduit; dam and reservoir; and levee.
³ Includes concreting; painting and decorating; and excavating.

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
ARKANSAS				ARKANSAS—Continued			
Total distributed by State ¹	\$1,985,448	\$1,517,274	\$468,174	Total distributed by State—Continued			
Alabama.....	19,333		19,333	Missouri.....	\$90,966	\$90,966	
Iowa.....	11,454		11,454	Ohio.....	11,516		\$11,516
Kansas.....	160,000	160,000		Oklahoma.....	202,720	202,063	663
Louisiana.....	653,701	390,701	263,000	Pennsylvania.....	1,332		1,332
Michigan.....	3,601		3,601	Tennessee.....	337,146	337,146	
Mississippi.....	4,200		4,200	Texas.....	489,473	336,398	153,076

¹ Number of establishments reporting: All classes, 10—General contractors, 13; 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	
ARKANSAS	115	99	54	\$178,381	268	\$518,224	131	\$238,843	137	\$284,381	256	223	33	12
General contractors ¹	83	80	35	125,998	211	413,699	90	170,901	121	242,795	205	184	21	6
Building.....	50	48	19	73,518	69	150,961	35	77,255	34	73,706	66	55	11	3
Building not specialized ¹	45	44	18	71,118	63	143,161	33	74,255	30	68,906	60	49	11	3
Residential building only.....	5	4	1	2,400	6	7,800	2	3,000	4	4,800	6	6		
Highway.....	17	14	6	16,320	81	162,150	38	67,025	48	95,125	81	75	0	
Bridge, culvert, and railroad.....	9	14	2	15,000	29	50,230	9	13,420	20	36,810	28	25	3	1
Street paving.....	3	2	3	9,360	3	2,080	2	1,150	1	1,500	1	1		2
Other classes ²	4	2	5	11,800	29	47,675	11	12,021	18	35,654	29	28	1	
Subcontractors.....	32	19	19	52,383	57	104,528	41	62,942	16	41,586	51	39	12	6
Heating and plumbing.....	15	8	9	23,040	30	55,615	21	30,072	9	25,543	27	20	7	3
Plumbing.....	10	4	7	19,440	24	51,215	15	25,672	9	25,543	21	16	5	3
Plumbing and heating combined.....	5	4	2	3,600	6	4,400	6	4,400			6	4	2	
Roofing and sheet-metal work.....	7	4	3	6,152	19	30,465	16	25,970	3	4,495	17	13	4	2
Marble, tiling, and plastering.....	3	2	1	3,000	3	10,200	2	5,000	1	5,000	3	2	1	
Other classes ³	7	5	6	19,591	5	8,248	2	1,900	3	6,348	4	4		1

¹ Includes operative builders.
² Includes sewer, gas, water, conduit; dam and reservoir; and levees.
³ Includes concreting; electrical; painting and decorating; and excavating.

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	Inventor value at end of year					Purchased during the year	Inventor value at end of year		
ARKANSAS.....	103	\$556,760	\$1,450,497	\$15,517,296	\$3,640,251	ARKANSAS—Continued					
<i>Classification of establishments</i>						<i>Percentage of equipment owned</i>					
General contractors ¹	72	529,375	1,333,047	13,147,438	3,070,751	General contractors ¹	72	\$529,375	\$1,333,047	\$13,147,438	\$3,070,751
Building.....	42	40,200	202,236	6,921,986	1,715,070	None.....	3			110,000	26,181
Building not specialized ¹	39	40,200	202,236	6,727,186	1,647,570	1% to 25%.....	1	750	1,225	28,012	7,000
Residential building only.....	3			194,800	67,500	26% to 50%.....	1	200	560	35,000	10,331
Highway.....	17	395,884	751,861	3,851,729	817,696	51% to 75%.....	7	42,240	112,933	875,922	245,813
Bridge, culvert, and railroad.....	8	28,500	190,912	1,600,262	300,777	76% to 99%.....	50	486,185	1,216,839	12,055,786	2,770,887
Other classes ²	5	64,791	188,038	873,461	177,208	100%.....	1		1,500	42,718	11,039
Subcontractors.....	31	27,375	117,450	2,369,858	569,500	Not reported.....					
Electrical.....	3		1,395	156,409	45,063	Subcontractors.....	31	27,375	117,450	2,369,858	569,500
Heating and plumbing.....	14	13,462	58,918	1,453,600	345,030	None.....					
Plumbing.....	9	11,228	48,880	982,318	226,026	1% to 25%.....					
Plumbing and heating combined.....	5	2,234	10,038	471,282	119,063	26% to 50%.....					
Roofing and sheet-metal work.....	7	5,645	27,337	448,115	84,125	51% to 75%.....					
Other classes ²	7	8,208	29,800	311,734	94,623	76% to 99%.....					
						100%.....					
						Not reported.....					

¹ Includes operative builders.
² Includes street paving; dam and reservoir; and levee.
³ Includes concreting; painting and decorating; plastering and lathing; marble and tiling; and excavating.

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	
ARKANSAS.....	79	1,292	1,321	1,763	2,137	2,432	2,654	2,765	2,636	2,505	2,417	2,042	1,663	\$2,567,792
<i>Classification of establishments</i>														
General contractors.....	54	1,082	1,073	1,304	1,727	2,089	2,194	2,345	2,223	2,032	2,002	1,723	1,421	2,080,265
Building.....	30	491	546	681	792	1,179	1,112	1,031	912	876	756	611	561	1,106,916
Building not specialized.....	27	409	524	660	760	1,137	1,075	1,002	891	841	738	591	540	1,000,798
Residential building only.....	3	22	22	31	42	42	38	29	21	35	18	20	21	46,118
Highway.....	12	200	128	214	452	521	532	708	589	576	762	631	456	493,485
Bridge and culvert.....	6	150	167	258	239	207	294	298	363	315	272	229	194	244,400
Other classes ¹	6	241	232	241	244	182	255	308	359	265	212	252	210	235,404
Subcontractors.....	25	200	248	359	410	343	390	420	413	473	415	319	242	487,527
Heating and plumbing.....	10	114	152	235	214	165	209	233	216	241	182	174	128	298,663
Plumbing.....	5	64	108	185	108	110	126	124	102	116	85	95	72	185,256
Plumbing and heating combined.....	5	50	44	50	40	55	83	100	114	125	97	79	56	113,407
Roofing and sheet-metal work.....	6	50	47	54	72	79	77	88	90	85	80	71	64	74,743
Other classes ²	9	36	49	70	124	99	104	99	107	147	144	74	50	114,121
<i>Length of working week</i>														
General contractors.....	54	1,082	1,073	1,304	1,727	2,089	2,194	2,345	2,223	2,032	2,002	1,723	1,421	2,080,265
40-hour, 5-day week.....														
45-hour, 5-day week.....														
50-hour, 5-day week.....														
All other, 5-day week.....														
44-hour, 5½-day week.....	7	262	250	181	245	302	304	348	343	293	288	208	158	330,663
49½-hour, 5½-day week.....														
55-hour, 5½-day week.....	3	26	25	26	6	110	119	129	120	133	129	125	119	217,700
All other 5½-day week.....	4	51	39	48	81	82	91	78	81	72	68	63	55	91,222
48-hour, 6-day week.....	5	11	06	139	154	199	240	183	144	148	68	58	27	129,706
54-hour, 6-day week.....	5	30	54	75	178	180	176	89	101	70	74	90	87	104,433
60-hour, 6-day week.....	27	691	625	879	1,008	1,091	1,205	1,447	1,365	1,237	1,204	1,098	901	1,139,442
All other 6-day week.....														
All other not designated.....	2		4	38	48	56	53	60	54	72	73	72	65	62,169
Not reported.....	1	5	10	8	7	9	0	11	6	7	8	9	9	4,840
Subcontractors.....	25	200	248	359	410	343	390	420	413	473	415	319	242	487,527
40-hour, 5-day week.....														
45-hour, 5-day week.....														
50-hour, 5-day week.....														
All other 5-day week.....														
44-hour, 5½-day week.....	11	103	91	102	110	128	167	190	201	237	199	141	119	206,875
49½-hour, 5½-day week.....														
55-hour, 5½-day week.....	1	10	10	10	10	15	15	15	15	20	20	20	10	12,000
All other 5½-day week.....	8	72	120	200	196	126	146	150	133	139	113	107	88	218,606
48-hour, 6-day week.....														
54-hour, 6-day week.....														
60-hour, 6-day week.....	5	15	27	47	94	74	72	65	64	77	83	51	25	55,046
All other 6-day week.....														
All other not designated.....														
Not reported.....														

¹ Includes street paving; dam and reservoir; sewer, gas, water, conduit; and levee.
² Includes concreting; electrical; painting and decorating; plastering and lathing; marble and tiling; and excavating.

CONSTRUCTION—ARKANSAS

TABLE 8.—EXPENDITURES OF REPORTING ESTABLISHMENTS: 1929

CLASSIFICATION OF ESTABLISHMENTS	Es-tab-lish-ments report-ing	Value of construction business reported	PRINCIPAL ITEMS OF EXPENDITURE			OTHER ITEMS OF EXPENDITURE							
			Sub-contract work let	Wages paid	Cost of materials	Salaries		Rent for		Interest	Con-tract bond premi-ums	Compen-sation and liability insur-ance premi-ums	All other over head expen-ses
						Propri-eters and firm members	Em-ployees	Equip-ment	Offices, etc.				
ARKANSAS	85	\$12, 083, 607	\$1, 805, 000	\$2, 007, 790	\$5, 425, 333	\$198, 098	\$430, 677	\$13, 704	\$44, 970	\$47, 683	\$124, 391	\$102, 689	\$806, 927
General contractors ¹	50	10, 538, 743	1, 792, 000	2, 390, 514	4, 282, 356	95, 417	341, 352	13, 554	17, 815	42, 259	113, 535	96, 282	695, 905
Building ¹	32	4, 855, 418	1, 306, 000	1, 132, 897	1, 867, 066	47, 237	117, 811	1, 928	8, 307	10, 337	51, 174	44, 944	68, 678
Highway.....	14	3, 229, 104	271, 000	712, 986	1, 331, 571	16, 320	135, 038	5, 012	5, 891	23, 079	34, 072	21, 809	442, 648
Bridge, culvert and railroad.....	9	1, 604, 835	96, 000	377, 277	837, 320	15, 000	50, 230	2, 714	2, 285	7, 227	21, 580	23, 903	92, 047
Other classes ²	4	789, 386	116, 000	167, 354	246, 409	16, 860	38, 278	-----	1, 272	1, 616	6, 703	6, 621	102, 532
Subcontractors.....	26	2, 154, 864	13, 000	517, 276	1, 142, 977	42, 679	89, 325	150	27, 164	5, 404	10, 856	6, 407	111, 022
Heating and plumbing.....	15	1, 524, 700	13, 000	361, 893	813, 922	21, 240	54, 715	150	17, 633	4, 302	10, 217	4, 036	58, 042
Plumbing.....	9	1, 027, 157	13, 000	238, 086	652, 723	17, 640	50, 315	160	12, 380	3, 446	6, 859	2, 576	31, 583
Plumbing and heating combined.....	6	497, 543	-----	123, 807	251, 199	3, 600	4, 400	-----	5, 283	850	3, 358	1, 400	27, 379
Roofing and sheet-metal work.....	4	305, 194	-----	60, 503	160, 507	1, 248	23, 810	-----	5, 365	400	-----	1, 686	44, 130
Marble, tiling, and plastering.....	3	175, 000	-----	48, 141	92, 565	3, 600	10, 200	-----	3, 960	670	375	200	5, 689
Other classes ³	4	149, 970	-----	46, 739	75, 983	16, 591	600	-----	216	32	264	485	2, 201

¹ Includes operative builders.
² Includes street paving; sewer, gas, water, conduit; dam and reservoir; and levee.
³ Includes concreting; electrical; and painting and decorating.

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 establish-ments			General contractors ²	Sub-contractors		All classes of establish-ments			General contractors ²	Sub-contractors
	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		
ARKANSAS						ARKANSAS—Continued					
All kinds of material.....	\$7, 156, 335	-----	\$491. 61	\$5, 823, 944	\$1, 332, 391	All kinds of material—Continued.					
Distribution not reported.....	2, 750, 726	38. 5	-----	2, 361, 398	389, 328	Distributed by kind—Continued.					
Distributed by kind.....	4, 405, 609	100. 0	-----	3, 462, 546	943, 063	Waterproofing materials.....	\$8, 159	0. 2	\$0. 91	\$6, 159	\$2, 000
Sand, gravel, stone, slag, cinders, etc.....	501, 456	11. 4	55. 96	467, 174	34, 282	Hardware, rough and finished.....	74, 014	1. 7	8. 26	73, 896	118
Brick (face, common, fire, paving, etc.).....	306, 503	7. 0	34. 20	302, 303	4, 200	Paints, varnishes, glass.....	82, 540	1. 9	9. 21	61, 621	20, 928
Tile (fireproofing).....	25, 600	. 6	2. 56	25, 600	-----	Roofing and sheet metal.....	191, 498	4. 3	21. 37	57, 608	133, 890
Tile, facing, terra cotta, floor and wall.....	44, 297	1. 0	4. 94	27, 797	16, 500	Finished flooring other than cement, wood, or tile.....	44, 039	1. 0	4. 92	44, 039	-----
Concrete and cinder block.....	30, 393	. 7	3. 39	30, 393	-----	Screens, shades, awnings, etc.....	2, 865	1. 0	. 32	2, 865	-----
Cut stone, granite and marble.....	69, 381	1. 6	7. 74	64, 881	4, 500	Heating and ventilating equip-ment.....	170, 532	3. 9	10. 03	15, 443	155, 080
Riprap, rubble, etc.....	4, 713	. 1	. 53	4, 713	-----	Plumbing and gas-fitting equip-ment.....	404, 207	9. 2	45. 11	23, 413	380, 794
Cement.....	621, 147	14. 1	69. 31	599, 648	21, 499	Electrical appliances and supplies	135, 591	3. 1	15. 13	15, 010	119, 981
Lime.....	27, 557	. 6	3. 07	27, 107	450	Elevators, dumb-waiters, and equipment.....	2, 587	. 1	. 29	2, 587	-----
Plaster, etc.....	70, 842	1. 6	7. 91	60, 157	10, 685	Pipe: Drain tile, vitrified, con-crete, segment tile, corrugated.....	35, 114	. 8	3. 92	30, 664	4, 450
Structural steel.....	134, 933	3. 1	15. 06	134, 933	-----	Pipe: Cast-iron, sheet and tube steel, etc.....	7, 798	. 2	. 87	7, 798	-----
Reinforcing steel.....	228, 232	5. 2	25. 47	220, 732	7, 500	Wire cable, guards, and fencing.....	300	(4)	. 03	100	200
Cast iron, miscellaneous (exclud-ing pipe).....	13, 340	. 3	1. 49	13, 340	-----	Bituminous paving materials, tar, asphalt, and oil.....	10, 269	. 2	1. 15	2, 818	7, 451
Metal doors, windows, and trim.....	28, 800	. 7	3. 22	28, 800	-----	Wood piling and timber.....	271, 281	6. 2	30. 27	271, 281	-----
Metal and wire lath and furring.....	13, 900	. 3	1. 55	13, 900	-----	Ready mixed concrete.....	17, 800	. 4	1. 99	17, 800	-----
Ornamental metal work.....	667	(4)	. 07	667	-----	Freight, hauling or trucking to job.....	55, 000	1. 2	6. 14	55, 000	-----
Lumber, rough and finished.....	505, 186	11. 5	56. 37	502, 320	2, 866	Miscellaneous.....	35, 584	. 8	3. 97	35, 584	-----
Laths, shingles, and shakes (wood).....	26, 748	. 6	2. 98	16, 068	10, 680						
Millwork.....	175, 368	4. 0	19. 57	175, 368	-----						
Composition board.....	27, 359	. 6	3. 06	22, 359	5, 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 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 MATERIALS					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 MATERIALS					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—		Total cost				Cost of all distributed materials	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								Total cost	Cost of all distributed materials				
ARKANSAS							ARKANSAS—Continued										
<i>Sand, gravel, stone, slag, cinders, etc.²</i>							<i>Reinforcing steel—Contd.</i>										
All classes.....	\$ 4,405,000	\$601,450	100.0	11.4	\$9,339,991	85.5	Subcontractors.....	\$ 943,063	\$7,500	3.3	0.8	\$1,771,570	98.8				
General contractors.....	3,355,580	407,174	93.2	13.9	7,367,715	83.0	Concreting.....	49,380	7,200	3.2	14.0	89,039	100.0				
Building.....	1,702,675	108,418	21.0	6.4	3,438,450	70.9	Heating and plumbing.....	550,489	300	.1	.1	982,318	99.2				
Building not specialized.....	1,398,442	82,110	10.4	5.9	2,853,237	70.3	Plumbing.....	550,489	300	.1	.1	982,318	98.8				
Commercial building only.....	167,672	20,000	4.0	12.7	302,672	75.2	<i>Lumber, rough and finished</i>										
Residential building only.....	140,561	6,308	1.3	4.3	282,550	92.2	All classes.....	4,405,609	505,186	100.0	11.5	9,339,991	85.5				
Highway.....	873,728	271,620	54.2	31.1	2,104,729	91.3	General contractors.....	\$ 3,402,540	502,320	99.4	14.5	7,568,415	83.1				
Bridge and culvert.....	672,641	42,732	8.5	6.4	1,215,056	90.2	Building.....	1,809,635	312,186	61.8	17.3	3,639,159	76.0				
Street paving.....	85,020	34,422	6.0	40.1	101,071	98.7	Building not specialized.....	1,505,402	228,653	45.3	15.2	3,053,937	75.3				
Dam and reservoir.....	6,183	5,032	1.2	95.0	180,204	88.3	Commercial building only.....	167,672	34,500	6.8	21.9	302,672	75.2				
Railroad.....	14,430	4,050	.8	28.1	231,200	63.2	Residential building only.....	140,561	40,033	9.7	33.5	282,550	92.2				
Subcontractors.....	\$ 943,063	34,282	6.8	3.6	\$ 1,771,570	98.8	Highway.....	873,728	14,211	2.8	1.0	2,104,729	91.3				
Concreting.....	49,380	20,152	4.0	40.8	89,039	100.0	Bridge and culvert.....	672,641	175,623	34.8	26.1	1,215,056	99.2				
Heating and plumbing.....	550,489	900	.2	.2	982,318	99.2	Railroad.....	14,430	300	.1	2.1	231,200	63.2				
Plumbing.....	550,489	900	.2	.2	982,318	98.8	Subcontractors.....	\$ 943,063	2,800	.6	.3	\$ 1,771,570	98.8				
Plastering and lathing.....	32,045	10,680	2.1	33.3	60,000	100.0	Concreting.....	49,380	2,300	.5	4.8	89,039	100.0				
Roofing and sheet-metal work.....	\$ 149,690	1,800	.4	1.2	\$ 313,115	100.0	Heating and plumbing.....	550,489	500	.1	.1	982,318	99.2				
Roofing.....	134,690	1,800	.4	1.3	287,694	100.0	Plumbing.....	550,489	500	.1	.1	982,318	98.8				
Marble and tiling.....	25,050	750	.1	3.0	50,000	100.0	<i>Millwork</i>										
<i>Brick (face, common, fire, paving, etc.)</i>								All classes.....	\$ 4,405,609	175,368	100.0	4.0	\$ 9,339,991	85.5			
All classes.....	4,405,609	300,503	100.0	7.0	9,339,991	85.5	General contractors.....	\$ 3,402,540	175,368	100.0	5.1	7,568,415	83.1				
General contractors.....	\$ 3,402,540	302,303	98.0	8.7	\$ 7,568,415	83.1	Building.....	1,809,635	175,008	99.8	9.7	3,639,159	76.0				
Building.....	1,809,635	262,303	82.3	13.0	3,639,159	76.0	Building not specialized.....	1,505,402	140,591	33.6	9.7	3,053,937	75.3				
Building not specialized.....	1,505,402	108,349	54.0	11.2	3,053,937	75.3	Commercial building only.....	167,672	12,000	6.8	7.0	302,672	75.2				
Commercial building only.....	167,672	60,000	10.6	38.1	302,672	75.2	Residential building only.....	140,561	10,477	0.4	11.2	282,550	92.2				
Residential building only.....	140,561	23,964	7.8	10.3	282,550	92.2	Bridge and culvert.....	672,641	300	.2	(*)	1,215,056	99.2				
Highway.....	873,728	50,000	16.3	5.7	2,104,729	91.3	<i>Hardware, rough and finished</i>										
Subcontractors.....	\$ 943,063	4,200	1.4	.4	\$ 1,771,570	98.8	All classes.....	4,405,609	74,014	100.0	1.7	9,339,991	85.5				
Heating and plumbing.....	550,489	4,200	1.4	.8	982,318	99.2	General contractors.....	\$ 3,462,540	73,899	99.8	2.1	\$ 7,568,415	83.1				
Plumbing.....	550,489	4,200	1.4	.8	982,318	98.8	Building.....	1,809,635	58,460	79.0	3.2	3,639,159	76.0				
<i>Cement³</i>							<i>Paints, varnishes, glass</i>										
All classes.....	4,405,609	621,147	100.0	14.1	9,339,991	85.5	All classes.....	4,405,609	82,549	100.0	1.9	9,339,991	85.5				
General contractors.....	\$ 3,462,540	500,048	90.5	17.3	\$ 7,568,415	83.1	General contractors.....	\$ 3,462,540	61,021	74.0	1.8	\$ 7,568,415	83.1				
Building.....	1,809,635	119,378	19.2	6.6	3,639,159	76.0	Building.....	1,809,635	58,061	70.3	3.2	3,639,159	76.0				
Building not specialized.....	1,505,402	109,063	17.6	7.2	3,053,937	75.3	Building not specialized.....	1,505,402	52,141	70.4	3.5	3,053,937	75.3				
Commercial building only.....	167,672	5,000	.8	3.2	302,672	75.2	Commercial building only.....	167,672	700	.9	.4	302,672	75.2				
Residential building only.....	140,561	5,315	.9	3.6	282,550	92.2	Residential building only.....	140,561	5,019	7.0	3.8	282,550	92.2				
Highway.....	873,728	356,790	57.4	40.8	2,104,729	91.3	Highway.....	873,728	400	.5	(*)	2,104,729	91.3				
Bridge and culvert.....	672,641	66,671	10.7	9.9	1,215,056	90.2	Bridge and culvert.....	672,641	16,036	20.3	2.2	1,215,056	99.2				
Street paving.....	85,020	51,507	8.3	59.9	101,071	98.7	Subcontractors.....	\$ 943,063	118	.2	(*)	\$ 1,771,570	98.8				
Dam and reservoir.....	6,183	10	(*)	.3	180,204	88.3	Concreting.....	49,380	118	.2	.2	89,039	100.0				
Railroad.....	14,430	5,280	.9	36.0	231,200	63.2	<i>Roofing and sheet metal</i>										
Subcontractors.....	\$ 943,063	21,499	3.5	2.3	\$ 1,771,570	98.8	All classes.....	\$ 4,405,609	191,498	100.0	4.3	\$ 9,339,991	85.5				
Concreting.....	49,380	17,899	2.9	30.2	89,039	100.0	General contractors.....	\$ 3,355,580	57,603	30.1	1.7	\$ 7,367,715	83.9				
Heating and plumbing.....	550,489	600	.1	.1	982,318	99.2	Building.....	\$ 1,702,675	57,568	30.1	3.4	\$ 3,438,450	70.9				
Plumbing.....	550,489	600	.1	.1	982,318	98.8	Building not specialized.....	1,398,442	55,478	29.0	4.0	2,853,237	76.3				
Marble and tiling.....	25,050	3,000	.5	12.0	50,000	100.0	Residential building only.....	140,561	2,092	1.1	1.4	282,550	92.2				
<i>Structural steel</i>							<i>Roofing and sheet metal combined</i>										
All classes.....	\$ 4,405,609	134,933	100.0	3.1	\$ 9,339,991	85.5	All classes.....	\$ 943,063	133,890	69.9	(*)	\$ 1,771,570	98.8				
General contractors.....	\$ 3,462,540	134,933	100.0	3.9	\$ 7,568,415	83.1	Roofing and sheet-metal work.....	149,690	133,890	69.9	89.4	313,115	100.0				
Building.....	1,809,635	85,051	63.0	4.7	3,639,159	76.0	Roofing.....	134,690	118,890	62.1	88.3	287,694	100.0				
Building not specialized.....	1,505,402	74,871	55.5	5.0	3,053,937	75.3											
Commercial building only.....	167,672	10,000	7.4	6.3	302,672	75.2											
Residential building only.....	140,561	180	.1	1.4	282,550	92.2											
Highway.....	873,728	11,800	8.7	1.4	2,104,729	91.3											
Bridge and culvert.....	672,641	38,082	28.2	5.7	1,215,056	90.2											
<i>Reinforcing steel</i>																	
All classes.....	\$ 4,405,609	228,232	100.0	5.2	\$ 9,339,991	85.5											
General contractors.....	\$ 3,355,580	220,732	90.7	6.8	\$ 7,367,715	83.9											
Building.....	1,702,675	84,894	37.2	5.0	3,438,450	70.9											
Building not specialized.....	1,398,442	70,681	34.9	5.7	2,853,237	76.3											
Commercial building only.....	167,672	3,000	1.3	1.9	302,672	75.2											
Residential building only.....	140,561	2,189	1.0	1.5	282,550	92.2											
Highway.....	873,728	82,188	30.0	9.4	2,104,729	91.3											
Bridge and culvert.....	672,641	48,880	21.4	7.3	1,215,056	90.2											
Railroad.....	14,430	4,800	2.1	33.3	231,200	63.2											

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 all materials distributed by kind	COST OF DESIGNATED MATERIALS			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 MATERIALS			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		
ARKANSAS—Continued						ARKANSAS—Continued							
<i>Heating and ventilating equipment</i>						<i>Electrical appliances and supplies</i>							
All classes.....	\$4,405,600	\$170,532	100.0	3.0	\$9,339,991	85.5	All classes.....	\$4,405,600	\$135,591	100.0	3.1	\$9,339,991	85.5
General contractors.....	\$3,365,586	15,443	9.1	.5	\$7,367,715	83.9	General contractors.....	\$3,402,540	15,610	11.5	.5	\$7,568,415	83.1
Building.....	\$1,702,675	15,043	8.8	.9	\$3,438,459	70.9	Building.....	\$1,800,035	15,610	11.5	.9	\$3,639,159	70.0
Building not specialized.....	1,398,442	12,800	7.5	.9	2,853,237	70.3	Building not specialized.....	1,505,402	13,592	10.0	.9	3,053,937	75.3
Residential building only.....	146,561	2,243	1.3	1.5	282,550	92.2	Residential building only.....	146,561	2,018	1.5	1.4	282,550	92.2
Bridge and culvert.....	672,641	400	.2	.1	1,215,050	99.2	Subcontractors.....	\$943,003	119,981	88.5	12.7	\$1,771,576	98.8
Subcontractors.....	\$943,003	155,089	90.9	16.4	\$1,771,576	98.8	Electrical.....	116,875	116,875	86.2	100.0	206,499	100.0
Heating and plumbing.....	550,489	155,089	90.9	28.2	982,318	99.2	Heating and plumbing.....	550,489	3,106	2.3	.6	982,318	99.2
Plumbing.....	550,489	155,089	90.9	28.2	982,318	98.8	Plumbing.....	550,489	3,106	2.3	.6	982,318	98.8
<i>Plumbing and gas-fitting equipment²</i>						<i>Wood piling and timber³</i>							
All classes.....	\$4,405,600	404,207	100.0	9.2	\$9,339,991	85.5	All classes.....	\$4,405,600	271,281	100.0	6.2	\$9,339,991	85.5
General contractors.....	\$3,365,586	23,413	5.8	.7	\$7,367,715	83.9	General contractors.....	\$3,365,586	271,281	100.0	8.1	\$7,367,715	83.9
Building.....	\$1,702,675	23,413	5.8	1.4	\$3,438,459	76.9	Building.....	672,641	271,281	100.0	40.3	1,215,050	99.2
Building not specialized.....	1,398,442	18,413	4.6	1.3	2,853,237	70.3	Bridge and culvert.....						
Residential building only.....	146,561	5,000	1.2	3.4	282,550	92.2							
Subcontractors.....	\$943,003	380,794	94.2	40.4	\$1,771,576	98.8							
Heating and plumbing.....	550,489	380,794	94.2	69.2	982,318	99.2							
Plumbing.....	550,489	380,794	94.2	69.2	982,318	98.8							

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. 202.
³ Includes cost of materials reported by operative builders who did not include the designated materials in their distributed lists.
⁴ Includes construction work reported by operative builders who did not include the designated materials in their distributed lists.
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 operative builders.
⁸ Less than one-tenth of 1 per cent.
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.

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 (fire-proofing)	Tile, facing, terra cotta, floor and wall	Concrete and cinder block	Cut stone, granite and marble	Cement	Lime	Plaster, etc.	Structural steel	Reinforcing steel	Cast iron, miscellaneous (excluding pipe)	Metal doors, windows, and trim
		Amount	Per cent of total													
ARKANSAS	\$7,156,335	\$4,405,600	61.6	\$501,456	\$308,503	\$25,600	\$44,297	\$30,393	\$69,381	\$321,147	\$27,567	\$70,842	\$134,933	\$226,232	\$13,340	\$28,800
Operative builders.....	170,960	106,960	62.6		11,100					9,600	1,000	2,400	450		150	
General contractors.....	\$5,652,984	3,355,586	59.4	467,174	291,143	25,600	27,797	30,393	64,881	500,048	26,107	57,757	134,483	220,732	13,190	28,800
Building.....	2,918,398	1,702,675	58.3	108,418	241,143	25,600	27,797	2,313	64,881	109,778	26,107	57,757	84,601	84,864	12,820	28,800
Building not specialized.....	2,606,165	1,398,442	53.7	82,110	157,189	22,975	24,297	1,000	59,781	99,403	22,161	53,709	74,421	79,681	12,820	20,854
Commercial building only.....	157,672	157,672	100.0	20,000	60,000	1,500	2,600		5,000	5,000	1,528		10,000	3,000		1,046
Residential building only.....	154,561	146,561	94.8	6,308	23,954	1,125	1,000		100	5,315	2,420	4,048	180	2,183		
Highway.....	1,527,303	873,728	57.2	271,620	50,000			28,000		356,796			11,800	82,188		
Bridge and culvert.....	822,890	672,641	81.7	42,732				80		66,671			38,082	48,880	370	
Street paving.....	129,746	85,920	66.2	34,422						51,507						
Dam and reservoir.....	43,413	6,183	14.2	5,932						16						
Railroad.....	14,430	14,430	100.0	4,050						5,280				4,800		
Subcontractors.....	1,382,391	943,063	70.8	34,282	4,200		16,500		4,500	21,499	450	10,685		7,500		
Concreting.....	49,386	49,386	100.0	20,152						17,899				7,200		
Electrical.....	116,875	116,875	100.0													
Heating and plumbing.....	\$828,730	550,489	66.4	900	4,200					600	150			300		
Plumbing.....	577,531	550,489	95.3	900	4,200					600	150			300		
Painting and decorating.....	19,528	19,528	100.0													
Plastering and lathing.....	32,045	32,045	100.0	10,680								10,685				
Roofing and sheet-metal work.....	\$225,307	140,690	66.4	1,800												
Roofing.....	180,307	134,690	74.7	1,800												
Roofing and sheet-metal combined.....	15,000	15,000	100.0													
Marble and tiling.....	60,520	25,050	41.4	750			16,500		4,500	3,000	300					

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 Sewer, gas, water, conduit, \$196,804.
³ Heating and piping, \$13,000; plumbing and heating combined, \$238,199.
⁴ Sheet-metal work \$30,000.
⁵ See footnote 3 of Table 9 on p. 202.
⁶ Includes the reported cost of riprap, rubble, etc.; ornamental metal work; waterproofing materials; screws, shades, awnings, etc.; elevators, dumb-waiters, etc.; pipe; cast iron, sheet and tube steel, etc.; wire cable, guards, and fences, freight, hauling, or trucking to job; and miscellaneous, n. e. s. For total cost of these items see Table 9.

CONSTRUCTION—ARKANSAS

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

CLASSIFICATION OF ESTABLISHMENTS	Metal and wire lath and furring	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.	Bituminous paving materials	Wood piling and timber	Ready mixed concrete	Miscellaneous
ARKANSAS	\$13,900	\$505,186	\$26,748	\$175,368	\$27,359	\$74,014	\$82,549	\$191,498	\$44,039	\$170,532	\$404,207	\$135,591	\$35,114	\$10,289	\$271,281	\$17,800	\$117,673
Operative builders.....	450	25,250	7,500	30,000	1,000	4,500	3,000	7,500	7,500	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000
General contractors.....	13,450	477,070	8,568	145,368	21,359	69,396	58,621	57,608	36,530	15,443	23,413	12,610	30,664	2,818	271,281	17,800	115,473
Building.....	13,450	286,936	8,568	145,098	21,359	53,900	55,061	57,508	36,530	15,043	23,413	12,610	4,200	2,818	17,800	76,212	76,212
Building not specialized.....	12,776	203,403	4,024	116,591	20,684	47,641	48,572	55,476	35,530	12,800	18,413	10,502	3,875	2,818	17,800	73,705	73,705
Commercial building only.....	774	34,500	12,000	12,000	700	700	700	700	700	700	700	700	700	700	700	700	700
Residential building only.....	14,211	49,033	4,544	10,477	675	5,619	6,480	2,092	1,000	2,243	5,000	2,018	334	2,818	2,818	2,417	2,417
Highway.....	175,623	14,211	300	300	400	15,036	3,500	40	400	400	400	400	2,100	18	271,281	7,459	7,459
Bridge and culvert.....	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
Dam and reservoir.....	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
Railroad.....	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
Subcontractors.....	2,866	10,080	10,080	10,080	5,000	118	20,928	133,800	165,080	380,794	119,081	4,450	7,451	451	2,200	1,200	1,200
Concreting.....	2,360	2,360	2,360	2,360	2,360	2,360	2,360	2,360	2,360	2,360	2,360	2,360	2,360	2,360	2,360	2,360	2,360
Electrical.....	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
Heating and plumbing.....	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
Plumbing.....	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
Painting and decorating.....	10,080	10,080	10,080	10,080	10,080	10,080	10,080	10,080	10,080	10,080	10,080	10,080	10,080	10,080	10,080	10,080	10,080
Plastering and lathing.....	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Roofing and sheet-metal work.....	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Roofing.....	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Roofing and sheet metal combined.....	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000

See footnotes for Table 11, p. 204.

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	ARKANSAS 1930 population, 1,354,482							
	Known contracting establishments				Volume of business reported			
	Total number	Inactive in 1929	Active in 1929		Number of reporting establishments	Per cent of active	Amount	Average per establishment
		Number	Per cent					
Total contractors canvassed (less than \$25,000).....	520	13	507					
Total contractors, type of work unknown.....	3		3					
Total general and subcontractors classified.....	517	13	504	100.0				
General contractors classified.....	177	7	170	33.7	55	32.4	\$580,179	\$10,540
Building.....	167	5	152	30.2	51	33.6	528,827	10,369
Highway.....	13	2	11	2.2	2	18.2	27,502	13,751
Bridge and culvert.....	3		3	.6	1	33.3	20,000	20,000
Sewer, gas, water, conduit.....	3		3	.6	1	33.3	3,850	3,850
Foundation.....	1		1	.2				
Subcontractors classified.....	340	6	334	66.3	111	33.2	620,255	5,588
Carpentering.....	58	3	55	10.0	21	38.2	95,302	4,538
Concreting.....	21		20	4.0	12	60.0	74,688	6,216
Electrical.....	48		48	9.5	13	27.1	53,000	4,146
Elevators.....	1		1	.2				
Heating, ventilating, and piping.....	14		14	2.8	5	35.7	27,500	5,500
Masonry.....	9	1	8	1.6	4	50.0	28,800	7,200
Painting and decorating.....	46		46	9.1	17	37.0	71,428	4,202
Glass and glazing.....	1		1	.2				
Plastering.....	13		13	2.6	2	15.4	4,500	2,250
Plumbing and heating.....	98		98	19.4	27	27.6	198,710	7,360
Sheet metal and roofing.....	17		17	3.4	6	35.3	28,731	4,788
Steel erection.....	2		2	.4	1	50.0	10,315	10,315
Paving.....	1	1						
Marble and tiling.....	6		6	1.2	2	33.3	24,975	12,488
Wrecking.....	2		2	.4	1	50.0	1,500	1,500
Excavating and grading.....	1		1	.2				
Ornamental ironwork.....	2		2	.4				

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
ARKANSAS											
Total general and subcontractors.....	166	54	25	28	12	13	4	9	6	8	7
General contractors.....	55	9	5	11	3	7	1	6	3	5	5
Subcontractors.....	111	45	20	17	9	6	3	3	3	3	2

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CONSTRUCTION—CALIFORNIA

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
CALIFORNIA	2,758	Dolls. 448,817	Dolls. 345,255	Dolls. 103,064	Dolls. 112,888	Dolls. 91,048	Dolls. 151,122	CALIFORNIA—Contd.							
<i>Counties and principal cities</i>								<i>Classification of establishments—Continued</i>							
Counties:								Subcontractors—Continued.							
Alameda.....	210	25,920	19,046	6,880	5,787	5,198	0,207	Glass and glazing.....	26	3,105	238	2,867	85	450	1,024
Butte.....	5	283	262	21	57	70	92	Plastering and lathing.....	91	8,347	525	7,822	610	8,565	2,081
Contra Costa.....	26	1,574	1,157	417	350	411	509	Roofing and sheet-metal work.....	130	10,129	1,767	8,372	175	2,306	5,164
Fresno.....	30	2,496	1,320	1,176	313	562	1,000	Roofing.....	82	6,270	1,008	4,697	41	1,259	8,407
Humboldt.....	7	894	814	80	68	200	234	Sheet-metal work.....	48	3,859	154	3,705	134	1,048	1,757
Imperial.....	7	301	183	118	51	0	100	Steel erection.....	28	14,547	8,052	5,505	467	2,230	9,459
Kern.....	25	2,383	1,810	573	735	456	683	Stone work.....	8	855	78	777		270	370
Los Angeles.....	1,823	224,047	173,516	50,531	53,797	46,773	78,280	Marble and tiling.....	02	10,250	1,731	8,538	245	2,670	4,563
Marin.....	0	513	400	113	48	116	217	Wrecking.....	4	223	4	219	1	94	
Merced.....	0	313	262	51	51	00	130	Excavating.....	34	4,805	1,058	2,847	214	1,812	135
Monterey.....	37	3,028	2,828	1,100	725	906	160	Ornamental iron.....	27	2,007	200	1,741	24	585	824
Napa.....	0	211	130	75	20	50	72	Grading.....	5	682	25	657		142	20
Orange.....	00	4,511	3,472	1,039	804	915	1,038	Street paving and highway.....	0	780	230	550	31	218	241
Placer.....	4	357	324	33	32	09	155	Soundproofing.....	3	502	390	100	15	71	253
Riverside.....	24	2,228	1,875	353	363	404	953	Metal work, n. o. s.....	12	1,585	937	648	10	267	908
Sacramento.....	80	9,120	5,906	3,133	1,311	2,242	3,511	Flooring, n. o. s.....	20	1,289	285	1,004	7	314	647
San Bernardino.....	36	3,208	2,711	497	545	771	1,149	Other classes ²	8	1,073	594	470	8	232	501
San Diego.....	120	18,789	15,146	3,043	2,869	3,356	7,530	<i>Size of business groups</i>							
San Francisco.....	399	117,004	90,196	26,898	38,290	22,474	33,888	General contractors ¹	1,467	311,424	308,015	3,408	100,592	55,736	85,120
San Joaquin.....	33	3,013	3,035	578	490	693	1,383	\$25,000 to \$49,999.....	410	15,410	15,231	185	6,270	2,635	4,140
San Luis Obispo.....	11	630	425	214	78	123	208	\$50,000 to \$99,999.....	419	29,773	29,412	361	12,166	5,099	7,728
San Mateo.....	51	4,244	3,155	1,059	1,007	808	1,180	\$100,000 to \$199,999.....	300	41,848	41,345	503	14,343	7,802	11,461
Santa Barbara.....	05	7,512	5,038	1,874	1,757	1,837	2,305	\$200,000 to \$499,999.....	226	70,537	69,230	1,307	21,875	14,359	19,313
Santa Clara.....	72	5,654	4,503	1,151	1,341	1,325	1,741	\$500,000 to \$999,999.....	71	40,310	48,460	856	12,113	9,143	15,847
Santa Cruz.....	18	1,560	1,455	384	218	404	648	\$1,000,000 and over.....	41	104,632	104,330	100	42,810	16,698	26,632
Sonoma.....	11	809	670	133	117	180	380	Building contractors¹	1,087	190,499	199,307	192	99,087	30,700	44,558
Stanislaus.....	15	932	692	240	189	179	411	\$25,000 to \$49,999.....	353	13,293	13,246	52	6,095	1,992	3,533
Tulare.....	13	1,293	1,157	136	100	229	542	\$50,000 to \$99,999.....	331	23,575	23,532	43	11,644	3,537	5,561
Ventura.....	31	2,031	1,714	367	392	506	806	\$100,000 to \$199,999.....	213	20,164	20,135	29	13,672	4,507	7,093
Yolo.....	3	120	27	99	4	31	63	\$200,000 to \$499,999.....	134	40,585	40,519	60	19,150	7,485	9,343
Yuba.....	4	330	234	52	23	103	63	\$500,000 to \$999,999.....	31	21,263	21,260	2	9,304	3,420	5,472
Other counties¹	10	1,027	977	50	154	257	434	\$1,000,000 and over.....	25	71,610	71,610		39,222	9,699	13,586
Principal cities:²								Subcontractors.....	1,280	136,803	37,238	99,655	3,294	35,311	66,002
Long Beach.....	110	10,997	8,354	2,643	1,981	2,247	4,484	\$25,000 to \$49,999.....	542	19,709	3,062	15,837	222	5,732	8,646
Los Angeles.....	806	171,429	132,437	38,991	39,955	35,036	60,606	\$50,000 to \$99,999.....	419	29,219	6,128	23,091	452	8,423	12,944
Oakland.....	147	19,330	14,413	4,924	4,107	3,921	7,305	\$100,000 to \$199,999.....	199	27,507	5,821	21,686	722	7,183	13,049
San Diego.....	103	18,062	14,631	3,431	2,748	3,193	7,230	\$200,000 to \$499,999.....	102	29,817	9,729	20,088	732	7,961	13,496
San Francisco.....	399	117,094	90,196	26,898	38,290	22,474	33,888	\$500,000 to \$999,999.....	22	13,720	3,395	10,324	1,084	3,419	6,213
Classification of establishments								\$1,000,000 and over.....	5	16,820	8,203	8,623	82	2,540	11,640
Operative builders.....	74	9,344	9,344		6,817	634	1,163	LONG BEACH	110	10,997	8,354	2,643	1,981	2,247	4,484
General contractors.....	1,393	302,030	298,671	3,408	102,775	55,103	83,957	<i>Classification of establishments</i>							
Building.....	1,013	190,155	189,963	192	92,270	30,126	43,395	Operative builders.....	3	230	230		170	23	25
Building not specialized.....	667	155,018	154,899	129	74,919	24,976	35,081	General contractors.....	58	7,045	7,026	19	1,778	1,224	2,673
Commercial building only.....	53	8,092	8,031	61	3,674	1,549	1,799	Building.....	48	4,585	4,573	12	1,599	771	1,548
Manufacturing building only.....	9	4,085	4,085		1,429	594	1,200	Building not specialized.....	20	3,392	3,382	10	977	613	1,261
Residential building only.....	284	22,960	22,958	2	12,251	3,007	5,225	Commercial building only.....	3	136	136		58	25	39
Highway.....	87	25,733	24,870	863	2,556	5,151	9,643	Residential building only.....	19	1,050	1,054	2	564	133	228
Bridge and culvert.....	26	9,913	9,755	158	1,523	2,844	3,501	Street paving and highway.....	0	1,874	1,873	1	161	290	363
Grading.....	33	5,309	5,199	110	349	1,465	290	Other classes ²	4	586	580	6	18	157	261
Street paving.....	108	42,627	41,571	1,056	4,158	8,308	17,007	Subcontractors.....	49	3,712	1,068	2,624	33	1,000	1,786
Sewer, gas, water, conduit.....	46	6,255	6,009	246	361	1,425	2,975	Carpentering and wood flooring.....	4	272	9	263		62	143
Dam and reservoir.....	23	7,573	7,547	26	730	1,906	2,470	Electrical.....	7	653	331	322		134	354
Waterworks.....	6	1,312	1,302	10	163	441	309	Heating and plumbing.....	13	930	450	480	1	239	483
Dredging, river, harbor, etc.....	19	7,558	7,240	318	508	1,777	2,159	Heating and piping.....	4	372	309	63		116	157
Railroad.....	6	1,291	1,243	48	43	352	291	Plumbing.....	9	558	141	417	1	122	326
Foundation.....	4	259	252	7	12	72	125	Masonry and concrete.....	4	298	69	229	14	100	158
Central station, light and power plant.....	12	2,810	2,498	312	82	608	1,615	Painting and decorating.....	4	261	57	204		80	132
Oil and natural gas pipeline.....	6	1,007	993	14	10	504	51	Plastering and lathing.....	3	195	84	111	18	90	53
Other classes ²	4	278	227	51	10	93	58	Roofing and sheet-metal work.....	0	350	88	271		84	199
Subcontractors.....	1,280	136,893	37,238	99,655	3,294	35,311	66,002	Marble and tiling.....	4	444		444		131	219
Carpentering and wood flooring.....	53	4,455	782	3,673	202	1,194	1,996	Other classes ¹⁰	4	300		300		75	46
Concrete.....	40	2,914	840	2,074	89	943	1,133	<i>Size of business groups</i>							
Electrical.....	105	15,427	5,030	10,391	72	3,698	7,830	General contractors ¹	61	7,285	7,206	19	1,948	1,247	2,698
Elevator construction.....	9	5,289	85	5,201	146	776	3,394	\$25,000 to \$49,999.....	23	834	831	3	388	133	240
Heating and plumbing.....	340	37,079	9,831	27,245	786	8,371	20,221	\$50,000 to \$99,999.....	18	1,229	1,219	10	566	169	270
Heating and piping.....	69	7,740	3,306	4,434	334	1,641	3,375	\$100,000 to \$199,999.....	10	1,354	1,348	6	439	248	491
Pipe covering.....	7	797	123	674		248	314	\$200,000 to \$499,999.....	7	2,012	2,012		401	446	868
Plumbing.....	232	23,709	4,327	19,382	355	5,353	13,345	\$500,000 to \$999,999.....	3	1,855	1,855		174	251	828
Plumbing and heating combined.....	23	3,179	694	2,545	70	774	1,771	\$1,000,000 and over.....	21	7,285	7,206	19	1,948	1,24	

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
LONG BEACH—Contd.							LOS ANGELES—Contd.								
<i>Size of business groups—Continued</i>							<i>Size of business groups—Continued</i>								
Building contractors ⁶	51	4,824	4,812	12	1,709	794	1,573	Subcontractors.....	392	56,599	18,772	37,827	1,449	13,858	28,212
\$25,000 to \$49,999.....	22	806	804	2	368	129	220	\$25,000 to \$49,999.....	131	4,094	916	3,778	112	1,880	2,033
\$50,000 to \$99,999.....	16	1,101	1,091	10	569	146	209	\$50,000 to \$99,999.....	133	9,462	1,562	7,900	146	2,704	4,008
\$100,000 to \$199,999.....	8	1,046	1,040	-----	437	171	342	\$100,000 to \$199,999.....	68	9,066	1,863	7,803	204	2,820	4,573
\$200,000 to \$499,999.....	4	1,306	1,306	-----	385	275	502	\$200,000 to \$499,999.....	44	13,099	4,333	8,766	238	3,234	6,338
\$500,000 to \$999,999.....	1	595	595	-----	13	73	300	\$500,000 to \$999,999.....	13	7,920	1,932	5,997	577	2,287	3,027
\$1,000,000 and over.....	-----	-----	-----	-----	-----	-----	-----	\$1,000,000 and over.....	8	11,740	8,165	3,584	82	1,729	8,233
Subcontractors.....	49	3,712	1,088	2,624	33	1,000	1,786	OAKLAND.....	147	10,336	14,413	4,924	4,107	3,921	7,305
\$25,000 to \$49,999.....	21	801	73	728	18	207	444	<i>Classification of establishments</i>							
\$50,000 to \$99,999.....	17	1,173	400	713	18	343	538	Operative builders.....	0	476	476	-----	314	40	82
\$100,000 to \$199,999.....	8	991	326	665	15	239	484	General contractors.....	63	10,936	10,752	184	3,287	1,008	3,061
\$200,000 to \$499,999.....	3	747	229	518	-----	210	321	Building.....	46	5,381	5,381	-----	2,772	845	1,240
\$500,000 to \$999,999.....	-----	-----	-----	-----	-----	-----	-----	Building not specialized.....	27	3,588	3,588	-----	1,821	501	829
\$1,000,000 and over.....	-----	-----	-----	-----	-----	-----	-----	Commercial building only.....	5	789	789	-----	348	138	211
LOS ANGELES.....	806	171,429	132,437	38,991	39,955	35,036	60,606	Residential building only.....	14	1,005	1,005	-----	603	116	200
Operative builders.....	31	3,791	3,791	-----	2,707	230	659	Highway.....	5	1,107	1,107	-----	44	200	407
General contractors.....	393	111,039	109,874	1,165	35,799	20,948	31,736	Street paving.....	6	3,208	3,078	180	156	598	1,466
Building.....	281	69,779	69,735	45	32,770	11,795	15,438	Sewer, gas, water, conduit.....	3	632	578	54	46	105	292
Building not specialized.....	176	50,074	50,029	45	25,732	9,909	12,129	Other classes ¹³	3	607	607	-----	269	70	190
Commercial building only.....	26	5,160	5,160	-----	2,422	953	1,161	Subcontractors.....	78	7,926	3,185	4,740	506	1,974	3,562
Manufacturing building only.....	3	1,602	1,602	-----	906	197	342	Carpentering and wood flooring.....	4	315	125	190	16	93	141
Residential building only.....	70	6,944	6,944	-----	3,680	736	1,806	Electrical.....	6	443	48	395	8	99	222
Highway.....	12	4,987	4,987	-----	857	879	2,025	Heating and plumbing.....	24	2,583	1,187	1,396	218	542	1,330
Bridge, culvert, and railroad.....	8	2,297	2,297	-----	98	630	785	Heating and pipe covering.....	11	1,170	834	342	101	232	605
Grading.....	4	470	470	-----	12	92	11	Plumbing.....	13	1,407	353	1,054	117	310	734
Street paving.....	35	20,232	19,486	746	2,205	4,096	8,246	Masonry and concreting.....	6	248	19	227	2	75	133
Sewer, gas, water, conduit.....	20	3,467	3,412	55	128	753	1,772	Painting and decorating ⁹	8	327	91	230	2	141	92
Dam and reservoir.....	3	4,712	4,690	22	39	1,895	1,996	Glass and glazing.....	4	461	93	368	-----	128	213
Waterworks.....	3	237	229	2	61	73	73	Plastering and lathing.....	5	247	-----	247	-----	95	117
Dredging, river, harbor, etc.....	5	2,607	-----	-----	150	736	837	Roofing and sheet-metal work.....	11	697	233	464	0	101	355
Central station, light, and power plant.....	4	1,650	1,375	281	-----	285	1,101	Roofing.....	7	455	185	270	1	90	236
Oil and natural gas pipe line.....	3	601	587	14	4	266	51	Sheet-metal work.....	4	241	48	193	5	71	119
Subcontractors.....	392	50,599	18,772	37,827	1,449	13,858	28,212	Steel erection.....	3	1,113	918	195	213	211	563
Carpentering and wood flooring.....	16	2,054	338	1,716	104	571	851	Marble and tiling.....	4	701	272	429	-----	248	313
Concreting and stone work.....	14	1,671	623	1,048	69	503	707	Other classes ¹⁴	3	792	197	595	41	180	68
Electrical.....	50	5,842	2,202	3,640	54	1,393	3,140	<i>Size of business groups</i>							
Elevator construction.....	4	406	19	387	-----	80	230	General contractors ⁶	69	11,412	11,228	184	3,001	1,048	3,743
Heating and plumbing.....	86	12,984	2,883	10,101	513	2,805	7,317	\$25,000 to \$49,999.....	12	434	429	5	219	51	99
Heating and piping ¹¹	22	2,387	313	2,074	144	540	1,194	\$50,000 to \$99,999.....	23	1,543	1,531	12	684	274	379
Plumbing.....	60	9,992	2,110	7,876	169	2,120	5,827	\$100,000 to \$199,999.....	19	2,047	2,611	36	1,110	429	694
Automatic sprinkler systems.....	4	605	454	151	-----	145	266	\$200,000 to \$499,999.....	11	3,588	3,457	131	1,463	687	999
Masonry.....	15	1,823	813	1,510	17	643	866	\$500,000 to \$999,999.....	2	1,073	1,073	-----	13	289	536
Painting and decorating.....	35	2,908	714	2,194	39	1,335	711	\$1,000,000 and over.....	2	2,126	2,126	-----	122	318	1,036
Glass and glazing.....	11	1,685	91	1,594	35	158	1,134	Building contractors ⁶	52	5,857	5,857	-----	3,080	885	1,322
Plastering and lathing.....	32	3,512	204	3,308	284	1,478	1,078	\$25,000 to \$49,999.....	10	363	363	-----	193	45	76
Roofing and sheet-metal work.....	39	4,140	800	3,340	120	804	2,203	\$50,000 to \$99,999.....	20	1,338	1,338	-----	670	222	310
Roofing.....	26	2,857	789	2,068	6	542	1,500	\$100,000 to \$199,999.....	15	2,007	2,007	-----	1,103	244	423
Sheet-metal work.....	13	1,283	11	1,272	123	262	613	\$200,000 to \$499,999.....	7	2,150	2,150	-----	1,120	374	513
Steel erection.....	4	8,623	6,973	1,650	-----	1,025	6,326	\$500,000 to \$999,999.....	-----	-----	-----	-----	-----	-----	-----
Marble and tiling.....	33	4,340	882	3,458	186	1,032	1,841	\$1,000,000 and over.....	-----	-----	-----	-----	-----	-----	-----
Excavating and wrecking.....	17	2,987	1,024	1,963	140	1,211	49	Subcontractors.....	78	7,926	3,185	4,740	506	1,974	3,562
Ornamental iron.....	9	657	50	607	12	220	232	\$25,000 to \$49,999.....	30	1,067	237	830	12	316	409
Street paving.....	3	623	236	387	31	146	219	\$50,000 to \$99,999.....	28	1,999	632	1,407	29	506	968
Metal work, n. e. s.....	8	741	205	536	12	154	346	\$100,000 to \$199,999.....	11	1,088	527	1,141	89	410	839
Flooring, n. e. s.....	10	740	216	524	7	194	403	\$200,000 to \$499,999.....	8	2,361	1,059	1,302	163	613	835
Other classes ¹²	6	861	398	464	17	134	550	\$500,000 to \$999,999.....	1	828	828	-----	213	123	420
<i>Size of business groups</i>							<i>Size of business groups</i>								
General contractors ⁶	414	114,830	113,065	1,165	38,500	21,178	32,394	SAN DIEGO.....	103	18,082	14,031	3,431	2,748	3,193	7,236
\$25,000 to \$49,999.....	99	3,097	3,644	53	1,855	498	778	General contractors ⁶	57	14,354	14,010	344	2,703	2,215	5,554
\$50,000 to \$99,999.....	105	7,771	7,712	59	3,615	1,138	1,812	Building.....	38	4,262	4,248	14	1,908	690	1,093
\$100,000 to \$199,999.....	74	10,513	10,470	43	4,203	1,634	2,801	Building not specialized.....	27	3,535	3,521	14	1,674	580	963
\$200,000 to \$499,999.....	83	26,556	25,967	589	8,750	5,096	7,275	Residential building only.....	11	727	727	-----	394	111	130
\$500,000 to \$999,999.....	31	21,346	21,121	225	4,901	4,221	7,568	Highway.....	4	3,250	2,940	310	173	353	1,971
\$1,000,000 and over.....	22	44,948	44,752	190	15,182	8,591	12,160	Grading.....	3	697	697	-----	139	-----	-----
Building contractors ⁶	312	73,571	73,526	45	35,477	12,026	10,097	Street paving.....	8	5,688	5,681	7	542	932	2,264
\$25,000 to \$49,999.....	87	3,230	3,231	5	1,803	864	658	Other classes ¹⁰	4	458	445	13	16	96	226
\$50,000 to \$99,999.....	82	6,094	6,024	10	3,377	742	1,180	Subcontractors.....	46	3,708	621	3,087	45	979	1,682
\$100,000 to \$199,999.....	58	8,077	7,985	22	4,047	1,116	1,881	Concreting and masonry.....	4	200	40	250	3	97	129
\$200,000 to \$499,999.....	53	16,204	16,208	0	8,078	2,783	3,472	Electrical.....	9	429	100	329	-----	114	198
\$500,000 to \$999,999.....	17	11,333	11,331	2	4,195	2,062	3,316								
\$1,000,000 and over.....	15	28,687	28,687	-----	13,977	4,968	5,590								

See footnotes at end of table.

CONSTRUCTION—CALIFORNIA

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					
SAN DIEGO—Continued						SAN FRANCISCO—Contd.														
Subcontractors—Continued.						General contractors—Contd.														
Heating and plumbing.....	10	Dolls. 1,009	Dolls. 293	Dolls. 776	Dolls. 223	Dolls. 542	General contractors—Contd.													
Plumbing.....	6	655		655	133	353	Central station, light and power plant.....	4	Dolls. 547	Dolls. 547	Dolls. 80	Dolls. 123	Dolls. 272	Dolls. 123	Dolls. 272					
Plumbing and heating combined.....	4	414	293	121	89	189	Other classes ¹²	3	1,500	1,500	552	265	601	552	265					
Painting and decorating ¹³	4	204	37	167	75	70	Subcontractors.....	234	33,489	7,270	26,213	933	9,066	15,848	933	9,066	15,848			
Roofing and sheet-metal work.....	6	360	61	299	91	170	Carpeting and wood-flooring.....	10	606	227	439	60	132	339	60	132	339			
Steel erection ¹⁴	4	425		425	110	210	Concreting and stone work.....	8	718	62	656	15	293	245	62	656	15	293	245	
Marble, tiling, and plastering.....	6	742	75	667	42	220	Electrical.....	31	2,925	853	2,072	5	759	1,424	853	2,072	5	759	1,424	
Other classes ¹⁵	3	188	15	173	48	80	Elevator construction.....	4	4,828	70	4,758	146	679	3,144	70	4,758	146	679	3,144	
Size of business groups						Size of business groups														
General contractors ¹⁶	57	14,354	14,010	344	2,703	2,215	5,554	Heating and plumbing.....	50	8,229	2,504	5,725	159	2,047	4,308	2,504	5,725	159	2,047	4,308
\$25,000 to \$49,999.....	15	504	543	21	261	78	150	Roofing and piping.....	20	2,857	919	1,938	96	699	1,451	919	1,938	96	699	1,451
\$50,000 to \$99,999.....	11	790	790		259	146	227	Pipe covering.....	4	524	124	400		155	298	124	400		155	298
\$100,000 to \$199,999.....	10	2,170	2,179		822	304	571	Plumbing.....	22	2,888	474	2,414	39	745	1,521	474	2,414	39	745	1,521
\$200,000 to \$499,999.....	7	2,430	2,423	16	641	435	993	Plumbing and heating combined.....	0	000	55	911	8	247	543	55	911	8	247	543
\$500,000 to \$999,999.....	5	3,633	3,326	307	280	594	1,176	Automatic sprinkler systems.....	4	904	932	62	16	200	685	932	62	16	200	685
\$1,000,000 and over.....	3	4,749	4,740		440	568	2,437	Masonry.....	11	900	206	784	41	338	400	206	784	41	338	400
Building contractors¹⁷.....	38	4,202	4,248	14	1,068	690	1,093	Painting and decorating ¹⁸	24	1,980	654	1,326	30	1,032	394	654	1,326	30	1,032	394
\$25,000 to \$49,999.....	13	482	468	14	246	63	110	Glass and glazing.....	6	639	54	585		112	386	54	585		112	386
\$50,000 to \$99,999.....	8	599	560		259	90	127	Plastering and lathing.....	10	2,311	154	2,157	192	1,041	720	154	2,157	192	1,041	720
\$100,000 to \$199,999.....	13	1,734	1,734		822	256	304	Roofing and sheet-metal work.....	14	1,024	152	1,472	25	478	722	152	1,472	25	478	722
\$200,000 to \$499,999.....	4	1,477	1,477		641	273	462	Roofing.....	7	488	71	417	23	99	242	71	417	23	99	242
\$500,000 to \$999,999.....								Sheet-metal work.....	7	1,135	81	1,054	2	379	480	81	1,054	2	379	480
\$1,000,000 and over.....								Steel erection.....	12	3,031	582	2,449	188	697	1,473	582	2,449	188	697	1,473
Subcontractors.....	40	3,708	621	3,087	45	970	1,632	Marble and tiling.....	20	2,015	418	2,497	57	823	1,294	418	2,497	57	823	1,294
\$25,000 to \$49,999.....	19	700	103	597		193	275	Excavating and wrecking.....	5	302		302		141	3				302	
\$50,000 to \$99,999.....	15	1,071	240	831	3	258	541	Ornamental iron ¹⁹	10	1,432	769	673	6	312	737	769	673	6	312	737
\$100,000 to \$199,999.....	9	1,105	31	1,134	2	283	593	Other classes ²¹	4	803	580	223		178	259	580	223		178	259
\$200,000 to \$499,999.....	3	771	242	529	40	235	301	Size of business groups												
\$500,000 to \$999,999.....								General contractors ¹⁶	105	83,605	82,920	685	37,357	13,408	18,040	82,920	685	37,357	13,408	18,040
\$1,000,000 and over.....								\$25,000 to \$49,999.....	26	999	999		448	179	179	999		448	179	179
SAN FRANCISCO.....	399	117,094	90,196	26,897	33,290	22,474	33,888	\$50,000 to \$99,999.....	36	2,555	2,530	25	977	439	702	2,530	25	977	439	702
Operative builders.....	13	3,073	3,073		2,300	203	246	\$100,000 to \$199,999.....	38	5,482	5,480	2	1,762	1,238	1,195	5,480	2	1,762	1,238	1,195
General contractors.....	152	80,532	70,847	685	35,051	13,200	17,703	\$200,000 to \$499,999.....	37	12,553	12,003	350	3,610	2,719	2,798	12,003	350	3,610	2,719	2,798
Building.....	98	56,577	56,513	64	31,675	7,374	10,776	\$500,000 to \$999,999.....	18	13,550	13,542	308	4,921	2,230	3,447	13,542	308	4,921	2,230	3,447
Building not specialized.....	65	52,357	52,353	4	20,762	6,512	9,924	\$1,000,000 and over.....	10	48,367	48,367		25,639	6,548	9,719	48,367		25,639	6,548	9,719
Commercial building only.....	9	1,356	1,293	63	500	319	240	Building contractors¹⁷.....	111	59,650	59,586	64	33,081	7,577	11,022	59,586	64	33,081	7,577	11,022
Manufacturing building only.....	3	453	453		98	143	134	\$25,000 to \$49,999.....	21	834	834		422	136	161	834		422	136	161
Residential building only.....	21	2,412	2,412		1,249	400	478	\$50,000 to \$99,999.....	20	2,021	2,017	4	950	361	490	2,017	4	950	361	490
Highway.....	8	3,330	3,130	200	754	597	962	\$100,000 to \$199,999.....	20	3,682	3,682		1,702	700	764	3,682		1,702	700	764
Bridge, culvert, and railroad.....	5	6,871	6,796	75	1,362	1,089	2,140	\$200,000 to \$499,999.....	19	6,127	6,067	60	2,084	1,222	1,154	6,067	60	2,084	1,222	1,154
Grading.....	8	2,010	1,980	21	86	675	90	\$500,000 to \$999,999.....	8	6,304	6,304		3,060	774	1,050	6,304		3,060	774	1,050
Street paving.....	12	4,254	4,254		270	805	1,625	\$1,000,000 and over.....	6	40,683	40,683		24,257	4,384	7,407	40,683		24,257	4,384	7,407
Waterworks.....	3	1,081	1,074	7	157	390	236	Subcontractors.....	234	33,489	7,270	26,213	933	9,066	15,848	7,270	26,213	933	9,066	15,848
Dredging, river, harbor, etc. ¹⁸	11	4,356	4,038	318	100	987	1,086	\$25,000 to \$49,999.....	62	2,282	522	1,760	30	804	815	522	1,760	30	804	815

¹ Includes Calaveras, Del Norte, Glenn, Kings, Lake, Madera, Mendocino, Plumas, San Benito, Shasta, Solano, Sutter, 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 levee; air transport work; and telephone line and system.

⁴ Includes automatic temperature control.

⁵ Includes bridge and culvert; sewer, gas, water, conduit; waterworks; dredging, river, harbor, etc.; power plant; and rental of equipment, trucking, etc.

⁶ Includes operative builders.

⁷ Includes bridge and culvert; dredging, river, harbor, etc.; and central station, light and power plant.

⁸ Includes plumbing and heating combined.

⁹ Includes flooring, n. e. s.

¹⁰ Includes excavating; and ornamental iron.

¹¹ Includes pipe covering; and plumbing and heating combined.

¹² Includes sewer, gas, water, conduit; waterworks; soundproofing; and power plant.

¹³ Includes bridge and culvert; and dredging, river, harbor, etc.

¹⁴ Includes excavating; ornamental iron; and grading.

¹⁵ Includes bridge and culvert; sewer, gas, water, conduit; and railroad.

¹⁶ Includes ornamental iron.

¹⁷ Includes glass and glazing; excavating; and sewer, gas, water, conduit.

¹⁸ Includes levee.

¹⁹ Includes dam and reservoir; and foundation.

²⁰ Includes metal work, n. e. s.

²¹ Includes grading; dredging, river, harbor, etc.; soundproofing; and rental of equipment, trucking, etc.

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
CALIFORNIA		<i>Dollars</i>		<i>Dollars</i>		<i>Dollars</i>	CALIFORNIA—Continued		<i>Dollars</i>		<i>Dollars</i>		<i>Dollars</i>
All construction business.....	2,756	448,317,111	1,467	311,423,759	1,289	136,893,352	All business under subcontract—Continued.						
Distribution not reported.....	189	19,840,852	48	8,183,421	141	11,657,431	Distributed by class—Contd.						
Distributed by class of ownership.....							Roofing and sheet-metal work.....	82	3,178,018	1	(?)	81	(?)
Private.....	2,507	428,476,259	1,419	303,240,338	1,148	125,235,921	Roofing.....	99	4,293,120	1	(?)	99	(?)
Quasi public or community.....	306	17,211,834	143	11,790,511	253	5,421,323	Sheet-metal work.....	2	3,883,498			2	3,883,498
Public.....	899	118,462,514	502	105,046,634	397	13,415,880	Roofing and sheet metal combined.....	23	4,472,081	1		23	
Distribution not reported.....	76	5,175,030	35	3,692,378	41	1,482,658	Steel erection.....	15	781,551	1	12,645	14	6,927,278
Distributed by class of public ownership.....							Stonework.....	35	1,085,591	1		32	
Federal.....	823	113,287,478	467	101,354,256	356	11,933,222	Ornamental iron.....	12	248,150	3	4,210	9	243,946
Federal.....	128	6,184,772	59	4,943,429	69	1,241,843	Excavating.....	68	3,579,958	29	568,706	39	3,098,252
State.....	240	21,525,167	141	19,154,700	99	2,370,401	Marble and tiling.....	98	8,877,090			98	8,877,090
County or township.....	375	31,266,542	214	23,109,750	161	3,090,792	Highway.....	10	823,149	7		3	
Municipal.....	499	54,310,997	278	49,086,311	221	5,224,686	Grading.....	6	737,800	2	804,421	4	834,007
All business under general contract or directly for owners.....	1,023	345,253,413	1,463	308,015,271	460	37,238,142	Bridge and culvert.....	2	78,439	1		1	
Distribution not reported.....	16	1,570,101	9	1,100,743	7	469,358	Railroad.....	13	1,130,518	2	661,400	5	469,028
Distributed by class.....							Street paving.....	14	327,015	10		4	
Building.....	1,551	220,016,294	1,131	198,768,288	429	27,248,006	Dewar, gas, water, conduit.....	2	150,200	1	290,997	1	180,818
Distribution not reported.....	84	7,860,826	50	5,761,946	34	2,104,879	Dam and reservoir.....	2	150,200	1		1	
Distributed by class.....							Waterworks.....	6	105,189	6	105,189	3	120,183
Commercial.....	1,467	218,149,469	1,081	193,000,342	386	25,143,127	Dredging, river, harbor, etc.....	3	120,188			10	737,666
Educational.....	698	68,691,644	509	62,187,071	184	6,434,573	Soundproofing.....	10	737,666			4	248,077
Hotel.....	158	14,360,305	86	13,543,927	72	816,378	Metal work, n. e. s.....	7	200,812	5	(?)	18	798,577
Hospital and institutional.....	134	0,176,545	73	5,626,005	61	548,940	Rental of equipment, trucking, etc.....	18	798,577			4	332,354
Manufacturing.....	180	20,628,294	104	16,410,390	82	4,117,904	Central station, light and power plant.....	4	332,354	2		2	
Military and naval.....	28	2,060,471	12	1,975,473	16	84,998	Vehicular subway and tunnel.....	1	72,929	1	157,200	4	248,077
Public: Courts, jails, etc.....	75	1,745,228	44	1,508,507	31	176,661	Miscellaneous, n. e. s.....	4	72,929				
Religious and memorial.....	151	5,069,847	88	4,702,822	63	366,525							
Residential.....	1,101	64,671,828	833	68,140,312	268	6,431,516							
Social and recreational.....	120	6,909,169	72	5,768,318	48	1,140,851							
Air transport.....	35	1,261,805	17	1,143,377	18	118,428							
Rail and water transportation.....	28	772,095	19	666,461	9	105,634							
Miscellaneous.....	234	6,951,414	134	3,276,407	100	3,675,007							
Highway and street.....	253	67,391,233	238	66,063,111	15	1,328,122							
Water power development.....	16	1,375,344	11	1,283,052	5	92,292							
Railroad and car line.....	27	2,513,266	23	2,449,231	4	64,035							
Public works and utilities.....	271	38,210,193	218	35,477,747	53	2,788,446							
Distribution not reported.....	5	466,960	3	227,929	2	238,031							
Distributed by class.....													
Bridge, tunnel, etc.....	74	9,193,343	60	8,803,488	8	389,855							
Central station, light and power plant.....	37	3,169,403	29	2,083,181	17	1,086,222							
Dock, pier, retaining wall, etc.....	27	3,639,738	23	3,583,699	4	56,039							
Flood control, irrigation, and land drainage.....	51	5,659,334	47	5,531,414	4	121,920							
Refuse disposal plant.....	5	17,554	4	(?)	1	(?)							
Park, grounds, etc.....	13	504,688	9	550,621	4	8,067							
River and harbor improvement.....	7	1,411,062	7	1,411,062									
Sewage disposal and drainage.....	77	6,732,074	68	6,653,514	9	78,560							
Water supply.....	61	6,044,807	49	5,609,657	12	435,150							
Oil and natural gas pipe line.....	5	765,364	5	765,364									
Telephone line and system.....	3	352,387	2	(?)	1	(?)							
Miscellaneous.....	16	206,479	12	181,335	4	25,144							
Air transport work.....	8	82,313	7		1								
Miscellaneous ²	77	8,083,609	49	2,873,099	28	5,297,883							
All business under subcontract.....	1,267	103,063,698	102	3,408,488	1,165	99,655,210							
Distribution not reported.....	26	2,610,063	3	96,858	23	2,513,205							
Distributed by class.....													
Carpentering and wood flooring.....	67	3,778,813	14	67,494	53	3,711,819							
Concreting.....	68	2,278,283	24	304,860	44	1,973,423							
Electrical.....	182	10,908,516	3	187,000	179	10,721,516							
Elevator construction.....	12	5,231,119			12	5,231,119							
Heating and plumbing.....		25,814,075				25,814,075							
Heating and piping.....	134				134								
Automatic temperature control.....	1	6,759,154			1	6,759,154							
Pipe covering.....	24	639,996			24	639,996							
Plumbing.....	228	15,888,365			228	15,888,365							
Plumbing and heating combined.....	18	2,031,541			18	2,031,541							
Automatic sprinkler systems.....	7	495,019			7	495,019							
Masonry.....	66	3,764,290	3	13,200	63	3,741,090							
Painting and decorating.....	91	5,076,141			91	5,076,141							
Glass and glazing.....	23	2,509,711			23	2,509,711							
Plastering and lathing.....	87	7,659,500	1	(?)	86	(?)							

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
LONG BEACH—Continued						LOS ANGELES—Continued							
All business under subcontract—Continued.						All business under subcontract—Continued.							
Distributed by class—Con.						Distributed by class—Con.							
Heating and plumbing						Heating and plumbing							
Heating and piping						Heating and piping							
Plumbing						Plumbing							
Masonry						Masonry							
Painting and decorating						Painting and decorating							
Plastering and lathing						Plastering and lathing							
Roofing and sheet-metal work						Roofing and sheet-metal work							
Roofing						Roofing							
Sheet-metal work						Sheet-metal work							
Marble and tiling						Marble and tiling							
Wrecking						Wrecking							
Excavating						Excavating							
Ornamental iron						Ornamental iron							
Dredging, river, harbor, etc.						Dredging, river, harbor, etc.							
Miscellaneous						Miscellaneous							
LOS ANGELES						LOS ANGELES							
All construction business						All construction business							
Distribution not reported						Distribution not reported							
Distributed by class of ownership						Distributed by class of ownership							
Private						Private							
Quasi public or community						Quasi public or community							
Public						Public							
Distribution not reported						Distribution not reported							
Distributed by class of public ownership						Distributed by class of public ownership							
Federal						Federal							
State						State							
County or township						County or township							
Municipal						Municipal							
All business under general contract or directly for owners						All business under general contract or directly for owners							
Distribution not reported						Distribution not reported							
Distributed by class						Distributed by class							
Building						Building							
Distribution not reported						Distribution not reported							
Distributed by class						Distributed by class							
Commercial						Commercial							
Educational						Educational							
Hotel						Hotel							
Hospital and institutional						Hospital and institutional							
Manufacturing						Manufacturing							
Military and naval						Military and naval							
Public: Courts, jails, etc.						Public: Courts, jails, etc.							
Religious and memorial						Religious and memorial							
Residential						Residential							
Social and recreational						Social and recreational							
Air transport						Air transport							
Rail and water transportation						Rail and water transportation							
Miscellaneous						Miscellaneous							
Highway and street						Highway and street							
Water power development						Water power development							
Railroad and car line						Railroad and car line							
Public works and utilities						Public works and utilities							
Distribution not reported						Distribution not reported							
Distributed by class						Distributed by class							
Bridge, tunnel, etc.						Bridge, tunnel, etc.							
Central station, light and power plant						Central station, light and power plant							
Dock, pier, retaining wall, etc.						Dock, pier, retaining wall, etc.							
Flood control, irrigation, and land drainage						Flood control, irrigation, and land drainage							
Park, grounds, etc.						Park, grounds, etc.							
River and harbor improvement						River and harbor improvement							
Sewage disposal and drainage						Sewage disposal and drainage							
Water supply						Water supply							
Oil and natural gas pipe line						Oil and natural gas pipe line							
Telephone line and system						Telephone line and system							
Miscellaneous						Miscellaneous							
Miscellaneous, n. e. s.						Miscellaneous, n. e. s.							
LOS ANGELES						LOS ANGELES							
All construction business						All construction business							
Distribution not reported						Distribution not reported							
Distributed by class of ownership						Distributed by class of ownership							
Private						Private							
Quasi public or community						Quasi public or community							
Public						Public							
Distribution not reported						Distribution not reported							
Distributed by class of public ownership						Distributed by class of public ownership							
Federal						Federal							
State						State							
County or township						County or township							
Municipal						Municipal							
All business under general contract or directly for owners						All business under general contract or directly for owners							
Distribution not reported						Distribution not reported							
Distributed by class						Distributed by class							
Building						Building							
Distribution not reported						Distribution not reported							
Distributed by class						Distributed by class							
Commercial						Commercial							
Educational						Educational							
Hotel						Hotel							
Hospital and institutional						Hospital and institutional							
Manufacturing						Manufacturing							
Military and naval						Military and naval							
Public: Courts, jails, etc.						Public: Courts, jails, etc.							
Religious and memorial						Religious and memorial							
Residential						Residential							
Social and recreational						Social and recreational							
Air transport						Air transport							
Miscellaneous						Miscellaneous							
Highway and street						Highway and street							
OAKLAND						OAKLAND							
All construction business						All construction business							
Distribution not reported						Distribution not reported							
Distributed by class of ownership						Distributed by class of ownership							
Private						Private							
Quasi public or community						Quasi public or community							
Public						Public							
Distribution not reported						Distribution not reported							
Distributed by class of public ownership						Distributed by class of public ownership							
Federal						Federal							
State						State							
County or township						County or township							
Municipal						Municipal							
All business under general contract or directly for owners						All business under general contract or directly for owners							
Distribution not reported						Distribution not reported							
Distributed by class						Distributed by class							
Building						Building							
Distribution not reported						Distribution not reported							
Distributed by class						Distributed by class							
Commercial						Commercial							
Educational						Educational							
Hotel						Hotel							
Hospital and institutional						Hospital and institutional							
Manufacturing						Manufacturing							
Military and naval						Military and naval							
Public: Courts, jails, etc.						Public: Courts, jails, etc.							
Religious and memorial						Religious and memorial							
Residential						Residential							
Social and recreational						Social and recreational							
Air transport						Air transport							
Miscellaneous						Miscellaneous							
Highway and street						Highway and street							

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
OAKLAND—Continued							SAN DIEGO—Continued						
All business under general contract or directly for owners—Continued.							All business under general contract or directly for owners—Continued.						
Distributed by class—Contd.		Dollars		Dollars		Dollars	Public works and utilities—Continued.		Dollars		Dollars		Dollars
Public works and utilities—	17	1,807,800	15	(?)	2	(?)	Water supply—	4	212,627	3	(?)	1	(?)
Bridge, tunnel, etc.	8		7	(?)	1	(?)	Central station, light and power plant—	1		1			
Central station, light and power plant—	1	630,938			1	(?)	Dock, pier, retaining wall, etc.—	1	100,870	1	100,870		
Dock, pier, retaining wall, etc.—	1						Flood control, irrigation, and land drainage—	1		1			
Flood control, irrigation, and land drainage—	1	250,765	1	250,765			Park, grounds, etc.—	1		1			
Park, grounds, etc.—	1						Sewage disposal and drainage—	1		1			
Sewage disposal and drainage—	6	837,254	6	837,254			Water supply—	2		2			
Water supply—	2						Miscellaneous—	2	88,003	2	88,003		
Miscellaneous—	2						Railroad and car line—	1	171,819	1	171,819		
Railroad and car line—	1						Air transport work—	2		2			
Air transport work—	2						Water power development—	2	180,472	2	180,472		
Water power development—	2						Miscellaneous, n. e. s.—	4		2	53,754	2	126,718
Miscellaneous, n. e. s.—	4												
All business under subcontract—	73	4,923,510	5	183,532	68	4,739,978	All business under subcontract—	51	3,430,914	7	343,880	44	3,087,034
Carpentering and wood flooring—	3	189,455			3	189,455	Concrete—	3	297,240			3	297,240
Concrete—	4	178,435	2	(?)	2	(?)	Masonry—	2				2	
Electrical—	6	395,198			6	395,198	Electrical—	9	312,108			9	312,108
Heating and plumbing—	2	1,356,018			2	1,356,018	Elevator construction—	2				2	
Heating and piping—	12	573,627			12	573,627	Ornamental iron—	2	157,761			2	157,761
Pipe covering—	2						Metal work, n. e. s.—	1				1	
Plumbing—	14	782,391			14	782,391	Heating and plumbing—	7	771,038			7	771,038
Masonry—	4	179,432			4	179,432	Heating and piping—	1				1	
Painting and decorating—	5	155,420			5	155,420	Pipe covering—	7	202,746			7	202,746
Glass and glazing—	3	367,693			3	367,693	Plumbing and heating combined—	1				1	
Plastering and lathing—	6	270,641			6	270,641	Plumbing—	6	508,292			6	508,292
Roofing and sheet-metal work—	6	456,033			6	456,033	Painting and decorating—	1	426,655			1	426,655
Roofing—	6	209,640			6	209,640	Glass and glazing—	2				2	
Sheet-metal work—	6	186,393			6	186,393	Plastering and lathing—	2				2	
Steel erection—	3	317,933			3	317,933	Roofing and sheet-metal work—	4	276,464			4	276,464
Ornamental iron—	1				1		Roofing—	4	225,799			4	225,799
Metal work, n. e. s.—	1				1		Sheet-metal work—	5	50,065			5	50,065
Marble and tiling—	3	427,069			3	427,069	Steel erection—	3	288,218			3	288,218
Sewer, gas, water, conduit—	4	53,764	3	(?)	1	(?)	Marble and tiling—	5	328,979			5	328,979
Other classes ⁴ —	4	575,510			4	575,510	Excavating—	3	98,676			3	98,676
							Wrecking—	1				1	
							Highway—	1	375,320		343,880	1	228,568
							Sewer, gas, water, conduit—	2				2	
							Other classes ⁴ —	5	98,430			5	
							SAN FRANCISCO						
							All construction business—	309	117,093,852	165	83,005,108	234	33,488,744
							Distribution not reported—	26	3,630,771	5	1,181,349	21	2,448,922
							Distributed by class of ownership—						
							Private—	373	113,463,031	160	82,423,259	213	31,039,822
							Quasi public or community—	347	87,051,909	138	59,244,195	209	27,807,804
							Public—	58	5,029,041	17	3,644,874	41	1,384,167
							Distribution not reported—	133	21,382,041	57	19,534,190	76	1,847,861
								5	317,467	1	288,917	4	28,550
							Distributed by class of public ownership—						
							Federal—	128	21,064,574	56	19,245,273	72	1,819,301
							State—	42	1,230,141	19	1,086,925	23	143,216
							County or township—	48	5,517,723	23	4,899,071	25	618,062
							Municipal—	39	7,559,227	18	7,274,531	21	275,696
								72	6,766,483	32	5,984,746	40	781,737
							All business under general contract or directly for owners—	255	90,196,366	165	82,920,419	90	7,275,947
							Distribution not reported—	1	120,000			1	120,000
							Distributed by class—						
							Building—	254	90,076,366	165	82,920,419	89	7,155,947
							Distribution not reported—	202	66,530,706	119	60,905,710	83	5,624,996
								19	2,541,893	7	1,821,819	12	1,260,579
							Distributed by class—						
							Commercial—	183	63,048,808	112	59,584,391	71	4,364,417
							Educational—	80	28,329,755	48	26,984,282	32	1,345,603
							Hotel—	24	5,216,000	17	5,143,129	7	70,871
							Hospital and institutional—	35	7,857,066	19	7,630,811	16	226,255
							Manufacturing—	20	1,804,417	10	1,712,910	10	91,507
							Military and naval—	35	5,667,870	18	4,999,834	17	671,836
							Public: Courts, jails, etc.—	4	94,558	2		2	
							Religious and memorial—	0	21,502	4	98,597	6	17,463
							Residential—	19	1,147,620	12	1,076,806	7	70,814
							Social and recreational—	119	10,460,076	78	9,309,885	41	1,150,190
							Rail and water transportation—	17	2,013,556	6	1,809,546	11	204,040
							Miscellaneous—	8	116,862	5	83,347	3	33,515
							Highway and street—	32	1,216,627	14	784,244	18	482,423
							Railroad and car line—	27	8,278,567	27	8,278,567		
								6	613,250	5	(?)	1	(?)

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
SAN FRANCISCO—Continued							SAN FRANCISCO—Continued						
All business under general contract or directly for owners—Continued.							All business under subcontract—Continued.						
Distributed by class—Contd.		<i>Dollars</i>		<i>Dollars</i>		<i>Dollars</i>	Distributed by class—Contd.		<i>Dollars</i>		<i>Dollars</i>		<i>Dollars</i>
Public works and utilities.....	39	12,005,201	28	11,007,423	11	937,778	Elevator construction.....	4	4,758,839		4	4,758,839	
Distribution not reported.....	2	238,031			2	238,031	Heating and plumbing.....	5	5,032,378		5	5,032,378	
Distributed by class.....	37	12,307,170	28	11,007,423	0	609,747	Heating and piping.....	24	1,915,135		24	1,915,135	
Bridge, tunnel, etc.....	10	5,501,940	10	5,501,940			Pipe covering.....	5			5	547,855	
Central station, light and power plant.....	11	820,534	5	476,471	6	344,063	Automatic temperature control.....	1	547,855		1	547,855	
Flood control, irrigation and land drainage.....	8	842,647	8	842,647			Plumbing.....	27	2,161,538		27	2,161,538	
River and harbor improvement.....	9	1,093,242	6	1,093,242			Plumbing and heating combined.....	5	863,800		5	863,800	
Park, grounds, etc.....	3		3				Automatic sprinkler systems.....	4	193,091		4	193,091	
Refuse disposal plant.....	1		1				Masonry.....	10	898,181		10	898,181	
Sewage disposal and drainage.....	1	735,005	1	735,005			Stonework.....	2			2	808,101	
Dock, pier, retaining wall, etc.....	7	1,457,687	6	2,058,028	1	355,084	Painting and decorating.....	16	1,205,294		16	1,205,294	
Water supply.....	7	1,846,213	5		2		Glass and glazing.....	6	451,438		6	451,438	
Miscellaneous.....	4	10,802	2		2		Plastering and lathing.....	16	2,102,258		16	2,102,258	
Water power development.....	2	871,681	2	(?)			Roofting and sheet-metal work.....		1,000,330			1,000,330	
Air transport work.....	1				1	(?)	Roofting.....	10	615,187		10	615,187	
Miscellaneous ⁷	11	1,170,952	7	591,193	4	585,750	Sheet-metal work.....	0	1,054,152		0	1,054,152	
All business under subcontract.....	208	26,897,486	9	684,089	190	26,212,797	Steel erection.....	11	2,295,358		11	2,295,358	
Distribution not reported.....	3	108,500	2	63,500	1	45,000	Marble and tiling.....	24	2,813,008		24	2,813,008	
Distributed by class.....	205	26,788,986	7	621,189	198	26,107,797	Wrecking.....	1	702,875		1	391,520	
Carpentering and wood flooring.....	9	441,500			9	441,500	Excavating.....	7		3	311,340		
Concreting.....	7	337,697	1	(?)	6	(?)	Ornamental iron.....	8	578,221		8	578,221	
Electrical.....	30	2,099,009			30	2,000,060	Highway.....	1	382,060		1	(?)	
							Grading.....	2			2	(?)	
							Dredging, river, harbor, etc.....	3	83,183		3	83,183	
							Flooring, n. e. s.....	3	69,153		3	69,153	
							Other classes ⁸	3	153,904		3	153,904	

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 two subcontractors reporting automatic sprinkler systems.
⁴ Includes one subcontracting establishment reporting automatic sprinkler system.
⁵ Includes establishments reporting the following types of work: Excavating 1; grading, 1; flooring, n. e. s., 2.
⁶ Includes establishments reporting the following types of work: General contractors—Railroad, 1; rental of equipment, 1. Subcontractors—Flooring, n. e. s. 2; miscellaneous, 1.
⁷ Includes one subcontracting establishment reporting automatic sprinkler systems.
⁸ Includes establishments reporting the following types of subcontract work: Soundproofing, 1; metal work, 1; rental of equipment, 1.

TABLE 3.—CONSTRUCTION BUSINESS DURING 1929, BY LOCATION

CLASSIFICATION OF ESTABLISHMENTS	Establishments reporting	Total	LOCATION			CLASSIFICATION OF ESTABLISHMENTS	Establishments reporting	Total	LOCATION		
			In home city	In home State	Outside home State				In home city	In home State	Outside home State
CALIFORNIA	2,679	<i>Dollars</i> 428,880,367	<i>Dollars</i> 254,109,978	<i>Dollars</i> 413,038,842	<i>Dollars</i> 15,841,525	CALIFORNIA—Continued					
Operative builders.....	73	8,543,924	7,773,480	8,491,324	52,600	Subcontractors—Continued.		<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
General contractors.....	1,354	202,110,093	153,939,085	282,503,545	9,607,148	Elevator construction.....	9	5,288,654	1,650,818	3,465,689	1,822,065
Building.....	983	182,926,386	115,027,013	177,859,124	5,067,262	Heating and plumbing.....	331	34,970,254	20,673,171	34,100,179	873,075
Building not specialized.....	645	149,831,323	92,373,094	144,858,644	4,972,679	Heating and piping.....	68	7,441,058	5,319,307	7,337,768	103,300
Commercial building only.....	51	7,528,268	0,000,907	7,528,268		Pipe covering.....	7	796,573	549,150	796,573	
Manufacturing building only.....	8	3,520,047	60,705	3,484,547	35,500	Plumbing.....	225	22,058,151	17,000,907	21,493,658	564,498
Residential building only.....	279	22,046,748	10,592,217	21,087,605	59,083	Plumbing and heating combined.....	22	3,028,994	2,516,183	3,028,994	
Highway.....	85	25,340,537	4,812,238	23,764,497	1,576,040	Automatic sprinkler systems.....	9	1,654,478	678,465	1,440,201	205,277
Bridge and culvert.....	26	9,912,963	2,033,027	9,620,608	202,265	Masonry.....	57	4,324,771	3,173,705	4,149,109	175,662
Grading.....	32	4,808,205	1,410,203	4,600,812	207,393	Painting and decorating.....	99	6,085,319	5,660,226	6,024,950	360,369
Street paving.....	105	41,207,367	23,886,898	41,082,257	125,110	Glass and glazing.....	23	2,408,794	1,603,530	2,449,584	49,210
Sewer, gas, water, conduit.....	40	6,254,886	2,325,525	6,254,886		Plastering and lathing.....	89	3,053,842	6,185,430	7,540,204	513,638
Dam and reservoir.....	22	7,448,101	202,324	7,158,031	290,070	Roofting and sheet-metal work.....	127	9,518,961	7,626,985	9,320,027	230,334
Waterworks.....	5	1,285,923	3,669	367,420	878,503	Roofting.....	70	5,709,861	4,719,390	5,653,252	50,690
Dredging, river, harbor, etc.....	19	7,588,231	2,563,540	7,036,778	521,453	Sheet-metal work.....	48	3,859,010	2,907,595	3,076,375	182,635
Railroad.....	6	1,201,209	30,469	770,774	571,653	Steel erection.....	26	14,042,488	9,781,774	13,330,632	711,856
Foundation.....	4	258,654	112,700	258,654	571,653	Stone work.....	7	636,251	503,048	627,204	0,047
Central station, light and power plant.....	12	2,800,993	1,381,889	2,732,594	77,809	Marble and tiling.....	89	9,487,323	7,264,953	9,041,135	440,188
Oil and natural gas pipe line.....	5	779,774	184,420	770,774		Wrecking.....	4	222,003	96,334	222,003	
Other classes ¹	4	278,465	10,160	278,465		Excavating.....	30	3,244,210	1,340,594	3,150,415	84,801
Subcontractors.....	1,249	128,225,750	92,897,411	122,043,973	6,181,777	Ornamental iron.....	26	1,820,911	1,492,507	1,730,698	99,213
Carpentering and wood flooring.....	50	4,043,794	3,285,932	4,043,203	501	Grading.....	4	404,482	55,155	404,482	
Concreting.....	40	2,914,138	1,917,116	2,691,540	222,598	Street paving and highway.....	6	785,881	576,881	785,881	20,379
Electrical.....	101	14,771,376	11,170,039	14,602,451	168,925	Soundproofing.....	3	501,860	209,815	481,481	20,379
						Metal work, n. e. s.....	12	1,684,758	690,358	1,237,779	346,979
						Flooring, n. e. s.....	19	1,183,970	795,695	1,151,945	32,025
						Other classes ²	7	872,804	615,885	867,792	5,012

See footnotes at end of table.

CONSTRUCTION—CALIFORNIA

TABLE 3.—CONSTRUCTION BUSINESS DURING 1929, BY LOCATION—Continued

CLASSIFICATION OF ESTABLISHMENTS	Establishments reporting	Total				CLASSIFICATION OF ESTABLISHMENTS	Establishments reporting	Total								
		Dollars	Dollars	Dollars	Dollars			Dollars	Dollars	Dollars	Dollars					
			In home city	In home State	Outside home State			In home city	In home State	Outside home State						
LONG BEACH																
Operative builders.....	108	10,937,344	7,613,608	3,972,144	65,200	OAKLAND—Continued										
General contractors.....	57	6,480,762	4,588,630	6,415,762	65,000	Subcontractors.....	73	Dollars	Dollars	Dollars	Dollars					
Building.....	47	4,019,895	2,709,879	3,954,895	65,000	Carpentering and wood flooring.....	4	6,380,229	4,387,854	6,383,799	2,930					
Building not specialized.....	25	2,827,766	1,682,026	2,702,766	65,000	Electrical.....	4	314,640	251,620	314,640	-----					
Commercial building only.....	3	136,223	136,223	136,223	-----	Heating and plumbing.....	23	442,827	376,327	442,827	-----					
Residential building only.....	19	1,055,906	981,630	1,055,906	-----	Heating and pipe covering.....	11	2,186,646	1,861,993	2,186,646	-----					
Street paving and highway.....	6	1,874,414	1,389,312	1,874,414	-----	Plumbing.....	12	1,176,125	977,611	1,176,125	-----					
Other classes ¹	4	586,453	399,439	586,453	-----	Masonry and concreting.....	12	1,010,521	874,382	1,010,521	-----					
Subcontractors.....	40	3,317,336	2,780,632	3,317,136	200	Painting and decorating ¹¹	6	246,225	230,841	246,225	-----					
Carpentering and wood flooring.....	3	131,095	100,895	130,895	200	Plastering and lathing.....	8	327,177	264,615	327,177	-----					
Electrical.....	7	652,552	635,269	652,552	-----	Glass and glazing.....	4	400,830	210,441	457,900	2,930					
Heating and plumbing.....	13	920,981	699,845	920,981	-----	Plastering and lathing.....	5	247,185	144,851	247,185	-----					
Heating and pipe covering.....	4	142,329	142,329	142,329	-----	Roofing and sheet-metal work.....	11	696,602	517,769	696,602	-----					
Plumbing.....	9	557,522	557,522	557,522	-----	Roofing.....	7	456,244	350,119	456,244	-----					
Masonry and concreting.....	4	208,193	210,011	208,193	-----	Sheet-metal work.....	4	241,448	107,650	241,448	-----					
Painting and decorating.....	3	155,693	150,313	155,693	-----	Steel erection ¹²	3	1,008,256	180,133	1,008,256	-----					
Plastering and lathing.....	3	194,796	194,796	194,796	-----	Marble and tiling.....	3	456,280	359,258	456,280	-----					
Roofing and sheet-metal work.....	6	359,338	344,181	359,338	-----	SAN DIEGO										
Marble and tiling.....	4	443,951	325,013	443,951	-----	General contractors.....	53	13,263,455	9,762,106	12,664,708	598,747					
Other classes ¹	3	151,737	129,709	151,737	-----	Building.....	35	3,072,304	3,409,420	3,004,304	8,600					
LOS ANGELES																
Operative builders.....	789	168,938,638	108,380,846	159,947,411	7,086,222	Building not specialized ¹³	26	3,057,282	2,810,338	3,049,282	8,000					
General contractors.....	376	109,477,646	64,329,242	105,166,833	4,310,813	Residential building only.....	10	615,082	590,082	615,082	-----					
Building.....	277	68,671,814	47,207,834	65,624,293	3,147,521	Highway.....	4	3,249,583	1,162,677	2,763,083	486,600					
Building not specialized.....	174	55,396,031	37,418,742	52,248,510	3,147,521	Street paving.....	8	5,687,736	4,333,439	5,680,989	6,747					
Commercial building only.....	25	6,046,541	4,141,908	5,046,541	-----	Other classes ¹⁴	0	653,772	356,570	556,272	97,600					
Manufacturing building only.....	3	1,601,785	30,000	1,601,785	-----	Subcontractors.....	45	3,001,499	2,845,410	2,988,099	613,400					
Residential building only.....	75	6,627,457	5,617,184	6,627,457	-----	Concreting and masonry.....	4	290,222	288,142	290,222	-----					
Highway.....	12	4,987,150	1,748,801	4,809,410	177,749	Electrical.....	0	420,830	400,830	407,830	21,500					
Bridge, culvert, and railroad.....	8	2,207,038	460,408	1,510,804	786,234	Heating and plumbing.....	9	962,355	907,413	935,855	26,600					
Street paving.....	34	20,081,530	11,352,398	20,036,978	44,552	Plumbing.....	5	548,743	507,243	522,243	26,600					
Sewer, gas, water, conduit, dam, reservoir, and water-works.....	20	3,466,736	1,818,606	3,466,736	-----	Plumbing and heating combined.....	4	413,612	400,170	413,612	-----					
Dredging, river, harbor, etc.....	5	2,006,532	518,589	2,006,532	-----	Painting and decorating ¹¹	4	204,105	147,080	182,086	22,019					
Central station, light and power plant.....	4	1,655,902	999,484	1,588,278	67,624	Roofing and sheet-metal work.....	0	360,423	329,558	340,423	20,000					
Other classes ¹⁵	6	843,789	101,454	843,789	-----	Steel erection ¹²	4	424,863	238,320	268,544	150,319					
Subcontractors.....	382	53,714,500	40,703,198	51,041,781	2,672,809	Marble, tiling, and plastering.....	6	742,497	363,857	388,435	354,062					
Carpentering and wood flooring.....	15	1,946,331	1,732,189	1,946,030	301	Other classes ¹⁶	3	187,704	164,210	174,704	13,000					
Concreting and stone work.....	14	1,671,083	904,493	1,439,438	231,645	SAN FRANCISCO										
Electrical.....	49	5,548,406	3,932,803	5,406,065	142,341	Operative builders.....	12	2,272,976	2,272,976	2,272,976	-----					
Elevator construction.....	4	406,108	280,605	401,632	4,476	General contractors.....	149	79,409,572	35,147,738	70,321,752	3,087,820					
Heating and plumbing.....	85	12,607,165	9,796,454	11,827,132	773,083	Building.....	95	55,454,676	28,320,906	53,928,018	1,520,658					
Heating and pipe covering.....	22	2,387,027	1,887,584	2,295,227	91,800	Building not specialized.....	63	51,684,671	26,245,697	50,192,013	1,491,158					
Plumbing.....	59	9,098,101	7,527,199	9,070,163	537,968	Commercial building only.....	8	905,621	600,328	905,621	-----					
Automatic sprinkler systems.....	4	604,977	381,671	461,742	143,285	Manufacturing building only.....	3	453,262	5,705	417,762	35,500					
Masonry.....	15	1,823,022	1,220,583	1,673,657	149,365	Residential building only.....	21	2,411,727	1,469,170	2,411,727	-----					
Painting and decorating.....	35	2,908,478	2,383,810	2,732,016	170,462	Highway.....	8	3,329,862	350,037	3,275,862	54,000					
Glass and glazing.....	9	1,215,876	841,068	1,183,596	32,280	Bridge, culvert, and railroad.....	5	6,870,912	1,330,904	6,870,912	-----					
Plastering and lathing.....	32	3,512,403	2,882,220	3,267,859	244,544	Grading.....	8	2,010,112	591,476	2,010,112	-----					
Roofing and sheet-metal work.....	38	3,920,056	3,220,194	3,886,210	33,845	Street paving.....	12	4,253,532	2,460,810	4,179,721	73,811					
Roofing.....	25	2,637,445	2,236,354	2,603,600	33,845	Waterworks.....	3	1,081,150	3,669	202,653	878,503					
Sheet-metal work.....	13	1,282,610	992,840	1,282,610	-----	Dredging, river, harbor, etc. ¹⁶	11	4,356,485	1,760,075	3,981,020	375,456					
Steel erection.....	4	6,622,896	7,211,096	8,100,896	522,000	Central station, light and power plant.....	4	546,980	204,156	537,211	9,775					
Marble and tiling.....	31	3,802,733	3,065,747	3,620,268	182,475	Other classes ¹⁷	3	1,505,840	125,100	1,336,229	169,617					
Excavating and wrecking.....	16	2,291,129	716,870	2,206,328	84,801	Subcontractors.....	222	31,449,792	21,244,280	28,777,085	2,672,707					
Ornamental iron.....	8	480,591	352,171	421,747	58,844	Carpentering and wood flooring.....	9	503,002	483,489	503,002	-----					
Street paving.....	3	622,881	490,881	622,881	-----	Concreting.....	7	490,238	481,243	490,238	-----					
Metal work, n. e. s.....	8	740,625	495,757	739,625	1,000	Electrical.....	30	2,774,241	2,059,917	2,774,241	-----					
Flooring, n. e. s.....	10	740,452	540,950	730,446	10,000	Elevator construction.....	4	4,827,839	1,315,446	3,000,360	1,818,489					
Other classes ¹⁸	0	861,356	560,181	835,965	25,391	Heating and plumbing.....	53	7,643,946	6,126,852	7,572,735	71,211					
OAKLAND																
Operative builders.....	140	16,598,551	9,604,928	16,449,624	148,927	Heating and pipe covering.....	19	2,558,753	2,030,200	2,549,584	9,169					
General contractors.....	61	9,736,278	4,818,874	9,500,281	145,997	Pipe covering.....	4	523,684	401,906	523,684	-----					
Building.....	45	5,247,689	3,409,552	5,247,689	-----	Plumbing.....	20	2,601,768	2,554,743	2,601,768	-----					
Building not specialized.....	26	3,454,135	1,998,380	3,454,135	-----	Plumbing and heating combined.....	6	965,707	794,418	965,707	-----					
Commercial building only.....	5	788,971	633,275	788,971	-----	Automatic sprinkler systems.....	4	994,034	295,585	931,992	62,042					
Residential building only.....	14	1,004,583	777,891	1,004,583	-----	Masonry.....	10	880,619	679,810	869,538	11,081					
Highway.....	5	1,107,465	177,081	1,107,465	-----	Painting and decorating ¹¹	24	1,986,241	1,726,419	1,960,884	25,357					
Street paving.....	5	2,142,290	1,134,165	2,142,290	-----	Glass and glazing.....	5	501,998	330,998	501,998	-----					
Sewer, gas, water, conduit.....	3	632,305	31,000	632,305	-----	Plastering and lathing.....	17	2,417,975	1,079,992	2,017,975	182,635					
Other classes ¹⁹	3	600,629	227,076	600,629	-----	Roofing and sheet-metal work.....	13	1,441,598	901,811	1,258,963	182,635					

¹ Includes levee; air transport work; and telephone line and system.
² Includes automatic temperature control.
³ Includes bridge and culvert; sewer, gas, water, conduit; waterworks; power plant; and rental of equipment, trucking, etc.
⁴ Includes bridge and culvert; dredging, river, harbor, etc.; and central station, light and power plant.
⁵ Includes plumbing and heating combined.
⁶ Includes excavating; and ornamental iron.
⁷ Includes grading; and oil and natural gas pipe line.
⁸ Includes pipe covering; and plumbing and heating combined.
⁹ Includes sewer, gas, water, conduit; waterworks; soundproofing; and power plant.
¹⁰ Includes bridge and culvert; and dredging, river, harbor, etc.
¹¹ Includes flooring, n. e. s.
¹² Includes ornamental iron.
¹³ Includes operative builders.
¹⁴ Includes bridge and culvert; grading; sewer, gas, water, conduit; and railroad.
¹⁵ Includes glass and glazing; excavating; and sewer, gas, water, conduit.
¹⁶ Includes levee.
¹⁷ Includes dam and reservoir; and foundation.
¹⁸ Includes metal work, n. e. s.
¹⁹ Includes grading; soundproofing; and rental of equipment, trucking, etc.

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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 ¹	Subcontractors		All classes of establishments	General contractors ¹	Subcontractors
CALIFORNIA				LOS ANGELES—Continued			
Total distributed by State or country ¹ ...	\$15,841,525	\$9,650,748	\$6,181,777	Oregon.....	\$123,808	\$91,854	\$31,954
Arizona.....	5,550,879	3,613,110	1,943,760	Texas.....	227,798	36,620	101,178
Colorado.....	113,579	112,702	817	Utah.....	99,470	97,203	32,207
Idaho.....	600,406	603,893	5,543	Washington.....	389,052	315,651	74,101
Illinois.....	25,488	25,488	25,488	Wyoming.....	8,409	8,409	8,409
Kansas.....	150,000	80,000	70,000	Other States, n. s.....	54,800	54,800	54,800
Louisiana.....	28,137	28,137	28,137	Hawaii.....	149,961	149,961	149,961
Montana.....	105,981	105,981	105,981	Mexico.....	316,116	10,820	209,200
Nevada.....	1,045,837	1,461,915	189,922	OAKLAND			
New Mexico.....	186,733	182,943	3,790	Total distributed by State or country ¹ ...	148,927	145,997	2,930
New York.....	37,608	37,608	37,608	Oregon.....	2,930	2,930	2,930
North Carolina.....	12,000	12,000	370,773	Other States, n. s.....	145,997	145,997	2,930
Oregon.....	708,043	355,270	191,178	SAN DIEGO			
Pennsylvania.....	235,000	235,000	232,130	Total distributed by State or country ¹ ...	1,212,147	598,747	613,400
Texas.....	551,798	360,620	8,400	Arizona.....	289,093	269,747	22,346
Utah.....	379,659	147,629	344,774	Texas.....	324,000	324,000	245,000
Washington.....	3,438,250	1,032,866	1,505,384	Other States, n. s.....	245,000	8,000	346,054
Wyoming.....	8,409	8,409	8,409	Mexico.....	354,054	8,000	346,054
Other States, n. s.....	505,771	160,067	8,400	SAN FRANCISCO			
Alaska.....	225,000	225,000	225,000	Total distributed by State or country ¹ ...	5,760,527	3,087,820	2,672,707
Hawaii.....	542,419	542,419	452,419	Arizona.....	372,449	50,875	321,574
Philippine Islands.....	15,006	15,006	15,006	Idaho.....	317,405	311,802	5,543
Mexico.....	852,522	105,804	656,058	Louisiana.....	28,137	28,137	28,137
LONG BEACH				Montana.....	105,981	105,981	105,981
Total distributed by State or country ¹ ...	65,200	65,000	200	Nevada.....	584,555	542,994	41,641
Nevada.....	200	200	200	North Carolina.....	12,000	12,000	235,089
Utah.....	65,000	65,000	65,000	Oregon.....	371,553	136,404	235,000
LOS ANGELES				Pennsylvania.....	235,000	235,000	199,023
Total distributed by State or country ¹ ...	7,036,222	4,363,413	2,672,809	Utah.....	215,189	16,200	1,380,383
Arizona.....	4,299,765	2,706,010	1,593,755	Washington.....	2,707,698	1,387,315	36,972
Colorado.....	113,579	112,702	817	Other States, n. s.....	30,972	225,000	225,000
Idaho.....	292,001	292,001	292,001	Alaska.....	225,000	225,000	302,463
Illinois.....	25,488	25,488	25,488	Hawaii.....	302,463	302,463	15,006
Kansas.....	150,000	80,000	70,000	Philippine Islands.....	15,006	15,006	15,006
Louisiana.....	561,034	481,559	99,445	Mexico.....	171,044	171,044	171,044
Nevada.....	186,733	182,943	3,790				
New Mexico.....	186,733	182,943	3,790				
New York.....	37,608	37,608	37,608				

¹ Includes operative builders.
 Number of establishments reporting:
² All classes, 2,200; general contractors, 1,181; subcontractors, 1,079.
³ All classes, 2; general contractors, 1; subcontractors, 1.
⁴ All classes, 76; general contractors, 20; subcontractors, 56.
⁵ All classes, 2; general contractors, 1; subcontractors, 1.
⁶ All classes, 21; general contractors, 6; subcontractors, 15.
⁷ All classes, 35; general contractors, 14; subcontractors, 21.

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

CLASSIFICATION OF ESTABLISHMENTS	Es-tab-lish-ments re- port- ing	PROPRIETORS AND FIRM MEMBERS				SALARIED EMPLOYEES								
		Re- ceiv- ing no sal- ary	Receiving salaries		All salaried employees		Officers and clerical staff		Superintendents, foremen, etc.		Number reported, by sex			Sex not re- port- ed
			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	
CALIFORNIA	2,692	2,049	979	\$3,389,980	6,560	\$17,092,784	3,908	\$10,323,835	2,652	\$9,768,949	5,570	4,547	1,023	990
Operative builders	71	72	13	33,140	84	219,490	52	129,755	32	89,735	53	44	0	31
General contractors	1,375	1,200	361	1,440,036	3,570	9,872,565	1,823	5,478,138	1,747	4,394,427	3,127	2,679	448	443
Building	999	908	238	919,396	2,054	5,493,927	1,103	2,969,353	951	2,524,574	1,794	1,486	308	260
Building not specialized	659	582	181	699,728	1,677	4,571,615	892	2,475,079	785	2,066,536	1,466	1,216	250	211
Commercial building only	51	43	0	20,912	106	294,355	63	175,438	43	118,917	99	82	17	7
Manufacturing building only	9	6	3	17,844	67	175,747	49	121,014	18	54,733	44	38	6	23
Residential building only	280	277	45	172,412	204	452,210	90	197,822	105	254,388	185	150	35	19
Highway	85	74	20	101,545	353	981,409	164	480,499	199	494,010	319	288	31	34
Bridge and culvert	26	31	3	43,000	90	311,382	48	180,950	48	130,432	90	74	16	6
Grading	32	22	17	58,580	115	325,901	53	201,898	62	124,003	90	33	7	25
Street paving	108	86	32	162,481	444	1,331,765	215	732,185	229	599,580	412	369	43	32
Sewer, gas, water, conduit	46	44	20	62,917	74	126,840	29	64,214	45	62,026	55	52	3	19
Dam and reservoir	22	18	5	20,000	141	445,065	68	316,778	73	128,887	98	90	8	43
Waterworks	6	3	4	35,400	33	79,723	17	41,535	16	38,188	14	13	1	19
Dredging, river, harbor, etc.	10	2	4	9,700	132	474,824	70	318,024	62	155,900	127	118	9	5
Railroad	6	3	1	7,911	37	111,994	15	73,200	22	38,794	37	35	2	---
Foundation	4	4	1	14,188	1	2,768	---	---	1	2,768	1	1	---	---
Control station, light and power plant	12	6	3	9,418	50	124,529	28	68,224	22	56,305	50	38	12	---
Oil and natural gas pipe line	6	6	3	4,500	25	42,881	14	16,681	11	26,200	25	19	6	---
Other classes ¹	4	2	2	4,600	15	18,957	9	7,097	6	11,200	15	13	2	---
Subcontractors	1,240	768	605	1,907,804	2,906	7,000,729	2,033	4,715,942	873	2,284,787	2,390	1,824	566	516
Carpentering and wood flooring	52	30	33	92,884	65	135,002	38	77,487	27	58,115	57	45	12	8
Concrete	40	41	16	36,679	52	120,903	28	66,768	24	64,145	48	36	12	4
Electrical	189	80	131	415,372	451	900,003	345	736,799	106	253,804	383	281	102	68
Elevator construction	9	2	2	11,323	62	176,022	42	122,899	20	53,123	39	29	10	23
Heating and plumbing	334	205	146	438,210	798	1,979,129	576	1,367,902	222	621,167	582	420	162	216
Heating and piping ¹	98	36	18	59,912	168	432,424	119	306,983	40	125,441	136	98	38	32
Pipe covering	6	2	---	---	45	100,915	36	74,550	9	26,365	18	16	2	27
Plumbing	230	150	116	345,812	472	1,159,700	350	806,510	122	353,190	362	262	100	110
Plumbing and heating combined	23	11	12	32,486	81	201,480	55	127,109	26	74,311	45	27	18	36
Automatic sprinkler systems	7	6	---	---	32	84,610	16	42,760	16	41,860	21	17	4	11
Masonry	57	58	9	40,060	37	84,207	22	43,619	15	40,583	36	31	5	1
Painting and decorating	95	66	60	194,779	161	385,675	99	227,007	62	158,068	135	103	35	23
Glass and glazing	20	1	0	34,110	79	164,597	58	126,797	21	37,800	70	52	18	9
Plastering and lathing	91	90	40	137,038	97	250,278	46	96,324	51	153,954	77	57	20	20
Roofing and sheet-metal work	128	69	73	215,761	253	652,952	194	436,328	59	126,624	215	161	54	38
Roofing	80	41	40	119,096	155	319,545	118	244,401	37	75,144	137	103	34	18
Sheet-metal work	48	28	33	95,765	98	243,407	76	191,927	22	51,480	78	58	20	20
Steel erection	27	8	2	9,100	290	800,706	214	525,477	82	275,289	286	231	55	10
Stone work	8	4	3	8,000	17	55,418	12	40,459	5	14,959	12	11	1	5
Marble and tiling	88	57	38	127,611	240	618,178	177	431,705	72	186,473	216	171	45	33
Wrecking	4	3	2	7,200	6	11,279	3	4,580	3	6,699	3	3	---	3
Excavating	34	23	11	47,439	104	260,541	55	145,373	40	116,168	66	59	7	38
Ornamental iron	25	16	10	26,426	64	153,011	51	121,568	13	31,453	62	52	10	2
Grading	5	4	---	---	12	25,470	6	13,020	6	12,450	9	7	---	3
Street paving and highway	6	3	2	10,100	16	29,477	7	14,000	9	15,477	16	16	---	---
Metal work, n. e. s.	10	3	5	9,115	33	67,931	25	50,011	8	17,020	26	20	6	7
Flooring, n. e. s.	15	5	4	14,394	33	66,294	26	49,867	7	16,397	33	25	8	---
Other classes ¹	9	2	9	32,303	21	62,426	9	37,912	12	24,514	16	14	2	6
LONG BEACH	100	83	44	136,184	182	395,831	104	210,879	78	185,152	151	122	29	31
Operative builders	3	4	---	---	3	25,000	3	25,000	---	---	---	---	---	3
General contractors	58	40	22	73,916	90	207,374	43	72,419	56	134,955	77	67	10	22
Building	48	41	22	73,916	69	136,948	35	58,480	34	78,459	47	40	7	22
Building not specialized	26	22	13	58,250	54	118,656	30	51,351	24	67,305	33	28	5	21
Commercial building only	3	3	1	2,500	1	1,600	---	---	1	1,600	1	1	---	---
Residential building only	19	16	8	13,157	14	16,692	5	7,138	9	9,554	13	11	2	1
Street paving and highway	6	3	---	---	19	47,126	5	8,030	14	39,096	19	17	2	---
Other classes ¹	4	5	---	---	11	23,300	3	5,900	8	17,400	11	10	---	---
Subcontractors	48	30	22	62,268	80	163,457	58	113,260	22	50,197	74	55	19	6
Carpentering and wood flooring	3	1	4	13,740	2	4,800	1	3,000	1	3,000	2	2	---	---
Electrical	7	1	6	24,300	19	34,601	17	29,505	2	5,096	17	11	6	2
Heating and plumbing	13	9	6	15,215	16	34,419	12	22,628	4	11,891	12	7	5	4
Heating and piping ¹	4	3	1	2,681	9	21,339	8	17,139	1	4,200	0	6	3	---
Plumbing	9	6	5	12,534	7	13,080	4	5,389	3	7,691	3	1	2	4
Masonry and concreting	4	4	---	---	6	14,125	3	7,125	3	7,000	6	6	---	---
Painting and decorating	4	2	1	3,600	11	20,450	8	14,250	3	6,200	11	9	2	---
Plastering and lathing	3	3	---	---	1	900	1	900	---	---	1	---	---	---
Roofing and sheet-metal work	6	7	---	---	10	17,739	8	14,799	2	2,940	10	7	3	---
Marble and tiling	4	1	3	5,413	8	13,608	4	6,723	4	6,855	8	0	2	---
Other classes ¹	4	2	---	---	7	22,815	4	15,030	3	7,185	7	7	---	---

See footnotes at end of table.

CONSTRUCTION—CALIFORNIA

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

CLASSIFICATION OF ESTABLISHMENTS	Es-tablish-ments re-ported	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			
			Number	Total annual salaries	Total number	Total annual salaries	Number	Total annual salaries	Number	Total annual salaries	Total	Male	Female	
LOS ANGELES	781	568	241	\$920,765	2,613	\$7,092,900	1,639	\$4,536,411	974	\$2,556,489	2,245	1,851	394	368
Operative builders.....	20	27	2	6,800	30	95,605	26	65,005	13	30,600	24	20	4	15
General contractors.....	378	307	82	306,660	1,345	3,019,379	745	2,404,440	600	1,514,930	1,190	1,023	167	155
Building.....	278	226	48	233,335	863	2,470,419	512	1,570,027	351	900,392	749	625	124	114
Building not specialized.....	175	136	27	156,895	743	2,166,403	438	1,388,500	305	777,813	641	537	104	102
Commercial building only.....	25	20	4	12,640	63	186,832	40	121,802	23	64,940	59	48	11	4
Manufacturing building only.....	3	1	1	6,244	8	22,200	5	13,200	3	9,060	7	7	0	1
Residential building only.....	75	69	16	57,556	49	94,981	29	46,345	20	48,639	42	33	9	7
Highway.....	11	11	1	3,000	44	120,400	10	49,369	28	71,040	42	30	3	2
Bridge, culvert, and railroad.....	8	7	2	40,000	30	118,202	10	77,070	20	41,132	36	34	2	3
Grading.....	4	3	1	3,000	9	21,900	4	6,000	5	15,900	9	9	0	0
Street paving.....	35	30	13	64,287	165	480,100	73	233,083	92	246,417	147	133	14	18
Sewer, gas, water, conduit.....	20	19	13	41,220	39	53,550	15	27,040	24	26,561	28	20	3	11
Dam and reservoir.....	7	6	1	2,400	67	319,317	41	253,408	26	65,909	67	61	1	7
Waterworks.....	3	2	1	2,400	9	27,348	6	15,300	3	12,048	2	1	1	0
Dredging, river, harbor, etc.....	5	5	1	.....	63	197,472	31	112,809	32	84,666	63	57	6	7
Central station, light and power plant.....	4	1	.....	.....	27	80,074	10	46,540	11	33,525	27	20	7	0
Oil and natural gas pipe lines.....	3	2	3	0,418	20	30,588	12	12,588	8	18,000	20	15	5	0
Subcontractors.....	374	234	157	517,505	1,220	3,077,016	808	2,066,057	361	1,010,959	1,031	808	223	198
Carpentering and wood flooring.....	16	0	5	15,541	30	67,087	13	33,220	17	33,867	20	21	8	1
Concreting and stonework.....	14	0	6	14,050	28	71,685	14	30,730	14	40,855	27	22	5	1
Electrical.....	47	27	20	71,789	168	367,300	117	273,887	41	98,410	133	105	28	25
Elevator construction.....	4	.....	.....	.....	18	31,647	15	25,103	3	6,544	18	13	5	0
Heating and plumbing.....	82	51	26	95,176	308	817,094	220	562,247	88	255,447	233	175	58	75
Heating and piping ⁸	20	0	7	23,660	70	170,035	47	111,056	23	58,379	50	38	15	20
Plumbing.....	59	39	19	71,516	228	615,209	166	425,421	62	189,788	173	132	41	55
Automatic sprinkler systems.....	3	3	.....	.....	10	32,450	7	25,170	3	7,280	10	8	2	1
Masonry.....	14	16	2	8,300	12	30,485	7	16,803	5	13,682	11	10	1	0
Painting and decorating.....	34	27	13	42,581	71	164,466	47	100,627	24	65,830	63	49	14	8
Glass and glazing.....	10	.....	3	13,740	37	84,007	26	64,700	11	20,147	30	26	4	7
Plastering and lathing.....	32	28	23	76,433	41	110,993	17	34,353	24	76,040	34	24	10	7
Roofing and sheet-metal work.....	37	22	25	68,708	103	221,706	74	166,582	26	61,122	68	60	10	15
Roofing.....	24	12	10	54,088	62	128,516	45	95,210	17	39,306	58	41	12	9
Sheet-metal work.....	13	10	6	14,620	41	93,190	29	65,374	12	27,814	35	28	7	6
Steel erection.....	4	2	.....	.....	173	491,476	141	346,050	32	144,820	173	135	38	0
Marble and tiling.....	33	21	5	20,681	110	293,186	80	217,160	21	75,020	90	70	17	14
Excavating and wrecking.....	17	9	10	35,700	64	140,685	28	59,491	36	84,004	32	28	4	32
Ornamental iron.....	8	6	4	10,519	24	52,040	22	46,940	2	5,100	24	20	4	0
Street paving.....	3	1	1	6,500	7	15,500	6	13,100	1	2,400	7	7	0	0
Metal work, n. e. s.....	0	3	4	4,900	22	45,388	16	33,748	6	14,640	15	12	3	7
Flooring, n. e. s.....	7	3	2	7,164	12	27,310	10	26,610	2	6,700	12	8	4	0
Other classes ⁹	6	8	8	28,103	11	30,555	6	29,932	5	9,023	6	5	1	5
OAKLAND	145	107	46	154,773	282	733,171	199	507,044	83	225,927	251	191	60	31
Operative builders.....	5	7	.....	.....	3	5,800	1	1,200	2	4,600	3	2	1	0
General contractors.....	63	57	15	66,006	110	366,041	68	241,006	42	124,075	98	70	10	12
Building.....	46	41	13	62,106	47	95,306	31	51,574	10	43,732	44	37	7	3
Building not specialized.....	27	21	12	57,856	31	55,874	23	32,534	8	23,340	30	25	5	1
Commercial building only.....	5	0	1	4,250	12	29,032	7	16,440	5	12,502	10	8	2	2
Residential building only.....	14	14	.....	.....	4	10,400	1	2,600	3	7,800	4	4	0	0
Highway.....	5	7	.....	.....	0	40,200	5	29,400	4	10,800	0	7	2	0
Street paving.....	6	3	.....	.....	44	203,335	27	141,792	17	61,543	35	27	8	0
Sewer, gas, water, conduit.....	3	3	2	3,900	10	27,200	5	19,200	5	8,000	10	8	2	0
Other classes ¹⁰	3	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Subcontractors.....	77	43	31	88,707	169	361,330	130	264,778	39	96,552	160	110	40	10
Carpentering and wood flooring.....	4	3	5	8,306	4	7,110	2	1,920	2	5,190	4	3	1	0
Electrical.....	6	2	4	11,741	14	26,287	10	16,108	4	10,179	14	11	3	0
Heating and plumbing.....	24	15	5	14,600	47	109,093	36	79,504	11	30,489	41	29	15	6
Heating and pipe covering.....	11	5	1	1,600	31	72,221	23	48,059	8	24,162	29	18	11	2
Plumbing.....	13	10	4	13,000	16	37,772	13	31,445	3	6,327	12	8	4	4
Masonry and concreting.....	6	7	.....	.....	1	1,050	.....	.....	1	1,980	1	1	0	0
Painting and decorating ¹¹	8	5	4	8,320	12	20,379	9	13,650	3	6,720	9	7	2	3
Glass and glazing.....	3	.....	2	10,400	21	37,080	18	34,539	3	2,541	21	13	8	0
Plastering and lathing.....	5	4	2	5,200	2	8,369	1	1,240	1	3,120	2	2	0	0
Roofing and sheet-metal work.....	11	4	6	17,400	21	46,272	18	37,640	3	8,632	18	13	5	3
Roofing.....	7	2	4	12,600	18	46,264	16	35,064	2	5,200	16	11	5	2
Sheet-metal work.....	4	2	2	4,800	3	6,008	2	2,576	1	3,432	2	2	0	1
Steel erection.....	3	.....	1	5,500	18	34,800	15	23,400	3	11,400	18	16	2	0
Marble and tiling.....	4	2	2	7,300	15	31,121	12	23,028	3	7,493	11	8	3	4
Other classes ¹¹	3	1	.....	.....	14	42,957	0	34,149	5	8,808	11	10	1	3

See footnotes at end of table.

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

CLASSIFICATION OF ESTABLISHMENTS	Es- tab- lish- ments re- port- ing	PROPRIETORS AND FIRM MEMBERS			SALARIED EMPLOYEES									Sex not re- ported
		Re- ceiv- ing 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	
SAN DIEGO	100	70	38	\$123, 070	254	\$593, 713	139	\$334, 368	115	\$259, 350	238	192	44	18
General contractors ¹²	56	40	19	67, 902	152	404, 480	75	211, 696	77	192, 790	144	122	22	8
Building.....	37	33	10	31, 202	52	137, 533	31	74, 412	21	63, 171	52	39	13	-----
Building not specialized ¹²	26	20	10	31, 202	46	126, 263	26	65, 827	20	60, 436	46	34	12	-----
Residential building only.....	11	13	-----	-----	6	11, 320	5	8, 585	1	2, 735	6	5	1	-----
Highway.....	4	-----	4	12, 080	35	97, 208	17	53, 875	18	43, 333	28	24	4	7
Grading.....	3	2	-----	-----	13	38, 980	5	18, 830	8	20, 150	13	13	-----	-----
Street paving.....	3	1	4	21, 620	43	116, 192	19	58, 951	24	57, 241	42	38	4	1
Other classes ¹³	4	4	1	3, 000	9	14, 523	3	5, 628	6	8, 895	9	8	1	-----
Subcontractors.....	44	30	10	55, 768	102	189, 227	64	122, 667	38	66, 560	92	70	22	10
Concreting and masonry.....	4	8	-----	-----	4	8, 027	3	6, 124	1	1, 903	4	4	-----	-----
Electrical.....	9	2	11	30, 200	18	28, 754	15	21, 344	3	7, 410	15	10	5	3
Heating and plumbing.....	10	5	3	8, 819	27	68, 761	21	46, 832	6	16, 929	25	17	8	2
Plumbing.....	6	2	2	4, 160	20	48, 532	15	33, 583	5	14, 949	20	13	7	-----
Plumbing and heating combined.....	4	3	1	4, 659	7	15, 229	6	13, 249	1	1, 980	5	4	1	2
Painting and decorating ⁶	4	2	1	3, 600	6	12, 600	4	8, 903	2	3, 697	6	4	2	-----
Roofing and sheet metal work.....	6	5	1	4, 800	10	15, 285	8	11, 685	2	3, 000	10	9	1	-----
Steel erection ¹⁴	3	3	-----	-----	15	28, 674	3	5, 900	12	22, 714	16	13	2	-----
Marble, tiling, and plastering.....	5	2	2	6, 000	18	26, 861	8	20, 358	10	6, 603	13	10	3	5
Other classes ¹⁵	3	3	1	2, 349	4	5, 265	2	1, 461	2	3, 804	4	3	1	-----
SAN FRANCISCO	382	240	178	701, 112	1, 469	4, 552, 294	844	2, 789, 282	625	1, 783, 012	1, 265	1, 084	281	204
Operative builders.....	13	16	8	18, 080	19	54, 615	10	19, 500	9	35, 115	13	10	3	6
General contractors.....	148	108	44	229, 094	802	2, 655, 711	414	1, 508, 380	388	1, 147, 331	724	613	111	78
Building.....	94	88	30	142, 100	438	1, 400, 333	208	670, 201	230	730, 132	893	321	72	45
Building not specialized.....	63	62	25	118, 284	375	1, 225, 825	179	607, 244	196	628, 581	333	270	63	42
Commercial building only.....	8	5	1	9, 000	21	56, 580	10	24, 720	11	31, 800	21	18	3	-----
Manufacturing building only.....	3	2	1	3, 900	14	30, 825	7	11, 593	7	19, 233	14	11	3	-----
Residential building only.....	20	19	3	10, 916	28	87, 102	12	30, 044	16	50, 458	25	22	3	3
Highway.....	8	3	-----	-----	59	212, 437	29	119, 677	30	92, 760	63	48	5	6
Bridges, culvert, and railroad.....	5	2	-----	-----	63	234, 914	30	144, 780	33	90, 134	50	49	11	3
Grading.....	8	4	3	7, 280	59	201, 735	31	144, 968	28	50, 707	51	46	5	8
Street paving.....	12	6	7	44, 214	61	215, 770	39	143, 195	22	72, 675	61	53	8	-----
Waterworks.....	8	1	3	33, 000	24	52, 375	11	20, 235	13	20, 140	12	12	-----	12
Dredging, river, harbor, etc ¹⁶	11	-----	1	2, 500	99	296, 873	41	196, 815	28	70, 058	65	61	4	4
Central station, light and power plant.....	4	2	-----	-----	14	26, 540	10	17, 775	4	8, 765	14	10	4	-----
Other classes ¹⁷	3	3	-----	-----	15	44, 734	15	44, 734	-----	-----	15	13	2	-----
Subcontractors.....	221	116	126	453, 938	648	1, 841, 968	420	1, 241, 402	228	600, 566	528	411	117	120
Carpentering and wood flooring.....	10	6	14	40, 997	6	9, 532	2	600	4	8, 932	5	5	-----	1
Concreting and stonework.....	8	6	6	12, 725	16	52, 575	10	33, 990	6	18, 585	15	10	5	1
Electrical.....	28	10	22	85, 559	74	217, 746	51	163, 230	23	54, 516	66	51	15	8
Elevator construction.....	4	-----	2	11, 323	41	131, 751	24	85, 172	17	46, 679	18	13	5	23
Heating and plumbing.....	55	30	15	54, 931	174	465, 484	125	337, 345	49	120, 139	115	87	28	69
Heating and piping ⁷	20	10	5	12, 404	66	172, 588	40	137, 704	16	34, 884	51	37	14	5
Pipe covering.....	4	2	-----	-----	31	57, 115	23	34, 950	8	22, 105	14	13	1	17
Plumbing.....	22	14	8	37, 950	42	134, 215	37	118, 852	5	15, 303	31	24	7	11
Plumbing and heating combined.....	6	1	2	4, 508	25	54, 216	18	35, 069	7	19, 147	10	6	4	15
Automatic sprinkler systems.....	3	3	-----	-----	20	45, 350	7	10, 770	13	34, 580	9	7	2	11
Masonry.....	11	10	2	13, 430	16	34, 408	11	18, 786	5	15, 617	16	12	4	-----
Painting and decorating.....	20	11	19	65, 902	45	147, 603	25	93, 107	20	54, 496	41	30	11	4
Glass and glazing.....	4	-----	2	4, 800	16	30, 022	11	22, 710	5	13, 312	10	11	5	-----
Plastering and lathing.....	19	18	6	20, 425	33	86, 369	18	44, 649	15	41, 720	21	16	5	12
Roofing and sheet-metal work.....	14	6	13	45, 202	33	109, 125	29	101, 186	4	7, 939	29	20	9	4
Roofing.....	7	4	3	9, 958	11	25, 708	9	21, 420	2	4, 288	11	8	3	-----
Sheet-metal work.....	7	2	10	35, 244	22	83, 417	20	79, 766	2	3, 651	18	12	6	4
Steel erection.....	12	3	1	3, 600	66	196, 193	35	107, 823	31	88, 370	63	54	9	3
Marble and tiling.....	18	9	15	56, 838	70	209, 290	41	130, 998	29	78, 292	67	54	13	3
Excavating and wrecking.....	5	4	3	15, 939	12	31, 047	6	16, 975	6	14, 072	12	12	-----	-----
Ornamental iron ¹⁸	10	2	5	18, 067	31	82, 261	26	68, 751	5	13, 510	29	23	6	2
Other classes ¹⁹	3	1	1	4, 200	15	34, 567	6	16, 080	9	18, 487	15	13	2	-----

¹ Includes levees; air transport; and telephone line and system.
² Includes automatic temperature control.
³ Includes bridge and culvert; sewer, gas, water, conduit; waterworks; dredging, river, harbor, etc.; soundproofing; and power plant.
⁴ Includes bridges and culvert; dredging, river, harbor, etc.; and central station, light and power plant.
⁵ Includes plumbing and heating combined.
⁶ Includes flooring, n. e. s.
⁷ Includes excavating; and ornamental iron.
⁸ Includes pipe covering; and plumbing and heating combined.
⁹ Includes sewer, gas, water, conduit; waterworks; sound proofing; and power plant.
¹⁰ Includes bridge and culvert; and dredging, river, harbor, etc.
¹¹ Includes excavating; ornamental iron; and grading.
¹² Includes operative builders.
¹³ Includes bridge and culvert; sewer, gas, water, conduit; and railroad.
¹⁴ Includes ornamental iron.
¹⁵ Includes glass and glazing; excavating; and sewer, gas, water, conduit.
¹⁶ Includes levee.
¹⁷ Includes dam and reservoir; and foundation.
¹⁸ Includes metal work, n. e. s.
¹⁹ Includes grading; dredging river, harbor, etc.; and flooring, n. e. s.

CONSTRUCTION—CALIFORNIA

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		
LOS ANGELES—Con.						SAN DIEGO—Continued.					
<i>Percentage of equipment owned—Continued</i>						<i>Percentage of equipment owned</i>					
Subcontractors.....	330	\$529,152	\$2,521,181	\$42,887,989	\$11,670,250	General contractors ⁴	50	\$336,166	\$969,416	\$13,515,935	\$2,061,675
None.....	18	—	—	2,780,511	652,737	None.....	5	—	—	272,030	20,220
1% to 25%.....	1	250	1,330	55,951	25,030	1% to 25%.....	1	300	—	40,000	0,000
26% to 50%.....	2	50,693	172,831	513,892	152,205	26% to 50%.....	1	310	425	130,183	22,222
51% to 75%.....	10	23,278	65,086	771,961	191,194	51% to 75%.....	12	9,307	44,355	883,250	130,540
76% to 99%.....	20	80,785	430,325	7,368,681	2,378,974	76% to 99%.....	12	123,269	483,577	6,027,578	1,010,103
100%.....	262	362,627	1,825,307	30,727,298	8,138,303	100%.....	20	121,662	393,497	5,353,705	782,614
Not reported.....	8	11,513	26,302	679,700	131,216	Not reported.....	4	81,267	47,562	739,313	71,967
OAKLAND.....	130	275,587	1,384,682	16,283,850	3,092,175	Subcontractors.....	41	50,770	237,335	3,320,505	830,780
<i>Classification of establishments</i>						<i>Classification of establishments</i>					
Operative builders.....	0	1,250	2,032	475,544	39,757	None.....	1	—	—	67,187	10,926
General contractors.....	60	106,954	841,471	9,760,088	1,684,144	1% to 25%.....	—	—	—	—	—
Building.....	44	17,911	95,935	5,271,490	817,026	26% to 50%.....	—	—	—	—	—
Building not specialized.....	26	14,112	68,843	3,517,455	566,024	51% to 75%.....	2	3,000	9,135	192,090	44,740
Commercial building only.....	5	1,579	12,999	788,971	138,238	76% to 99%.....	36	44,401	219,478	2,730,194	676,311
Residential building only.....	13	2,220	14,093	904,883	112,764	100%.....	2	3,309	8,722	341,028	98,800
Highway.....	5	64,824	341,708	1,107,465	280,892	Not reported.....	—	—	—	—	—
Street paving.....	5	66,203	304,629	2,142,200	402,832	SAN FRANCISCO.....	338	2,232,989	7,914,927	108,604,549	20,379,156
Sewer, gas, water, conduit.....	3	15,166	42,000	632,305	104,442	<i>Classification of establishments</i>					
Other classes ¹²	3	2,850	57,239	606,529	69,762	Operative builders.....	10	1,400	7,475	2,821,200	172,458
Subcontractors.....	64	107,383	540,270	6,048,227	1,368,274	General contractors.....	134	1,864,107	6,078,078	76,786,315	12,407,221
Carpentering and wood flooring.....	3	322	3,980	283,705	81,152	Building.....	86	103,962	484,043	54,617,840	6,919,244
Electrical.....	5	5,185	17,282	412,827	94,400	Building not specialized.....	55	92,662	414,556	50,564,572	6,087,202
Heating and plumbing.....	21	7,228	77,996	2,169,377	419,640	Commercial building only.....	9	1,900	27,748	1,355,570	319,101
Heating and pipe covering.....	10	2,499	44,905	980,149	180,805	Manufacturing building only.....	3	7,434	9,611	453,262	143,330
Plumbing.....	11	4,759	33,091	1,129,228	239,341	Residential building only.....	19	1,936	33,028	2,244,430	369,512
Masonry and concreting.....	0	1,364	14,920	246,225	74,904	Highway.....	8	169,241	604,629	3,329,867	507,383
Painting and decorating.....	8	7,032	23,519	327,177	141,314	Bridge, culvert, and railroad.....	5	614,190	429,166	6,370,912	1,988,872
Plastering and lathing.....	4	3,450	11,414	215,523	79,477	Grading.....	5	268,584	1,000,506	1,554,829	533,205
Roofing and sheet-metal work.....	10	12,800	49,600	627,692	139,041	Street paving.....	11	209,083	765,888	4,199,132	797,232
Roofing.....	7	10,797	33,105	455,244	89,893	Waterworks.....	3	88,430	107,387	1,081,150	300,034
Sheet-metal work.....	3	2,003	16,495	172,448	49,068	Dredging, river, harbor, etc. ¹⁷	9	362,487	2,480,700	3,079,747	793,130
Other classes ¹³	7	69,932	341,595	1,825,701	338,271	Central station, light and power plant.....	4	7,510	23,016	546,986	122,745
<i>Percentage of equipment owned</i>						<i>Percentage of equipment owned</i>					
General contractors ⁴	66	163,204	844,403	10,235,632	1,723,901	Other classes ¹⁸	3	40,615	115,877	1,505,840	265,277
None.....	1	—	—	819,780	91,865	Subcontractors.....	189	367,482	1,834,374	20,056,944	7,709,477
1% to 25%.....	1	150	1,000	164,078	21,619	Carpentering and wood flooring.....	10	2,860	28,337	665,068	132,008
26% to 50%.....	1	2,643	14,500	84,544	2,139	Concreting.....	0	4,429	17,065	454,238	144,621
51% to 75%.....	1	20,000	100,000	500,000	122,138	Electrical.....	25	5,947	78,338	2,276,176	600,522
76% to 99%.....	7	52,897	302,181	2,087,704	803,982	Elevator construction.....	3	21,589	69,066	4,633,001	620,796
100%.....	47	91,864	425,282	6,345,726	1,143,298	Heating and plumbing.....	45	32,556	235,570	7,616,457	1,863,877
Not reported.....	3	50	1,440	203,800	38,860	Heating and piping ¹	16	7,772	97,848	2,565,000	631,111
Subcontractors.....	64	107,383	540,270	6,048,227	1,368,274	Pipe covering.....	2	4,826	9,909	523,684	155,191
None.....	3	—	—	247,913	62,558	Plumbing.....	10	9,471	53,104	2,530,926	638,217
1% to 25%.....	1	850	500	51,429	20,096	Plumbing and heating combined.....	0	8,928	44,280	965,707	247,023
26% to 50%.....	1	494	3,500	30,428	6,288	Automatic sprinkler system.....	3	6,699	30,429	930,534	187,335
51% to 75%.....	7	35,453	110,262	748,044	171,376	Masonry.....	10	8,946	65,200	936,042	310,663
76% to 99%.....	52	71,116	420,017	4,970,413	1,098,387	Painting and decorating ⁷	21	25,451	53,753	1,876,514	1,001,668
Not reported.....	—	—	—	—	—	Glass and glazing.....	3	700	7,547	301,000	48,092
SAN DIEGO.....	91	386,935	1,206,751	16,836,440	2,892,461	Plastering and lathing.....	16	8,464	47,665	2,029,979	937,555
<i>Classification of establishments</i>						<i>Classification of establishments</i>					
General contractors ⁴	50	336,166	969,416	13,515,935	2,061,675	Roofing and sheet-metal work.....	9	26,112	110,628	1,204,912	386,210
Building.....	32	16,858	70,745	3,569,121	618,636	Roofing.....	3	125	3,280	137,180	27,367
Building not specialized.....	23	14,808	69,095	2,979,208	521,525	Sheet-metal work.....	6	25,987	107,346	1,097,732	358,843
Residential building only.....	9	1,550	10,140	539,916	97,111	Steel erection.....	12	50,029	530,168	3,030,804	997,268
Highway.....	4	108,021	271,347	3,249,583	858,495	Marble and tiling.....	14	11,696	131,832	1,982,524	520,731
Street paving.....	8	110,024	487,015	5,687,736	931,066	Excavating and wrecking.....	5	112,150	232,673	391,529	141,337
Other classes ¹⁴	6	101,762	131,309	1,009,495	162,898	Ornamental iron ¹⁵	7	11,821	57,907	1,304,313	259,931
Subcontractors.....	41	50,770	237,335	3,320,505	830,780	Other classes ¹⁶	3	35,883	168,538	448,333	118,920
Concreting and masonry.....	3	900	55,000	265,100	89,191	<i>Percentage of equipment owned</i>					
Electrical.....	8	1,401	22,271	398,829	104,022	General contractors ⁴	144	1,865,507	6,080,553	79,607,605	12,579,679
Heating and plumbing.....	10	8,732	38,805	1,068,926	222,516	None.....	18	—	—	4,017,210	204,220
Plumbing.....	6	3,763	17,439	655,314	133,331	1% to 25%.....	2	2,500	151	618,806	104,501
Plumbing and heating combined.....	4	4,099	21,366	413,612	89,185	26% to 50%.....	—	—	—	—	—
Painting and decorating ⁷	4	730	6,124	204,105	75,414	51% to 75%.....	5	8,100	30,565	1,448,902	294,245
Roofing and sheet-metal work.....	5	2,348	12,542	326,223	80,323	76% to 99%.....	32	1,155,305	1,632,205	41,270,790	6,538,006
Steel erection ¹⁵	3	2,835	31,111	376,283	100,928	100%.....	75	587,676	4,164,307	27,272,817	4,406,953
Marble, tiling, and plastering.....	3	3,600	13,069	493,335	109,800	Not reported.....	12	116,900	203,325	4,979,680	881,764
Other classes ¹⁶	3	30,224	48,413	187,704	47,692	Subcontractors.....	189	367,482	1,834,374	20,056,944	7,709,477
<i>Percentage of equipment owned</i>						<i>Percentage of equipment owned</i>					
General contractors ⁴	50	336,166	969,416	13,515,935	2,061,675	None.....	13	—	—	1,428,794	397,127
None.....	18	—	—	819,780	91,865	1% to 25%.....	—	—	—	—	—
1% to 25%.....	1	150	1,000	164,078	21,619	26% to 50%.....	1	21,443	68,000	103,594	29,978
26% to 50%.....	1	2,643	14,500	84,544	2,139	51% to 75%.....	13	124,802	207,420	1,235,632	465,102
51% to 75%.....	1	20,000	100,000	500,000	122,138	76% to 99%.....	159	218,902	1,546,719	25,942,038	6,806,624
76% to 99%.....	7	52,897	302,181	2,087,704	803,982	Not reported.....	3	2,245	11,335	346,986	100,640
100%.....	47	91,864	425,282	6,345,726	1,143,298	<i>Footnote 1: Includes levee; air transport work; and telephone line and system.</i>					
Not reported.....	3	50	1,440	203,800	38,860	<i>Footnote 2: Includes automatic temperature control.</i>					
Subcontractors.....	64	107,383	540,270	6,048,227	1,368,274	<i>Footnote 3: Includes bridge and culvert; sewer, gas, water, conduit; waterworks; dredging, river, harbor, etc.; soundproofing; power plant; and rental of equipment, trucking, etc.</i>					
None.....	3	—	—	247,913	62,558	<i>Footnote 4: Includes operative builders.</i>					
1% to 25%.....	1	850	500	51,429	20,096	<i>Footnote 5: Includes bridge and culvert; dredging, river, harbor, etc.; and central station, light and power plant.</i>					
26% to 50%.....	1	494	3,500	30,428	6,288	<i>Footnote 6: Includes plumbing and heating combined.</i>					
51% to 75%.....	7	35,453	110,262	748,044	171,376	<i>Footnote 7: Includes flooring, n. e. s.</i>					
76% to 99%.....	52	71,116	420,017	4,970,413	1,098,387	<i>Footnote 8: Includes excavating; and ornamental iron.</i>					
Not reported.....	—	—	—	—	—	<i>Footnote 9: Includes oil and natural gas pipe line; and grading.</i>					
SAN FRANCISCO.....	338	2,232,989	7,914,927	108,604,549	20,379,156	<i>Footnote 10: Includes pipe covering; and plumbing and heating combined.</i>					
<i>Classification of establishments</i>						<i>Classification of establishments</i>					

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

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 dur-ing year
		Janu-ary	Febru-ary	March	April	May	June	July	August	Sep-tember	Octo-ber	Novem-ber	Decem-ber	
CALIFORNIA	2,380	40,649	41,638	43,703	47,097	49,503	51,004	54,892	55,153	53,280	53,104	49,026	44,158	881,882,918
<i>Classification of establishments</i>														
Operative builders.....	30	198	204	260	339	327	359	519	504	399	319	332	201	564,128
General contractors.....	1,182	25,728	26,706	28,058	30,000	32,256	33,833	36,125	36,504	35,462	31,773	27,502	27,502	40,478,151
Building.....	853	11,841	12,810	13,990	16,537	17,302	18,015	18,207	18,245	18,048	17,924	16,018	15,191	26,425,650
Building not specialized.....	580	6,679	10,525	11,072	14,061	14,562	15,153	15,204	15,181	14,917	14,849	13,917	12,835	21,774,183
Commercial building only.....	44	680	690	632	678	779	871	934	1,010	1,051	1,069	718	670	1,404,794
Manufacturing building only.....	7	135	165	126	103	107	204	330	362	412	372	301	253	457,875
Residential building only.....	222	1,347	1,430	1,506	1,745	1,774	1,727	1,769	1,692	1,608	1,634	1,502	1,424	2,728,798
Highway.....	81	2,480	2,556	2,701	2,918	3,150	3,357	4,124	4,210	4,000	4,239	3,849	2,099	4,943,014
Bridges and culvert.....	25	1,970	1,787	1,741	1,625	1,701	1,776	1,927	1,655	1,531	1,082	911	665	2,830,062
Grading.....	27	555	580	579	680	853	916	1,093	1,237	1,143	965	912	553	1,180,421
Street paving.....	96	4,845	4,477	4,213	4,460	4,821	5,304	6,213	6,441	6,446	6,982	6,281	5,290	7,838,430
Sewer, gas, water, conduit.....	33	933	553	502	503	528	530	585	794	920	755	504	610	940,611
Dam and reservoir.....	21	1,401	1,808	1,909	1,413	1,375	1,253	1,317	1,303	1,274	1,162	747	640	1,897,382
Waterworks.....	5	154	181	202	160	166	261	216	215	206	367	377	344	424,865
Dredging, river, harbor, etc.....	15	1,207	1,037	1,216	1,334	1,405	1,320	1,257	1,226	917	911	751	623	1,578,111
Railroad.....	5	135	276	402	368	155	178	205	256	181	183	176	159	869,151
Foundation.....	4	32	39	39	37	45	62	89	80	88	84	48	37	71,022
Central station, light and power plant.....	9	222	239	253	223	226	265	242	229	194	251	251	263	460,907
Oil and natural gas pipe line.....	4	151	163	103	99	108	174	227	362	280	323	134	92	418,005
Other classes ¹	4	102	90	82	23	22	33	33	45	42	128	204	131	92,491
Subcontractors.....	1,108	14,723	14,728	15,376	16,158	16,920	17,502	18,248	18,145	17,419	17,461	16,821	16,365	31,840,639
Carpentering and wood flooring.....	45	476	488	540	578	594	648	643	619	571	515	471	471	1,043,334
Concreting.....	35	550	589	556	484	431	463	683	655	500	512	512	535	905,210
Electrical.....	181	1,613	1,007	1,033	1,702	1,831	1,880	1,939	1,900	1,846	1,685	1,066	1,062	3,399,948
Elevator construction.....	9	250	260	260	280	278	293	275	280	280	295	299	300	775,791
Heating and plumbing.....	319	3,743	3,580	3,813	4,007	4,109	4,406	4,507	4,412	4,187	4,323	4,268	4,480	7,938,170
Heating and piping ²	67	893	837	860	819	801	804	791	828	878	903	1,028	1,028	1,779,013
Pipe covering.....	7	106	123	115	112	97	94	93	141	128	138	147	195	248,122
Plumbing.....	215	2,216	2,170	2,340	2,537	2,687	2,880	2,880	2,841	2,603	2,682	2,453	2,592	5,041,773
Plumbing and heating combined.....	21	412	319	363	372	398	416	495	411	393	435	431	414	717,475
Automatic sprinkler systems.....	9	122	122	122	167	186	203	220	191	185	215	209	207	364,882
Masonry.....	52	629	636	623	739	813	810	792	816	802	907	607	740	1,391,069
Painting and decorating.....	88	1,208	1,205	1,420	1,566	1,759	1,614	1,747	1,962	1,909	1,824	1,604	1,408	3,231,503
Glass and glazing.....	23	179	175	204	200	181	198	210	211	209	217	193	193	420,591
Plastering and lathing.....	81	1,233	1,289	1,351	1,387	1,458	1,520	1,787	1,691	1,385	1,310	1,351	1,439	3,237,883
Roofing and sheet-metal work.....	118	1,106	1,097	1,083	1,095	1,076	1,223	1,202	1,236	1,326	1,373	1,389	1,200	2,119,127
Roofing.....	74	647	634	623	617	573	606	638	677	779	788	797	678	1,143,445
Sheet metal work.....	44	459	463	460	478	503	617	564	559	547	585	592	612	975,682
Steel erection.....	24	700	715	661	661	747	747	769	781	799	840	721	605	1,846,822
Stone work.....	6	109	117	111	121	135	142	146	151	159	165	161	168	167,287
Marble and tiling.....	84	1,307	1,246	1,312	1,277	1,385	1,401	1,401	1,489	1,431	1,308	1,347	1,347	2,879,038
Wrecking.....	3	48	57	55	60	57	55	65	48	36	66	44	44	73,787
Excavating.....	31	554	698	774	847	888	974	998	830	758	812	710	603	1,404,383
Ornamental iron.....	23	301	298	300	298	296	288	294	278	290	287	287	284	500,615
Grading.....	5	83	64	112	160	132	104	142	131	152	209	162	174	142,366
Street paving and highway.....	6	86	114	103	159	184	227	238	119	119	162	150	124	217,822
Metal work, n. e. s.....	11	133	137	140	175	166	174	185	175	173	157	126	130	204,272
Flooring, n. e. s.....	15	112	117	126	110	123	130	154	151	120	130	127	148	233,545
Other classes ³	9	153	137	133	153	239	193	199	178	190	188	129	145	283,226
<i>Length of working week</i>														
General contractors ⁴	1,212	25,926	26,910	28,327	30,930	32,583	34,192	36,644	37,008	35,861	35,643	32,105	27,793	50,042,279
40-hour, 5-day week.....	125	1,494	1,529	1,797	2,112	2,062	2,021	2,053	2,073	1,949	1,810	1,763	1,524	3,057,367
45-hour, 5-day week.....	2													14,389
60-hour, 5-day week.....	5	157	205	167	154	140	137	183	152	117	133	106	137	228,480
All other 5-day week.....	532	7,907	8,476	9,138	10,120	10,550	11,102	11,644	11,381	11,448	10,566	9,535	8,753	10,886,048
40½-hour, 5½-day week.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1,394
55-hour, 5½-day week.....	12	406	453	428	510	475	510	480	461	478	462	411	410	724,903
All other 5½-day week.....	430	12,973	12,782	13,297	14,505	15,538	16,362	18,309	18,881	18,223	18,877	17,370	14,351	23,257,271
48-hour, 6-day week.....	20	277	265	371	398	522	471	445	364	381	481	307	317	545,735
54-hour, 6-day week.....	2	40	47	50	44	45	46	59	43	43	56	64	64	97,290
60-hour, 6-day week.....	17	565	602	655	763	854	910	917	750	545	427	381	337	1,130,538
All other 6-day week.....	51	1,853	2,278	2,207	2,170	2,257	2,439	2,193	2,613	2,472	2,505	1,957	1,769	3,827,724
All other not designated.....	15	154	162	153	146	132	178	302	269	198	228	190	135	241,240
Not reported.....														
Subcontractors.....	1,168	14,723	14,728	15,376	16,158	16,920	17,502	18,248	18,145	17,419	17,461	16,821	16,365	31,840,639
40-hour, 5-day week.....	200	2,549	2,627	2,510	2,705	3,000	2,963	3,249	3,131	2,930	2,946	2,892	2,979	5,984,762
45-hour, 5-day week.....	1	5	7	19	13	11	18	36	30	15	16	9	8	15,366
60-hour, 5-day week.....	7	104	105	116	108	107	99	97	109	117	127	104	113	187,385
All other 5-day week.....	600	8,248	8,014	8,480	8,874	9,171	9,528	9,765	9,652	9,556	9,102	8,158	9,102	17,045,383
40½-hour, 5½-day week.....	1	8	14	13	9	9	11	15	17	14	8	13	13	21,890
49½-hour, 5½-day week.....	1	4	5	6	5	5	3	3	3	3	4	3	3	7,678
55-hour, 5½-day week.....	83	365	343	346	347	331	334	314	351	374	349	333	325	597,111
All other 5½-day week.....	265	2,582	2,641	2,784	2,916	3,010	3,259	3,437	3,290	3,263	3,247	3,004	2,957	5,140,044
48-hour, 6-day week.....	15	345	322	334	358	414	350	310	373	373	373	339	329	604,938
54-hour, 6-day week.....														
60-hour, 6-day week.....	20	147	118	138	121	120	146	104	159	15				

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 16TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY												Wages paid during year
		January	February	March	April	May	June	July	August	September	October	November	December	
LONG BEACH	97	1,215	1,211	1,219	1,346	1,402	1,473	1,507	1,595	1,432	1,214	1,111	1,031	\$2,049,253
General contractors	55	826	804	802	889	891	924	1,014	1,043	946	793	718	648	1,194,370
Building.....	48	630	538	519	605	600	628	634	551	502	443	345	345	782,835
Building not specialized.....	27	442	468	429	515	465	513	454	512	442	411	341	283	626,860
Commercial building only.....	3	16	12	15	7	15	12	17	14	7	22	14	25	25,033
Residential building only.....	18	72	58	75	83	120	103	90	108	102	91	80	93	130,042
Street paving and highway.....	4	144	96	103	174	186	157	323	317	312	229	235	248	275,600
Other classes.....	3	152	170	180	110	105	139	121	92	83	32	40	55	135,935
Subcontractors	42	389	407	417	457	511	549	553	552	480	451	393	403	854,883
Carpentering and wood flooring.....	4	32	42	43	53	66	44	52	50	43	45	34	27	92,137
Electrical.....	6	45	51	55	48	55	66	65	45	57	51	53	50	85,726
Heating and plumbing.....	12	78	98	94	104	123	108	98	128	103	113	98	98	228,287
Heating and piping.....	3	29	50	40	40	52	37	36	50	41	64	34	42	105,977
Plumbing.....	9	49	48	54	64	71	71	62	69	62	49	59	50	122,310
Masonry and concreting.....	3	26	38	44	42	46	85	96	80	46	38	32	53	93,384
Painting and decorating.....	3	28	24	31	38	32	36	35	25	27	31	29	26	53,427
Plastering and lathing.....	3	27	18	15	38	45	44	66	60	62	48	22	20	80,666
Roofing and sheet-metal work.....	5	47	35	39	41	36	36	36	37	41	44	41	31	68,400
Marble and tiling.....	3	62	66	54	51	65	94	79	97	74	54	58	67	121,573
Other classes.....	3	44	35	42	42	43	36	33	30	33	27	31	32	52,384
<i>Length of working week*</i>														
General contractors	55	826	804	802	889	891	924	1,014	1,043	946	793	718	648	1,194,370
40-hour, 5-day week.....	1	25	60	60	85	74	64	60	20	18	25	14	14	45,113
44-hour, 5½-day week.....	35	419	434	402	367	411	435	439	433	349	301	298	281	649,269
48-hour, 6-day week.....	16	362	317	330	374	348	330	454	444	480	368	354	334	506,183
All other 6-day week.....	1	4	4	4	10	10	14	14	12	8	12	20	20	9,370
All other not designated.....	1	41	23	6	78	37	63	42	94	89	64	21	20	82,635
Not reported.....	1						8							1,800
Subcontractors	42	389	407	417	457	511	549	553	552	480	451	393	403	854,883
40-hour, 5-day week.....	3	25	18	17	23	24	26	35	26	41	32	19	20	75,509
44-hour, 5½-day week.....	24	231	251	272	298	329	400	377	376	317	291	241	240	519,179
All other 5½-day week.....	1								12	10	10	6	14	6,115
48-hour, 6-day week.....	12	107	101	96	108	110	90	109	85	78	80	88	81	159,890
All other not designated.....	2	25	37	32	28	48	33	32	53	40	62	30	39	94,190
LOS ANGELES	660	15,904	16,598	17,804	18,773	19,928	20,180	21,321	21,621	19,970	19,729	17,884	16,784	30,773,686
<i>Classification of establishments</i>														
Operative builders	7	20	23	79	118	124	107	229	251	170	108	105	101	220,264
General contractors	301	10,465	11,202	11,863	12,505	13,017	13,047	14,033	13,973	12,869	13,140	11,098	10,404	18,487,239
Building.....	213	4,182	4,928	5,539	6,809	7,224	7,173	7,361	7,422	6,936	6,876	6,115	5,446	10,019,957
Building not specialized.....	146	3,407	4,177	4,787	6,082	6,375	6,377	6,380	6,303	5,900	5,790	5,222	4,676	8,487,827
Commercial building only.....	19	373	389	361	359	427	413	500	604	694	662	400	445	583,015
Residential building only.....	48	312	362	391	431	422	383	411	413	402	423	403	325	645,115
Highway.....	12	600	643	574	539	503	503	580	573	547	574	511	379	873,510
Bridge, culvert, and railroad.....	8	513	448	474	407	366	404	515	410	207	310	330	335	629,061
Grading.....	3	111	120	117	96	108	97	80	142	144	96	79	70	75,131
Street paving.....	31	2,785	2,492	2,469	2,288	2,484	2,079	2,950	3,061	2,048	3,477	3,411	3,105	3,899,705
Sewer, gas, water, conduit.....	13	313	225	302	370	510	525	524	406	508	408	283	331	440,710
Dam, reservoir, and waterworks.....	10	1,172	1,650	1,664	1,185	1,095	983	1,035	952	870	775	426	321	1,369,547
Dredging, river, harbor, etc.....	4	550	410	486	468	479	373	683	685	324	353	229	261	592,653
Central station, light and power plant.....	4	147	129	141	127	146	151	154	151	133	144	156	167	284,768
Oil and natural gas pipe line.....	3	80	157	97	96	102	129	172	162	136	128	118	89	266,297
Subcontractors	352	5,419	5,873	5,862	6,150	6,787	7,006	7,559	7,397	6,831	6,481	6,111	6,189	12,071,183
Carpentering and wood flooring.....	14	205	207	241	268	266	260	283	312	286	257	257	244	498,262
Concreting and stonework.....	11	244	303	373	216	200	174	269	298	247	226	247	327	481,601
Electrical.....	45	645	598	625	683	772	707	793	768	772	616	586	597	1,277,351
Elevator construction.....	4	41	47	48	57	46	52	45	41	42	43	41	35	70,844
Heating and plumbing.....	82	1,121	1,115	1,284	1,436	1,524	1,738	1,840	1,692	1,525	1,477	1,388	1,600	2,604,713
Heating and piping.....	21	172	188	234	232	255	270	312	289	280	340	354	391	530,323
Plumbing.....	57	906	880	1,017	1,177	1,217	1,371	1,436	1,334	1,164	1,066	935	1,108	2,021,242
Automatic sprinkler systems.....	4	43	47	33	27	52	97	92	69	75	71	99	91	145,148
Masonry.....	12	299	265	248	288	313	298	322	292	350	415	359	310	588,090
Painting and decorating.....	32	547	571	610	613	638	580	636	733	710	639	620	658	1,274,320
Glass and glazing.....	10	72	68	78	69	66	73	76	76	78	82	81	81	155,790
Plastering and lathing.....	28	498	466	463	515	658	686	802	624	672	547	610	581	1,315,806
Roofing and sheet-metal work.....	37	376	374	387	392	372	416	454	493	409	522	532	484	749,266
Roofing.....	24	256	251	272	267	230	254	283	298	348	350	304	302	487,591
Sheet-metal work.....	13	120	123	115	125	133	162	171	165	151	172	168	182	261,675
Steel erection.....	3	167	123	147	139	207	152	163	215	171	140	115	87	190,790
Marble and tiling.....	29	536	414	509	445	515	575	627	622	627	585	546	541	990,090
Excavating and wrecking.....	16	271	426	508	580	615	694	690	501	446	511	378	268	1,076,334
Ornamental iron.....	7	114	101	103	100	98	80	72	73	75	88	84	75	152,438
Street paving.....	3	48	86	125	132	129	170	171	62	40	66	79	74	145,619
Metal work, n. e. s.....	8	97	93	89	115	99	104	137	130	112	100	78	80	154,054
Flooring, n. e. s.....	7	56	53	57	47	54	60	68	68	69	59	67	79	122,075
Other classes.....	4	87	58	63	65	172	112	80	118	110	108	43	78	118,921
<i>Length of working week*</i>														
General contractors	308	10,485	11,225	11,942	12,628	13,141	13,154	14,262	14,224	13,139	13,248	11,773	10,595	18,707,593
40-hour, 5-day week.....	1	8	8	4	18	23	15	28	15	11	50	26	23	34,221
All other 5-day week.....	1	125	167	120	102	76	58	101	89	66	88	68	65	154,566
44-hour, 5½-day week.....	117	1,285	1,634	2,021	2,559	2,597	2,605	2,760	2,771	2,586	2,258	1,875	1,774	3,322,904
All other 5½-day week.....	2	10	17	17	19	19	16	20	9	9	21	21	21	32,599
48-hour, 6-day week.....	150	7,047	6,807	7,272	7,627	8,068	8,088	9,040	9,240	8,587	8,883	8,324	7,354	11,560,508
54-hour, 6-day week.....	5	101	103	116	107	116	102	148	134	179	307	167	144	234,045
60-hour, 6-day week.....	1	36												

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TABLE 7.—WAGE EARNERS BY MONTHS, AND WAGES PAID DURING 1920—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 dur-ing year
		Janu-ary	Febru-ary	March	April	May	June	July	August	Sep-tember	Octo-ber	Novem-ber	Decem-ber	
LOS ANGELES—Continued.														
<i>Length of working week—Continued</i>														
Subcontractors.....	352	5,419	5,373	5,862	6,150	6,787	7,096	7,559	7,397	6,831	6,481	6,111	6,180	\$12,071,183
40-hour, 5-day week.....	26	611	529	531	576	741	753	919	930	751	639	689	653	1,420,256
All other 5-day week.....	2	35	33	33	32	34	32	30	32	40	39	40	20	51,000
44-hour, 5½-day week.....	174	2,784	2,094	2,991	3,183	3,417	3,536	3,785	3,820	3,543	3,380	3,295	3,459	6,235,574
All other 5½-day week.....	19	287	259	269	255	253	245	246	247	256	255	241	246	446,126
48-hour, 6-day week.....	100	1,233	1,281	1,308	1,366	1,498	1,648	1,784	1,640	1,598	1,402	1,323	1,377	2,571,660
54-hour, 6-day week.....	9	244	223	215	210	200	200	193	269	239	233	214	185	209,602
All other 6-day week.....	14	121	96	112	92	91	108	127	118	123	123	131	129	243,283
All other not designated.....	4	47	106	285	392	443	440	438	296	265	207	131	72	707,031
Not reported.....	4	49	57	58	34	30	40	32	30	31	53	47	39	95,761
OAKLAND.....	128	1,714	1,585	1,674	1,806	2,138	2,385	2,468	2,631	2,732	2,865	2,169	1,939	3,003,559
<i>Classification of establishments</i>														
Operative builders.....	4	15	15	18	28	30	40	30	27	36	18	30	35	30,757
General contractors.....	54	798	997	732	965	1,165	1,340	1,475	1,514	1,691	1,721	1,106	880	1,720,844
Building.....	39	337	341	351	441	531	593	521	488	519	603	390	345	784,482
Building not specialized.....	20	253	245	275	338	396	370	372	355	327	377	207	248	592,610
Commercial building only.....	4	58	61	31	66	91	141	94	77	147	187	61	65	138,238
Residential building only.....	11	26	35	45	37	45	42	55	56	45	44	32	32	83,634
Highway.....	4	50	63	42	80	120	173	270	245	234	271	184	105	203,303
Street paving.....	6	355	293	315	402	454	532	559	652	717	761	402	343	598,202
Other classes ¹⁰	5	47	43	24	30	69	88	125	129	121	81	70	53	143,707
Subcontractors.....	70	901	873	924	873	937	999	987	1,090	1,105	1,150	1,063	1,018	1,834,358
Carpentering and wood flooring.....	4	48	59	41	40	53	70	64	51	47	59	36	28	93,380
Electrical.....	6	35	54	50	58	47	45	48	42	40	40	54	53	99,137
Heating and plumbing.....	21	221	202	225	215	255	237	221	271	243	252	310	207	484,815
Heating and pipe covering.....	10	127	102	103	98	94	105	113	122	120	131	107	156	232,044
Plumbing.....	11	94	100	120	117	161	132	108	149	117	121	143	141	252,771
Masonry and concreting.....	6	37	43	53	39	44	64	40	38	53	53	36	94	74,904
Painting and decorating ¹¹	6	44	47	59	57	60	72	62	70	58	57	65	41	95,784
Glass and glazing.....	4	51	45	63	62	47	51	51	52	58	54	61	38	123,098
Plastering and lathing.....	4	28	28	51	34	25	33	34	40	42	23	14	15	68,951
Roofing and sheet-metal work.....	11	30	75	70	77	81	91	85	80	105	107	106	92	160,898
Roofing.....	4	44	43	40	44	46	46	45	50	60	61	58	40	89,893
Sheet-metal work.....	7	36	32	30	33	35	45	40	39	45	40	48	46	71,095
Steel erection ¹⁴	3	120	136	85	74	90	106	124	159	162	162	82	65	210,939
Marble and tiling.....	3	97	107	92	69	92	115	137	133	145	108	125	125	234,371
Other classes ¹²	3	130	97	140	148	143	158	161	167	161	201	170	170	180,051
<i>Length of working week *</i>														
General contractors ⁴	58	813	712	750	993	1,201	1,380	1,511	1,541	1,627	1,739	1,130	921	1,740,401
40-hour, 5-day week.....	3	6	4	8	6	23	32	34	23	31	17	20	34	27,331
44-hour, 5½-day week.....	35	394	321	319	413	474	518	504	475	509	570	361	293	761,657
48-hour, 6-day week.....	14	444	350	374	513	605	774	903	966	1,022	1,083	533	533	880,740
All other not designated.....	6	20	31	40	56	90	90	65	77	65	60	63	61	99,873
Subcontractors.....	70	901	873	924	873	937	999	987	1,090	1,105	1,150	1,063	1,018	1,834,358
40-hour, 5-day week.....	13	110	101	130	114	127	124	118	120	141	141	127	153	284,641
All other 5-day week.....	2	44	35	53	50	48	42	40	54	64	67	45	65	90,538
44-hour, 5½-day week.....	46	578	553	570	533	593	642	639	716	708	714	670	613	1,222,204
All other 5½-day week.....	1	2	2	2	3	3	7	3	2	3	3	2	1	6,055
48-hour, 6-day week.....	5	120	97	123	119	114	129	132	133	136	105	166	142	178,407
54-hour, 6-day week.....	1	34	18	38	46	44	42	37	37	38	40	40	30	31,111
All other not designated.....	2	7	7	8	9	8	13	27	23	26	17	13	8	20,802
SAN DIEGO.....	94	1,715	1,759	1,781	1,924	1,601	1,951	2,372	2,296	2,395	2,354	2,413	2,118	2,526,778
<i>Classification of establishments</i>														
General contractors.....	50	1,117	1,258	1,240	1,376	1,374	1,381	1,758	1,784	1,774	1,713	1,691	1,316	1,960,911
Building.....	32	210	260	325	305	390	402	420	393	400	452	432	377	631,232
Building not specialized.....	23	177	225	276	343	395	416	364	327	314	363	341	320	538,727
Residential building only.....	4	33	35	49	52	34	46	56	60	80	80	91	48	92,605
Highway.....	4	220	311	352	313	406	328	348	290	297	232	292	212	358,485
Grading.....	3	76	53	23	44	67	71	280	312	280	237	294	122	138,743
Street paving.....	7	550	578	483	534	420	456	609	746	720	735	613	571	745,814
Other classes ¹³	4	62	56	57	85	73	64	41	37	65	54	60	34	95,637
Subcontractors.....	44	598	501	541	548	527	570	614	512	591	641	722	802	950,867
Concreting and masonry.....	4	68	77	63	77	66	68	80	91	80	71	85	49	97,445
Electrical.....	9	79	66	64	67	65	60	55	56	60	68	72	79	114,062
Heating and plumbing.....	10	222	183	141	132	143	165	213	129	149	158	166	150	222,516
Plumbing.....	6	79	78	69	66	66	67	75	69	69	81	78	68	133,331
Plumbing and heating combined.....	4	143	55	72	66	77	98	68	63	63	77	88	85	89,185
Painting and decorating ¹⁴	3	19	21	32	34	22	16	12	9	16	11	36	35	62,656
Roofing and sheet-metal work.....	6	59	54	51	50	50	55	59	57	60	68	72	65	91,168
Steel erection ¹⁴	3	66	61	66	63	57	68	65	75	75	65	74	71	100,928
Marble, tiling, and plastering.....	6	56	54	98	94	73	94	69	70	103	153	192	300	219,860
Other classes ¹⁶	3	29	35	26	31	51	44	55	35	43	42	45	47	47,992
<i>Length of working week *</i>														
General contractors ⁴	50	1,117	1,258	1,240	1,376	1,374	1,381	1,758	1,784	1,774	1,713	1,691	1,316	1,960,911
40-hour, 5-day week.....	1	1	1	1	1	2	4	5	3	5	4	3	2	4,861
44-hour, 5½-day week.....	27	324	362	444	573	438	438	583	707	680	614	488	385	772,842
48-hour, 6-day week.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1,894
48-hour, 6-day week.....	21	792	895	795	801	933	938	1,175	1,074	1,088	1,094	1,199	928	1,190,314
Subcontractors.....	44	598	501	541	548	527	570	614	512	591	641	722	802	950,867
40-hour, 5-day week.....	13	126	115	120	124	104	119	122	95	125	161	235	340	349,801
44-hour, 5½-day week.....	17	316	214	256	246	250	285	311	281	265	287	301	268	361,490
48-hour, 6-day week.....	13	144	160	153	166	161	154	171	178	191	181	174	173	230,626
54-hour, 6-day week.....	1	12	12	12	12	12	12	10	10	10	12	12	12	14,950

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 report-ing	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY												Wages paid dur-ing year
		Janu-ary	Febru-ary	March	April	May	June	July	August	Sep-tember	Octo-ber	Novem-ber	Decem-ber	
SAN FRANCISCO	363	9,535	9,624	9,959	10,840	11,851	12,144	12,212	12,055	12,107	11,757	11,157	10,407	\$20,744,258
<i>Classification of establishments</i>														
Operative builders.....	8	95	79	68	81	80	93	97	91	92	104	101	66	142,925
General contractors.....	137	5,593	5,581	5,937	6,536	7,032	7,006	7,722	7,853	7,852	7,320	6,883	6,104	11,080,244
Building.....	88	2,646	2,089	2,036	3,455	3,599	3,968	4,034	3,871	4,204	4,146	4,047	4,044	6,413,533
Building not specialized.....	61	2,365	2,405	2,598	3,073	3,210	3,575	3,664	3,524	3,927	3,845	3,821	3,813	5,762,950
Commercial building only.....	0	153	153	162	198	211	256	182	202	134	154	61	103	319,191
Residential building only.....	18	128	131	170	174	178	187	188	145	155	137	135	123	331,380
Highway.....	8	344	292	311	346	395	460	600	693	555	505	530	330	597,383
Bridge and culvert.....	4	1,294	1,226	1,250	1,078	1,164	1,130	1,163	1,033	933	539	413	211	1,070,085
Grading.....	4	146	161	170	243	287	313	333	378	314	278	225	126	461,110
Street paving.....	12	207	279	269	332	442	507	612	642	650	593	510	344	805,232
Waterworks.....	3	131	147	154	142	135	231	181	170	276	347	375	342	390,032
Dredging, river, harbor, etc. ¹⁰	10	628	646	685	831	894	925	572	528	591	541	505	535	969,365
Central station, light and power plant.....	3	27	46	40	80	43	20	42	62	46	81	79	65	112,225
Other classes ¹⁷	3	80	95	104	69	73	103	180	276	283	285	193	192	265,277
Subcontractors.....	218	3,847	3,904	3,954	4,223	4,239	4,355	4,393	4,311	4,163	4,333	4,173	4,147	8,621,089
Carpentering and wood flooring.....	8	66	63	82	79	64	60	85	82	69	83	79	68	123,750
Concreting and stonework.....	8	175	170	147	153	147	169	201	239	215	105	105	130	267,763
Electrical.....	29	322	335	345	348	355	388	385	351	305	303	294	290	697,463
Elevator construction.....	4	197	203	200	212	221	231	220	228	229	242	243	256	678,511
Heating and plumbing.....	56	1,024	1,002	990	1,026	1,059	1,052	1,039	1,044	1,023	1,127	1,135	1,192	2,040,548
Heating and piping ²	20	440	422	407	390	361	343	334	360	377	383	408	476	690,383
Pipe covering.....	4	80	86	78	81	66	65	56	73	75	71	96	96	155,191
Plumbing.....	22	308	318	311	315	389	419	407	378	352	400	383	368	744,615
Plumbing and heating combined.....	6	122	108	107	105	115	125	119	110	113	135	142	112	247,023
Automatic sprinkler systems.....	4	76	70	87	135	128	100	123	117	108	138	106	106	200,385
Masonry.....	10	91	80	89	133	160	148	164	171	124	134	78	45	872,515
Painting and decorating ¹¹	19	297	330	349	396	463	398	400	581	634	540	426	401	982,900
Glass and glazing.....	5	36	41	41	43	46	47	45	55	48	49	50	45	99,150
Plastering and lathing.....	18	443	502	521	509	424	465	459	352	307	322	344	340	469,150
Roofing and sheet-metal work.....	12	194	214	216	221	233	316	244	244	237	244	266	204	469,150
Roofing.....	5	31	48	36	37	37	44	40	33	45	47	43	25	90,340
Sheet-metal work.....	7	163	166	180	184	201	272	204	211	192	197	223	230	378,810
Steel erection.....	11	339	297	263	298	306	354	352	287	303	364	347	292	667,663
Marble and tiling.....	19	382	414	389	443	441	383	399	395	383	371	350	376	814,117
Excavating and wrecking.....	5	66	70	65	78	70	67	83	100	101	87	81	90	141,337
Ornamental iron ¹⁸	10	140	161	169	178	177	196	182	162	182	173	166	180	311,671
Other classes ¹²	4	75	82	88	106	63	80	107	68	79	70	84	65	177,872
<i>Length of working week *</i>														
General contractors ⁴	145	5,638	5,960	6,005	6,617	7,112	7,789	7,819	7,744	7,944	7,424	6,984	6,260	12,123,169
40-hour, 5-day week.....	32	532	521	669	786	715	661	621	626	561	548	469	414	1,135,102
44-hour, 5½-day week.....	68	3,444	3,389	3,626	3,735	4,074	4,411	4,492	4,272	4,599	4,110	4,043	3,871	7,206,871
All other 5½-day week.....	2	353	376	339	446	397	424	374	386	367	361	336	328	579,486
48-hour, 6-day week.....	29	1,051	1,063	1,082	1,193	1,415	1,608	1,623	1,640	1,633	1,682	1,345	1,041	2,241,556
54-hour, 6-day week.....	1			20	63	64	30	41	30					12,780
All other not designated.....	8	224	221	254	294	349	521	398	555	625	661	654	520	703,172
Not reported.....	5	79	85	106	100	98	134	270	235	164	153	137	77	154,202
Subcontractors.....	218	3,847	3,904	3,954	4,223	4,239	4,355	4,393	4,311	4,163	4,333	4,173	4,147	8,621,089
40-hour, 5-day week.....	47	863	953	883	926	1,005	983	1,097	958	859	894	851	843	1,906,100
45-hour, 5-day week.....	1	5	7	19	13	11	18	36	30	15	16	9	8	15,366
44-hour, 5½-day week.....	151	2,704	2,711	2,754	2,961	2,939	3,005	2,954	2,951	2,904	3,045	2,973	2,971	6,017,035
49½-hour, 5½-day week.....	1	8	12	14	13	9	11	15	17	14	8	13	13	21,899
All other 5½-day week.....	2	16	19	15	19	15	23	6	31	45	24	21	8	33,933
48-hour, 6-day week.....	7	74	82	89	98	88	81	98	134	141	143	140	133	133,890
54-hour, 6-day week.....	2	43	64	61	68	66	82	53	39	65	65	60	77	119,605
All other not designated.....	2	60	49	57	55	35	65	57	61	46	63	30	34	156,691
Not reported.....	5	69	77	62	70	71	87	77	90	74	75	60	60	172,207

1 Includes levee; air transport work; and telephone line and system.
 2 Includes automatic temperature control.
 3 Includes bridge and culvert; sewer, gas, water, conduit; waterworks; dredging river, harbor, etc.; power plant; rental of equipment, trucking, etc.; and sound proofing.
 4 Includes operative builders.
 5 Includes bridge and culvert; dredging, river, harbor, etc.; and central station, light and power plant.
 6 Includes plumbing and heating combined.
 7 Includes excavating; and ornamental iron.
 8 Includes pipe covering; and plumbing and heating combined.
 9 Includes waterworks; soundproofing; and power plant.
 10 Includes bridge and culvert; and sewer, gas, water, conduit.
 11 Includes flooring, n. e. s.
 12 Includes excavating; ornamental iron; and grading.
 13 Includes bridge and culvert; sewer, gas, water, conduit; and railroad.
 14 Includes ornamental iron.
 15 Includes glass and glazing; excavating; and sewer, gas, water, conduit.
 16 Includes levee.
 17 Includes dam and reservoir; and foundation.
 18 Includes metal work, n. e. s.
 19 Includes grading; dredging, river, harbor, etc.; soundproofing; and rental of equipment, trucking, etc.
 * For complete classification see tabulation for the State above.

CONSTRUCTION—CALIFORNIA

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.				
CALIFORNIA	2,359	\$378,440,407	\$83,774,000	\$78,955,851	\$128,608,134	\$83,045,480	\$15,014,739	\$2,213,951	\$1,437,281	\$1,988,701	\$1,622,548	\$4,009,730	\$23,632,984
Operative builders	51	7,278,830	5,405,000	439,246	803,200	23,240	171,010	041	8,042	110,480	4,761	16,781	111,283
General contractors	1,181	250,813,884	85,258,000	48,250,435	73,038,520	1,323,340	8,704,080	1,825,450	591,787	1,371,723	1,453,214	3,001,635	15,145,527
Building.....	880	159,695,047	75,793,000	26,452,449	37,020,205	867,300	4,859,295	160,466	330,168	602,890	442,894	1,107,484	3,128,225
Building not specialized.....	593	129,145,002	60,071,000	21,886,482	30,402,511	659,232	4,026,005	132,455	254,459	463,290	411,073	923,833	2,414,733
Commercial building only.....	41	7,170,689	3,354,000	1,388,579	1,531,141	29,912	272,747	0,271	20,354	34,050	14,161	58,252	204,879
Manufacturing building only.....	7	3,490,047	1,410,000	513,738	970,994	10,144	150,200	10,721	4,380	115,643	614	20,204	130,405
Residential building only.....	239	10,958,000	10,958,000	2,663,650	4,104,559	168,012	410,457	8,019	47,975	115,001	17,056	100,165	369,208
Highway.....	08	22,124,040	2,373,000	4,434,030	8,502,454	90,045	870,403	412,522	42,800	200,241	273,065	208,364	2,962,472
Bridge and culvert.....	23	9,402,841	1,454,000	2,766,983	3,358,693	43,000	201,708	58,421	17,058	104,128	333,489	131,015	204,737
Grading.....	10	3,795,588	309,000	1,017,787	1,051,185	42,890	246,620	100,279	10,286	41,630	20,064	47,523	1,209,864
Street paving.....	80	30,070,304	3,523,000	7,091,210	14,805,650	140,081	1,144,396	820,821	83,229	256,003	228,282	1,254,403	4,210,768
Sewer, gas, water, conduit.....	38	5,317,275	315,000	1,183,445	2,540,441	49,117	140,861	107,722	5,682	61,901	41,880	64,104	521,671
Dam and reservoir.....	20	7,229,017	693,000	1,830,047	2,335,423	20,000	427,536	13,011	26,810	11,357	20,710	93,447	755,579
Waterworks.....	6	1,311,717	163,000	441,368	309,423	35,400	70,723	28,000	4,843	5,603	27,014	22,500	169,137
Dredging, river, harbor, etc.....	13	6,444,859	605,000	1,687,895	1,996,093	421,800	40,190	23,042	48,033	37,421	105,897	1,210,581	1,210,581
Railroad.....	5	1,257,932	28,000	374,845	282,609	108,994	45,620	4,113	3,531	0,691	14,550	348,533	348,533
Central station, light and power plant.....	12	2,809,993	82,000	608,487	1,014,516	14,188	124,529	13,899	23,904	21,592	15,632	20,382	162,340
Oil and natural gas pipe line.....	5	675,352	10,000	341,981	-----	0,418	20,231	5,585	4,003	937	16,751	216,035	216,035
Other classes ¹	0	388,919	10,000	128,302	107,741	12,411	21,725	0,818	110	4,811	1,837	7,180	45,695
Subcontractors	1,127	115,847,693	3,021,000	30,257,170	54,764,336	1,098,850	0,070,043	387,800	830,852	497,492	104,574	901,260	8,570,124
Carpentering and wood flooring.....	45	4,070,040	202,000	1,988,094	1,801,216	79,553	154,058	451	15,484	21,243	5,737	21,074	304,960
Concreting.....	32	2,234,470	64,000	754,844	897,715	34,079	97,848	35,890	12,203	10,142	5,093	23,205	213,543
Electrical.....	172	13,193,904	72,000	3,391,024	7,172,482	371,328	885,530	2,132	102,752	58,600	27,179	1,069,750	1,069,750
Elevator construction.....	7	5,140,335	140,000	753,079	3,313,240	11,323	160,242	-----	11,033	3,311	043	26,061	94,094
Heating and plumbing.....	313	34,807,404	765,000	7,830,010	10,057,764	399,068	1,023,519	0,887	238,346	143,313	74,875	174,454	2,012,944
Heating and piping ²	66	7,415,200	332,000	1,658,042	3,727,788	59,912	420,954	50	68,413	25,701	39,083	471,594	471,594
Pipe covering.....	0	574,380	-----	171,212	238,174	70,415	-----	-----	15,821	2,370	358	4,358	65,531
Plumbing.....	213	22,544,047	340,000	5,077,932	12,071,170	309,070	1,130,521	0,837	139,067	90,998	38,500	111,414	1,213,844
Plumbing and heating combined.....	21	3,070,994	72,000	753,730	1,723,353	32,486	184,147	-----	17,463	9,918	21,342	15,823	167,140
Automatic sprinkler systems.....	8	1,283,177	2,000	200,394	697,273	111,982	-----	-----	0,082	5,326	893	6,776	94,535
Masonry.....	51	3,425,820	59,000	1,332,230	1,818,277	32,821	70,707	4,397	14,000	11,000	3,039	51,019	168,437
Painting and decorating.....	87	6,234,212	53,000	3,105,785	1,355,939	173,188	301,390	3,108	46,068	30,510	4,002	33,120	470,179
Glass and glazing.....	21	2,380,573	35,000	355,192	1,447,453	26,610	198,867	-----	22,110	13,164	362	13,655	183,077
Plastering and lathing.....	76	7,637,555	583,000	3,202,851	2,412,892	128,718	232,878	11,950	90,048	31,631	10,103	78,877	229,401
Roofing and sheet-metal work.....	118	6,353,109	174,000	2,111,138	4,730,218	197,063	541,222	1,233	60,048	42,471	2,049	93,729	864,792
Roofing.....	73	5,590,639	40,000	1,113,756	3,024,047	102,138	207,195	1,138	53,345	23,643	885	62,845	567,391
Sheet-metal work.....	45	3,753,470	134,000	907,382	1,706,171	95,765	284,027	6,917	23,211	20,645	2,032	107,880	364,540
Steel erection.....	24	6,763,715	465,000	1,257,709	2,913,254	8,100	350,269	6,110	4,328	18,828	631	8,389	75,752
Stone work.....	3	854,974	-----	209,629	375,040	110,700	695,331	1,200	56,357	35,181	2,883	41,061	970,741
Marble and tiling.....	81	6,571,151	188,000	2,326,978	4,249,734	7,209	11,279	5,771	0,800	7,228	50	3,212	24,526
Wrecking.....	3	182,330	1,000	73,737	-----	26,239	134,877	273,758	18,851	17,008	7,674	31,042	646,492
Excavating.....	23	2,130,073	130,000	695,185	59,771	11,108	149,840	60	12,050	4,836	1,191	15,173	172,014
Ornamental iron.....	21	1,633,303	19,000	436,496	680,132	10,100	6,370	9,659	200	4,730	72	5,212	178,647
Grading.....	3	353,294	-----	53,933	18,780	0,250	0,250	10,015	120	3,450	5,258	11,597	46,063
Street paving and highway.....	4	670,881	31,000	101,278	219,201	0,000	28,133	-----	3,140	3,45	-----	0,095	24,098
Soundproofing.....	3	501,800	15,000	71,383	253,413	0,115	68,631	50	10,707	11,681	226	9,182	164,657
Metal work, n. e. s.....	10	1,420,425	4,000	234,794	803,174	14,394	52,781	190	18,309	1,578	756	3,771	83,730
Flooring, n. e. s.....	17	1,090,934	7,000	232,338	592,696	20,303	34,293	14,010	3,200	15,171	0,050	17,110	67,551
Other classes ³	3	1,072,868	3,000	232,338	590,600	-----	-----	-----	-----	-----	-----	-----	-----
LONG BEACH	94	9,626,101	1,662,000	2,050,761	3,914,800	120,384	362,706	45,748	46,450	37,139	45,480	79,632	620,018
General contractors	49	6,138,904	1,043,000	1,117,227	2,265,418	66,716	181,053	43,378	11,154	25,205	43,374	51,248	360,072
Building.....	41	3,763,597	1,404,000	676,235	1,103,161	60,710	110,627	1,576	9,030	15,803	14,283	29,490	58,431
Building not specialized.....	25	2,923,300	1,042,000	557,041	984,003	63,560	94,855	1,576	6,622	10,198	13,673	24,871	47,574
Residential building only.....	10	840,237	422,000	118,194	208,258	13,157	16,092	-----	2,417	5,695	610	4,619	10,857
Street paving and highway.....	5	1,840,714	101,000	201,933	343,388	47,120	34,353	-----	1,125	4,175	25,521	9,688	284,221
Other classes ⁴	3	528,053	18,000	149,999	228,869	28,300	7,449	-----	900	5,227	3,570	12,070	7,420
Subcontractors	45	3,487,137	19,000	933,534	1,649,442	59,668	181,053	2,370	35,305	11,844	2,100	28,404	269,946
Carpentering and wood flooring.....	4	272,400	-----	62,137	142,043	13,740	25,146	370	2,851	3,710	525	1,974	16,355
Electrical.....	6	620,885	-----	123,965	359,516	21,700	33,101	-----	7,740	1,530	692	3,528	61,640
Heating and plumbing.....	13	929,981	1,000	216,542	483,258	15,215	34,410	-----	7,082	1,111	888	6,011	37,472
Heating and piping ⁵	4	372,459	-----	118,232	156,987	2,081	21,390	-----	2,680	514	389	4,569	10,085
Plumbing.....	9	557,522	1,000	122,310	326,271	12,634	13,080	-----	5,402	597	600	2,042	21,387
Masonry and concreting.....	3	192,629	-----	69,250	94,928	14,125	-----	-----	1,500	1,642	-----	2,888	6,112
Painting and decorating.....	3	200,852	-----	75,302	87,213	3,600	19,800	-----	3,000	108	-----	1,453	757
Plastering and lathing.....	3	194,790	18,000	89,555	53,204	900	-----	-----	202	641	-----	2,327	5,860
Roofing and sheet-metal work.....	5	325,212	-----	68,400	183,095	-----	17,739	-----	2,180	1,354	-----	4,238	25,200
Marble and tiling.....	4	443,951	-----	131,445	218,893	5,413	13,608	-----	1,750	349	-----</		

CONSTRUCTION—CALIFORNIA

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

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.				
LOS ANGELES	698	\$148,980,272	\$37,621,000	\$30,856,678	\$10,895,431	\$781,808	\$6,251,557	\$390,137	\$589,233	\$728,194	\$564,436	\$2,125,470	\$9,355,121
Operative builders.....	26	3,206,583	2,234,000	227,737	554,294	3,000	91,685	641	4,758	44,309	2,085	7,673	54,950
General contractors.....	332	102,466,551	34,044,000	19,422,969	28,022,855	357,529	3,694,816	732,655	280,516	486,698	471,876	1,806,040	5,754,788
Building.....	250	96,145,470	31,007,000	11,269,448	14,168,222	226,204	2,369,166	82,407	107,427	261,071	180,356	460,160	1,562,806
Building not specialized.....	167	55,909,324	26,148,000	9,802,210	12,036,003	156,008	2,131,503	74,055	133,055	180,123	161,060	307,000	1,342,073
Commercial building only.....	19	4,536,076	2,161,000	855,693	1,010,994	12,640	153,632	4,800	18,358	24,190	11,083	41,621	110,184
Residential building only.....	04	5,638,000	3,298,000	611,545	1,122,225	57,558	84,081	2,822	15,114	61,358	7,313	21,449	110,040
Highway.....	10	4,583,045	346,000	840,830	1,824,420	3,000	110,634	57,561	14,375	30,869	100,188	49,011	690,139
Bridge, culvert, and railroad.....	1	1,902,507	39,000	656,071	1,652,349	40,000	98,588	75,877	7,483	21,828	7,801	20,413	362,473
Street paving.....	28	17,300,933	1,713,000	3,053,629	7,230,016	49,087	414,458	353,560	31,293	93,009	118,122	1,104,253	1,371,848
Sewer, gas, water, conduit.....	15	3,086,625	128,000	600,429	1,639,423	27,420	67,671	74,704	2,450	33,325	25,807	36,742	292,075
Dam and reservoir.....	8	4,712,379	39,000	1,864,713	1,896,345	2,400	319,817	6,651	20,270	6,445	13,470	74,604	617,196
Water works.....	3	230,561	6,000	51,334	73,223	2,400	27,848	4,324	2,100	570	849	1,093	23,057
Dredging, river, harbor, etc.....	4	2,288,712	150,000	658,360	837,304	---	177,622	35,399	14,730	27,336	14,049	40,633	280,112
Central station, light and power plant.....	4	1,055,902	---	284,768	1,100,896	---	80,074	---	18,760	10,133	7,787	5,848	77,897
Other classes ⁹	4	502,411	16,000	143,431	662	9,418	21,138	0,172	1,019	1,512	3,357	13,693	226,885
Subcontractors.....	340	43,307,138	1,343,000	11,205,972	20,418,282	421,279	2,466,056	256,841	303,059	197,117	89,578	310,966	3,545,383
Carpentering and wood flooring.....	14	1,088,462	50,000	551,223	819,072	15,541	67,057	81	6,814	12,505	2,052	9,314	257,604
Concreting and stonework.....	12	1,368,862	60,000	400,939	686,373	12,150	58,030	30,015	7,080	2,871	3,687	12,355	127,197
Electrical.....	4	5,431,025	54,000	1,322,602	2,005,255	57,189	334,803	145	66,298	14,879	10,547	30,420	413,821
Elevator construction.....	3	300,108	---	72,472	163,626	---	21,747	---	6,233	2,811	52	3,493	36,607
Heating and plumbing.....	82	12,655,482	300,000	2,734,089	7,118,867	87,481	835,044	2,249	79,051	50,728	38,362	66,012	717,305
Heating and piping ¹⁰	22	2,387,027	144,000	540,143	1,194,003	23,000	183,416	---	32,213	8,799	10,646	14,006	157,867
Plumbing.....	56	9,603,478	166,000	2,043,788	5,629,222	63,821	602,194	2,249	43,098	40,872	17,017	46,673	500,180
Automatic sprinkler systems.....	4	604,077	---	145,148	265,642	---	49,434	---	3,740	1,057	799	4,343	50,758
Masonry.....	14	1,767,630	17,000	623,445	838,562	7,391	25,985	2,460	4,814	4,095	120	21,821	85,978
Painting and decorating.....	28	2,383,905	26,000	1,122,716	691,130	31,666	130,398	976	20,097	14,406	2,018	26,681	154,520
Glass and glazing.....	8	1,167,037	35,000	100,471	778,713	6,240	59,167	---	7,940	6,883	362	4,029	120,474
Plastering and lathing.....	36	3,281,458	270,000	1,369,857	995,978	62,113	109,213	0,867	11,356	16,161	4,803	33,570	83,401
Roofing and sheet-metal work.....	33	3,636,544	128,000	705,049	1,902,728	50,850	217,856	480	30,243	9,090	1,405	34,115	332,988
Roofing.....	20	2,353,934	5,000	443,374	1,280,633	36,230	124,666	380	19,446	7,086	165	21,793	268,822
Sheet-metal work.....	13	1,282,610	123,000	261,675	613,095	14,620	93,190	100	10,797	1,044	1,240	12,352	74,160
Steel erection.....	8	713,254	---	199,709	861,673	---	83,676	4,253	4,850	---	300	12,709	33,602
Marble and tiling.....	30	4,210,101	184,000	995,358	1,775,896	20,581	281,067	750	24,439	10,008	2,227	14,856	677,032
Excavating and wrecking.....	11	1,183,928	90,000	335,810	---	17,500	68,140	103,861	9,240	8,893	7,224	15,022	306,002
Ornamental iron.....	7	433,018	11,000	122,250	140,286	5,880	52,040	---	4,980	1,674	467	3,626	46,918
Street paving.....	3	622,831	31,000	145,619	210,291	6,500	15,600	10,615	120	2,800	4,868	10,797	37,093
Metal work, n. e. s.....	7	699,050	2,000	139,666	280,267	4,900	48,888	50	11,110	11,561	228	4,745	122,206
Flooring, n. e. s.....	9	642,038	7,000	121,089	373,262	7,194	13,360	50	9,009	1,177	656	1,006	53,565
Other classes ¹¹	6	601,356	17,000	134,421	560,495	28,103	30,555	4,000	3,365	11,886	8,472	5,226	26,320
OAKLAND	136	17,866,526	3,372,066	3,362,893	6,668,026	154,773	670,416	85,467	72,177	103,610	46,710	159,078	652,336
Operative builders.....	4	301,344	272,000	20,500	60,600	---	5,800	---	1,014	21,203	1,500	1,267	1,848
General contractors.....	59	10,062,464	3,130,000	1,794,386	3,344,085	66,009	357,941	78,088	28,065	50,096	39,737	91,278	435,067
Building.....	44	5,241,139	2,681,000	820,174	1,215,154	62,106	95,906	4,952	9,879	12,632	15,671	35,304	71,135
Building not specialized.....	27	3,587,935	1,821,000	591,110	828,610	67,856	55,874	1,404	6,027	5,450	14,350	24,811	49,215
Commercial building only.....	5	788,971	348,000	138,233	211,170	4,250	29,032	3,548	3,192	338	---	6,406	8,779
Residential building only.....	12	894,233	512,000	99,826	175,365	---	10,400	---	660	0,844	1,315	4,087	13,141
Highway.....	4	700,701	24,000	232,610	347,277	---	32,100	7,919	1,800	4,046	12,830	10,092	40,339
Street paving.....	6	3,208,290	156,000	583,202	1,466,404	---	203,335	63,467	15,493	30,887	4,970	38,898	282,720
Other classes ¹²	5	852,334	269,000	134,394	316,160	3,900	27,200	1,750	893	1,631	6,216	6,984	34,873
Subcontractors.....	78	7,212,718	470,000	1,778,009	3,402,435	88,767	315,075	7,409	43,098	35,311	5,473	66,531	555,921
Carpentering and wood flooring.....	4	314,649	16,000	93,380	141,326	8,306	7,110	---	1,200	854	40	1,670	18,361
Electrical.....	6	442,827	8,000	222,237	11,741	26,287	11,741	26,287	6,788	880	---	2,687	26,696
Heating and plumbing.....	22	2,352,467	216,000	483,064	1,220,368	14,600	93,086	---	14,457	8,347	5,164	7,310	140,630
Heating and pipe covering.....	10	980,149	99,000	180,308	518,104	1,600	51,150	---	7,009	3,013	1,000	2,210	78,347
Plumbing.....	12	1,372,308	117,000	302,756	711,264	13,000	42,336	---	7,448	5,334	4,164	5,100	62,283
Masonry and concreting.....	5	215,797	2,000	68,706	117,250	---	1,980	1,207	1,201	215	---	3,340	6,068
Painting and decorating.....	6	214,983	2,000	103,808	48,319	8,320	10,418	---	2,017	1,632	---	3,272	16,757
Glass and glazing.....	4	400,830	---	128,098	218,009	10,400	37,080	---	4,453	4,936	---	3,212	17,250
Plastering and lathing.....	5	247,188	---	94,600	116,744	5,200	3,860	160	738	571	---	3,037	6,440
Roofing and sheet-metal work.....	11	696,692	6,000	169,808	355,389	17,400	46,272	---	8,211	0,214	197	6,151	71,640
Roofing.....	7	465,244	1,000	89,803	236,800	12,600	40,264	---	4,361	4,567	70	4,361	52,609
Sheet-metal work.....	4	241,448	5,000	71,065	119,089	4,800	6,008	---	3,860	1,647	127	1,790	18,950
Steel erection.....	3	1,113,336	213,000	210,939	563,257	5,500	34,800	---	208	5,000	---	24,555	34,505
Marble and tiling.....	4	700,594	---	248,343	812,770	7,300	31,121	480	2,675	2,251	---	4,550	49,601
Other classes ¹³	3	453,416	7,000	87,068	77,676	---	23,263	5,562	300	4,352	72	6,141	163,974

See footnotes at end of table.

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

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.				
SAN DIEGO	92	\$16,670,605	\$2,688,000	\$2,855,779	\$6,868,477	\$113,470	\$542,227	\$164,774	\$55,127	\$132,460	\$89,736	\$115,376	\$1,707,876
General contractors ¹	52	13,218,913	2,643,000	1,959,001	5,293,350	60,702	360,980	154,315	10,564	121,607	85,651	90,952	1,466,561
Building.....	37	4,221,835	1,048,000	684,332	1,070,079	31,202	137,583	755	13,023	9,014	22,726	29,915	91,834
Building not specialized ²	27	3,534,753	1,574,000	579,827	962,652	31,202	126,263	155	9,775	7,115	20,076	20,481	76,100
Residential building only.....	10	687,082	374,000	104,505	116,427	-----	11,320	600	3,248	1,890	2,050	3,434	15,784
Highway.....	4	3,249,683	178,000	358,485	1,071,217	12,080	97,208	43,155	620	56,072	26,830	21,686	204,912
Street paving.....	7	4,822,276	517,000	787,379	2,020,048	14,420	106,830	62,823	4,091	48,423	31,509	20,614	840,135
Other classes ¹⁴	4	925,219	-----	128,805	217,006	3,000	19,653	47,582	1,220	8,098	4,580	9,437	329,680
Subcontractors.....	40	3,451,692	45,000	896,778	1,570,127	52,768	181,247	10,459	35,573	10,843	4,085	24,424	241,317
Concreting and masonry.....	3	265,100	3,000	89,101	121,420	-----	8,027	-----	105	3,732	956	3,146	29,938
Electrical.....	8	404,330	-----	106,862	101,655	27,200	22,754	-----	10,755	713	1,089	2,716	19,047
Heating and plumbing.....	9	1,020,331	-----	213,723	518,155	8,810	61,781	100	6,870	1,370	869	4,004	52,513
Plumbing.....	6	656,314	-----	133,331	353,018	4,100	48,532	100	2,540	720	822	2,901	38,767
Plumbing and heating combined.....	3	365,017	-----	80,362	165,137	4,659	13,249	-----	4,330	659	47	1,103	13,746
Painting and decorating.....	3	157,128	-----	45,114	70,501	3,600	12,600	140	5,088	470	206	893	10,906
Roofing and sheet-metal work.....	5	208,319	-----	73,168	131,023	4,800	15,285	-----	7,000	1,121	45	3,960	33,527
Steel erection ¹⁵	3	376,283	-----	100,928	185,320	-----	28,674	500	3,540	410	-----	4,495	31,087
Marble, tiling, and plastering.....	6	742,497	42,000	210,800	202,800	6,000	26,861	473	2,110	2,620	613	3,921	35,684
Other classes ¹⁶	3	187,704	-----	47,092	86,187	2,340	5,295	9,240	-----	302	313	1,289	30,415
SAN FRANCISCO	334	\$1,688,984	\$2,245,000	\$2,211,874	\$2,015,766	\$66,377	\$,980,849	\$23,371	\$23,260	\$44,207	\$68,860	\$79,631	\$4,655,812
Operative builders.....	8	2,577,322	2,056,000	112,848	125,494	18,080	47,115	-----	1,820	48,570	-----	4,600	40,445
General contractors.....	122	58,897,064	22,355,000	10,805,236	14,563,957	210,314	2,172,036	298,180	130,322	315,585	482,403	403,031	2,804,354
Building.....	83	37,033,018	10,036,000	5,499,184	8,024,611	142,100	1,018,602	38,372	00,314	143,221	84,567	226,615	543,356
Building not specialized.....	56	33,270,101	17,270,000	4,733,977	7,306,940	118,284	863,902	37,917	40,610	125,068	83,700	207,280	387,470
Commercial building only.....	6	1,125,941	-----	529,104	1,060,539	9,000	88,172	334	3,484	6,838	500	5,800	68,032
Manufacturing building only.....	3	453,262	08,000	143,339	133,824	3,900	30,826	121	820	543	240	1,295	13,264
Residential building only.....	18	2,176,314	1,133,000	350,764	423,308	10,916	65,702	-----	6,400	11,772	55	12,231	74,684
Highway.....	6	2,847,287	754,000	504,467	886,845	-----	196,537	34,638	12,905	22,428	14,422	20,521	193,710
Bridges, culvert, and railroad.....	5	6,870,912	1,362,000	1,988,872	2,146,029	-----	234,014	15,000	11,770	76,997	304,038	89,154	59,884
Grading.....	3	1,762,947	68,000	591,284	86,235	-----	187,404	25,000	16,100	28,478	7,741	29,057	360,131
Street paving.....	8	3,395,713	252,000	644,022	1,307,334	44,214	175,265	143,496	14,080	15,763	17,000	27,013	609,207
Waterworks, dam, and reservoir.....	5	2,480,302	607,000	633,699	781,330	33,000	97,109	26,326	7,280	5,091	27,459	32,139	170,580
Dredging, river, harbor, etc. ¹⁷	8	3,000,299	106,000	610,963	1,056,599	-----	235,605	7,579	9,062	22,780	21,870	63,851	927,701
Central station, light and power plant.....	4	546,986	80,000	122,745	271,077	-----	26,540	7,725	4,806	1,227	4,397	4,681	30,770
Subcontractors.....	204	30,211,598	834,000	8,203,790	14,326,255	428,983	1,711,698	25,185	185,118	120,186	24,367	271,100	1,866,013
Carpentering and wood flooring.....	7	475,444	69,000	91,979	220,148	24,000	7,672	-----	1,320	901	220	2,008	16,515
Concreting and stonework.....	0	563,307	-----	221,545	183,367	12,725	47,575	332	3,681	0,008	-----	7,838	58,817
Electrical.....	28	2,681,174	5,000	694,170	1,318,343	85,559	205,903	142	27,081	18,182	6,713	15,333	166,366
Elevator construction.....	3	4,785,523	146,000	604,171	3,123,870	11,323	121,871	-----	5,400	337	551	22,691	49,354
Heating and plumbing.....	49	7,303,850	134,000	1,781,233	3,823,508	54,931	438,400	50	51,204	29,850	6,319	36,987	368,927
Heating and piping ⁸	20	2,857,400	96,000	609,383	1,451,448	12,464	172,588	-----	10,936	8,059	4,855	11,588	145,793
Pipe covering.....	3	301,497	-----	78,281	131,700	-----	32,616	-----	7,200	1,198	-----	1,913	35,573
Plumbing.....	18	2,610,456	37,000	659,699	1,350,051	37,959	132,998	-----	18,202	13,200	957	15,213	93,184
Plumbing and heating combined.....	5	911,707	1,000	232,023	522,062	4,568	45,001	-----	3,774	3,607	507	5,948	55,048
Automatic sprinkler systems.....	3	622,733	-----	114,847	368,211	-----	55,438	-----	2,042	3,780	-----	2,275	38,729
Masonry.....	10	880,619	41,000	301,373	368,336	13,430	34,408	373	4,901	2,533	2,839	10,126	35,341
Painting and decorating.....	24	1,986,241	30,000	1,052,256	393,641	65,902	147,603	20	14,742	9,192	110	31,371	180,120
Glass and glazing.....	5	476,438	-----	77,037	280,086	4,800	36,022	-----	12,690	1,100	-----	4,452	19,555
Plastering and lathing.....	18	2,183,062	102,000	901,273	676,998	20,425	71,369	3,842	6,701	8,224	4,168	22,474	81,527
Roofing and sheet-metal work.....	11	1,468,848	25,000	427,053	660,637	45,202	92,793	-----	7,365	10,933	268	14,733	142,864
Roofing.....	6	383,299	23,000	71,232	108,735	9,958	17,208	-----	2,832	464	95	7,057	35,699
Sheet-metal work.....	6	1,085,549	2,000	356,721	461,902	35,244	76,585	-----	4,533	10,469	173	7,670	107,165
Steel erection.....	11	2,605,864	188,000	581,248	1,116,911	3,600	173,493	2,164	19,035	14,068	1,420	55,201	223,665
Marble and tiling.....	17	2,010,222	2,000	767,650	1,171,820	56,838	204,100	-----	15,281	8,929	14	13,768	209,098
Excavating and wrecking.....	4	326,529	-----	122,280	308	16,939	31,047	16,339	6,505	5,252	125	8,739	96,939
Ornamental iron ¹⁸	8	1,346,318	2,000	277,531	709,077	9,443	79,090	50	5,337	1,854	701	11,580	106,387
Other classes ¹⁹	3	617,169	-----	142,076	250,255	4,200	26,287	2,373	2,076	2,693	919	11,058	49,542

¹ Includes levee; foundation; air transport work; and telephone line and system.
² Includes automatic temperature control.
³ Includes bridge and culvert; sewer, gas, water, conduit; waterworks; dredging, river, harbor, etc.; power plant; and rental of equipment, trucking, etc.
⁴ Includes operative builders.
⁵ Includes bridge and culvert; and central station, light and power plant.
⁶ Includes plumbing and heating combined.
⁷ Includes flooring, n. e. s.
⁸ Includes excavating; and ornamental iron.
⁹ Includes grading; and oil and natural gas pipe line.
¹⁰ Includes pipe covering; and plumbing and heating combined.
¹¹ Includes sewer, gas, water, conduit; waterworks; soundproofing; and power plant.
¹² Includes bridge and culvert; sewer, gas, water, conduit; and dredging, river, harbor, etc.
¹³ Includes ornamental iron; grading; and flooring, n. e. s.
¹⁴ Includes bridge and culvert; grading; and sewer, gas, water, conduit.
¹⁵ Includes ornamental iron.
¹⁶ Includes glass and glazing; excavating; and sewer, gas, water, conduit.
¹⁷ Includes levee.
¹⁸ Includes metal work, n. e. s.
¹⁹ Includes dredging, river, harbor, etc.; soundproofing; and rental of equipment, trucking, etc.

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 ¹	Subcontractors		All classes of establishments			General contractors ¹	Subcontractors
	Amount	Per cent distribution	Per \$1,000 construction work done ²				Amount	Per cent distribution	Per \$1,000 construction work done ²		
CALIFORNIA	<i>Dolls.</i>		<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	LONG BEACH—Continued	<i>Dolls.</i>		<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>
All kinds of material.....	161,121,833		460.53	85,120,171	66,001,662	Distributed by kind—Continued.					
Distribution not reported.....	28,634,140	18.0		18,863,236	9,770,910	Millwork.....	114,480	3.1	15.49	100,646	4,840
Distributed by kind.....	122,487,697	100.0		66,256,935	56,230,752	Composition board.....	17,724	.6	2.40	15,730	1,094
Sand, gravel, stone, slag, cinders, etc.	14,242,050	11.6	62.38	13,321,421	920,638	Waterproofing materials.....	9,416	.3	1.27	9,416	
Brick (face, common, fire, paving, etc.).....	2,493,742	2.0	0.17	1,275,625	1,218,117	Hardware, rough and finished.....	52,587	1.4	7.11	60,340	2,247
Tile (fireproofing).....	444,452	.4	1.04	183,645	260,807	Paints, varnishes, glass.....	55,398	1.5	7.49	19,800	85,508
Tile, facing, terra cotta, floor, and wall.....	2,808,077	2.3	10.33	454,900	2,353,177	Roofing and sheet metal.....	144,431	3.9	19.53	19,185	125,246
Concrete and cinder block.....	758,793	.6	2.79	695,655	63,138	Finished flooring (other than cement, wood, or tile).....	17,537	.5	2.37	17,537	
Cut stone, granite and marble.....	1,470,785	1.2	5.41	147,236	1,323,549	Screens, shades, awnings, etc.....	7,940	.2	1.07	7,940	
Riprap, rubble, etc.....	347,302	.3	1.28	332,548	14,754	Heating and ventilating equipment.....	118,729	3.2	16.09	4,855	113,874
Cement.....	13,499,857	11.0	40.65	12,526,708	973,149	Plumbing and gas fitting equipment.....	341,051	9.3	40.13	16,530	324,521
Lime.....	333,620	.3	1.23	131,180	202,431	Electrical appliances and supplies.....	355,540	9.7	48.00	16,024	339,516
Plaster, etc.....	1,360,802	1.1	5.01	836,235	524,567	Pipe: Drain tile, vitrified, concrete, segment tile, corrugated.....	6,730	.2	.91	6,730	
Structural steel.....	9,234,237	5.1	22.93	1,120,959	6,104,278	Pipe: Cast-iron, sheet and tubesteel, etc.....	121,255	3.3	16.40	121,255	
Reinforcing steel.....	3,248,827	2.7	11.95	2,777,500	471,327	Wire cable, guards, and fencing.....	329	(*)	.04	329	
Cast iron, miscellaneous, excluding pipe.....	525,050	.4	1.93	317,812	207,238	Bituminous paving materials, tar, asphalt, and oil.....	193,212	5.3	26.13	187,098	5,514
Metal doors, windows, and trim.....	640,403	.5	2.39	306,652	342,751	Wood piling and timber.....	500	(*)	.07	500	
Metal and wire lath and furring.....	687,619	.6	2.62	140,189	547,430	Freight, hauling or trucking to job.....	51,181	1.4	6.92	48,830	2,345
Ornamental metal work.....	784,370	.6	2.88	252,715	531,655	Mineral products (nonmetallic), n. e. s.....	11,789	.3	1.60	6,067	5,722
Lumber, rough and finished.....	12,850,699	10.5	47.27	11,179,350	1,671,346	Textiles and calking materials.....	429	(*)	.06	429	
Lath, shingles, and shakes (wood).....	245,504	.2	.90	125,021	120,483	Miscellaneous.....	26,873	.7	3.64	24,232	2,641
Millwork.....	4,170,373	3.4	15.34	4,142,006	28,367	LOS ANGELES					
Composition board.....	382,643	.3	1.41	200,787	181,856	All kinds of material.....	60,005,612	400.97		32,304,084	28,211,623
Waterproofing materials.....	186,880	.2	.69	91,007	94,873	Distribution not reported.....	7,198,417	11.9		4,338,974	2,850,443
Hardware, rough and finished.....	1,878,054	1.5	6.89	1,717,205	155,750	Distributed by kind.....	53,407,195	100.0		28,055,110	26,352,085
Paints, varnishes, glass.....	3,675,149	3.0	13.52	404,182	3,270,967	Sand, gravel, stone, slag, cinders, etc.	6,356,138	11.9	54.80	5,989,110	367,028
Roofing and sheet metal.....	3,955,635	3.2	14.55	306,191	3,559,444	Brick (face, common, fire, paving, etc.).....	1,462,094	2.7	12.02	899,444	502,650
Finished flooring (other than cement, wood, or tile).....	654,525	.5	2.41	217,714	436,811	Tile (fireproofing).....	220,654	.4	1.90	62,392	168,262
Screens, shades, awnings, etc.....	220,610	.2	.81	108,740	111,870	Tile, facing, terra cotta, floor, and wall.....	971,119	1.8	8.38	215,743	756,376
Heating and ventilating equipment.....	5,155,866	4.2	18.96	515,108	4,640,758	Concrete and cinder block.....	120,219	.2	1.04	109,022	11,197
Plumbing and gas fitting equipment.....	11,963,473	9.8	43.97	1,059,865	10,903,608	Cut stone, granite and marble.....	849,964	1.6	7.33	60,391	780,563
Electrical appliances and supplies.....	9,210,465	7.5	38.88	1,579,867	7,630,598	Riprap, rubble, etc.....	184,328	.3	1.59	184,054	274
Elevators, dumb-waiters, and equipment.....	3,922,672	3.2	14.43	147,604	3,775,168	Cement.....	6,336,319	11.9	54.69	6,059,228	277,091
Pipe: Drain tile, vitrified, concrete, segment tile, corrugated.....	3,462,299	2.8	12.74	3,363,048	99,251	Lime.....	297,051	.5	2.31	29,527	238,124
Pipe: Cast-iron, sheet and tubesteel, etc.....	1,343,198	1.1	4.94	874,780	468,418	Plaster, etc.....	586,841	1.1	5.07	116,000	470,151
Wire cable, guards, and fencing.....	228,832	.2	.84	85,936	142,896	Structural steel.....	3,147,000	5.9	27.10	443,190	2,703,810
Bituminous paving materials, tar, asphalt, and oil.....	3,060,153	3.2	14.57	3,826,028	134,125	Reinforcing steel.....	1,195,427	2.2	10.32	1,145,134	50,293
Wood piling and timber.....	437,969	.4	1.61	347,706	90,263	Cast iron, miscellaneous, excluding pipe.....	305,044	.6	2.64	145,052	159,992
Ready mixed concrete.....	106,247	.1	.39	97,746	8,501	Metal doors, windows, and trim.....	338,392	.6	2.92	84,887	253,506
Machinery.....	286,200	.2	1.05	293,290	23,000	Metal and wire lath and furring.....	239,994	.4	2.07	38,114	201,880
Freight, hauling or trucking to job.....	672,017	.5	2.10	523,623	48,394	Ornamental metal work.....	183,563	.3	1.59	66,216	117,347
Chemicals and chemical products.....	9,886	(*)	.04	6,550	3,336	Lumber, rough and finished.....	5,093,024	9.5	43.70	4,146,792	917,232
Metal products, n. e. s. (including metal furniture).....	2,727,872	2.2	10.03	22,477	2,705,395	Lath, shingles, and shakes (wood).....	87,430	.2	.76	37,658	49,772
Mineral products (nonmetallic), n. e. s.....	88,538	.1	.32	27,801	60,737	Millwork.....	1,106,885	2.1	9.56	1,094,682	12,203
Sealing materials.....	10,021	(*)	.04	5,148	4,873	Composition board.....	178,639	.3	1.54	81,289	97,350
Textiles and calking materials.....	130,781	.1	.48	644	130,137	Waterproofing materials.....	117,328	0.2	1.01	35,008	79,320
Miscellaneous.....	776,948	.6	2.86	596,450	180,498	Hardware, rough and finished.....	600,390	1.3	5.78	586,098	83,291
LONG BEACH						Paints, varnishes, glass.....	1,709,660	3.2	14.76	129,676	1,579,790
All kinds of material.....	4,483,659	497.30		2,607,596	1,786,063	Roofing and sheet metal.....	1,588,053	3.0	18.70	139,609	1,448,544
Distribution not reported.....	807,041	18.0		598,960	208,081	Finished flooring (other than cement, wood, or tile).....	216,620	.4	1.87	91,200	125,360
Distributed by kind.....	3,676,618	100.0		2,008,639	1,577,982	Screens, shades, awnings, etc.....	75,012	.1	.65	43,850	31,702
Sand, gravel, stone, slag, cinders, etc.	442,231	12.0	69.82	404,701	37,530	Heating and ventilating equipment.....	1,024,247	3.0	14.02	141,438	1,482,809
Brick (face, common, fire, paving, etc.).....	118,118	3.2	15.98	38,053	80,065	Plumbing and gas fitting equipment.....	5,338,237	10.0	49.07	507,124	4,531,113
Tile (fireproofing).....	25,145	.7	3.40	1,378	23,767	Electrical appliances and supplies.....	4,289,005	8.0	37.02	987,158	3,301,847
Tile, facing, terra cotta, floor, and wall.....	213,985	5.8	28.94	13,721	200,264	Elevators, dumb-waiters, and equipment.....	1,004,134	1.9	8.07	53,752	950,382
Concrete and cinder block.....	2,383	.1	.32	2,275	108	Pipe: Drain tile, vitrified, concrete, segment tile, corrugated.....	1,734,381	3.2	14.97	1,060,730	73,651
Cut stone, granite and marble.....	54,903	1.5	7.43	35,617	19,286	Pipe: Cast-iron, sheet and tubesteel, etc.....	638,570	1.2	6.51	297,269	341,310
Riprap, rubble, etc.....	20,275	.6	2.74	20,275		Wire cable, guards, and fencing.....	180,703	.3	1.56	50,357	150,346
Cement.....	424,595	11.5	57.43	400,157	24,438	Bituminous paving materials, tar, asphalt, and oil.....	1,245,513	2.3	10.75	1,165,228	80,285
Lime.....	9,540	.3	1.29	805	8,741	Wood piling and timber.....	100,309	.4	1.64	188,809	1,500
Plaster, etc.....	80,348	1.4	6.81	21,240	59,108	Ready mixed concrete.....	3,488	.03	.38	3,488	
Structural steel.....	30,114	.8	4.07	27,052	2,462	Machinery.....	276,790	.5	2.39	253,790	23,000
Reinforcing steel.....	62,585	1.4	7.11	51,156	1,429	Freight, hauling or trucking to job.....	373,202	.7	3.22	338,328	34,874
Cast iron miscellaneous, excluding pipe.....	4,721	.1	.64	4,721		Chemicals and chemical products.....	4,214	(*)	.04	4,070	144
Metal doors, windows, and trim.....	13,188	.4	1.79	13,038	150	Metal products, n. e. s. (including metal furniture).....	2,317,148	4.3	20.00	1,591	2,315,557
Metal and wire lath and furring.....	12,586	.3	1.70	1,640	10,946	Mineral products (nonmetallic), n. e. s.....	34,737	.1	.30	8,374	26,363
Ornamental metal work.....	34,312	.9	4.64	6,510	28,702	Sealing materials.....	6,899	(*)	.09	5,128	4,778
Lumber, rough and finished.....	516,868	14.1	69.91	372,239	144,629	Textiles and calking materials.....	128,671	.2	1.11	502	128,169
Lath, shingles, and shakes (wood).....	3,509	.1	.47	1,609	1,900	Miscellaneous.....	436,154	.8	3.77	361,659	74,495

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

[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
CALIFORNIA						CALIFORNIA—Continued							
<i>Sand, gravel, stone, slag, cinders, etc.²</i>						<i>Tile, facing, terra cotta, floor and wall</i>							
All classes.....	Dollars 122,487,687	Dollars 14,242,069	100.0	11.6	Dollars 342,073,813	74.8	All classes.....	Dollars 122,487,687	Dollars 2,808,077	100.0	2.3	Dollars 342,073,813	74.8
General contractors ³	66,256,935	13,321,421	93.5	20.1	229,870,705	64.8	General contractors ³	66,256,935	454,900	16.2	.7	229,870,705	64.8
Building.....	31,893,880	3,374,323	23.7	10.6	140,336,048	50.3	Building.....	31,893,880	378,427	13.5	1.2	140,336,048	50.3
Building not specialized ⁴	26,129,748	2,992,571	21.0	11.5	117,224,198	50.3	Building not specialized ⁴	26,129,748	329,370	11.7	1.3	117,224,198	50.3
Commercial building only.....	1,316,228	136,178	1.0	10.3	5,735,347	54.6	Commercial building only.....	1,316,228	9,511	.3	.7	5,735,347	54.6
Manufacturing building only.....	428,394	103,156	.7	24.1	1,901,535	65.0	Manufacturing building only.....	428,394	200	(⁵)	(⁵)	1,901,535	65.0
Residential building only.....	4,019,510	142,418	1.0	3.5	15,414,968	46.6	Residential building only.....	4,019,510	89,346	(⁵)	1.0	15,414,968	46.6
Highway.....	8,198,505	3,202,363	22.5	39.1	21,662,687	90.1	Highway.....	8,198,505	1,133	(⁵)	(⁵)	21,662,687	90.1
Bridge and culvert.....	3,130,508	337,884	2.4	10.8	9,110,481	84.0	Bridge and culvert.....	3,130,508	75,000	2.7	2.4	9,110,481	84.0
Grading.....	243,447	107,664	.8	44.2	2,833,587	93.4	Sewer, gas, water, conduit.....	2,442,371	340	(⁵)	(⁵)	6,064,900	94.2
Street paving.....	14,428,305	5,616,739	36.4	38.9	35,733,431	90.2	Subcontractors.....	56,230,752	2,853,177	83.8	4.2	112,203,108	97.0
Sewer, gas, water, conduit.....	2,442,371	179,655	1.3	7.4	5,054,900	94.2	Heating and plumbing.....	15,870,407	49,639	1.8	.3	20,164,155	97.9
Dam and reservoir.....	2,232,991	172,866	1.2	7.7	5,919,253	90.4	Heating and piping.....	2,899,849	2,371	.1	.1	5,947,166	95.6
Waterworks.....	266,832	36,019	.3	13.5	1,186,517	87.6	Plumbing.....	11,517,113	47,203	1.7	.4	20,448,130	98.5
Dredging, river, harbor, etc.....	1,916,445	212,640	1.5	11.1	5,347,093	93.3	Masonry.....	1,683,119	36,987	1.3	2.2	3,569,973	98.4
Levee.....	8,429	175	(⁵)	2.1	51,438	95.0	Plastering and lathing.....	2,140,769	500	(⁵)	(⁵)	6,300,228	92.6
Railroad.....	97,331	4,138	(⁵)	4.3	104,148	90.7	Roofing and sheet-metal work.....	4,056,902	88,448	3.1	2.2	7,811,532	98.3
Foundation.....	125,400	29,551	.2	23.6	258,654	95.4	Roofing.....	2,898,407	88,448	3.1	3.1	5,364,066	99.3
Central station, light and power plant.....	1,222,834	37,292	.3	3.0	2,052,892	97.1	Marble and tiling.....	3,779,302	2,164,638	70.7	57.0	8,665,937	97.0
Air transport work.....	14,098	2,773	(⁵)	18.5	50,773	100.0	Flooring, n. e. s.....	281,904	22,905	.8	8.1	657,910	99.5
Telephone line and system.....	34,689	7,336	.1	21.1	108,833	96.3							
Subcontractors.....	56,230,752	920,938	6.5	1.6	112,203,108	97.6	Cement¹						
Carpentering and wood flooring.....	1,697,933	5,000	(⁵)	.3	3,735,834	95.5	All classes.....	122,487,687	13,499,857	100.0	11.0	342,073,813	74.8
Concreting.....	968,120	352,072	2.5	30.4	2,550,446	96.9	General contractors ³	66,256,935	12,820,708	92.8	18.9	229,870,705	64.8
Electrical.....	7,491,582	31,578	.2	(⁵)	14,646,783	99.5	Building.....	31,893,880	4,856,027	32.9	13.7	140,336,048	50.3
Heating and plumbing.....	15,870,407	6,389	(⁵)	(⁵)	29,164,155	97.9	Building not specialized ⁴	26,129,748	3,836,588	28.4	14.7	117,224,198	50.3
Heating and piping.....	2,899,849	1,804	(⁵)	.1	5,947,166	95.6	Commercial building only.....	1,316,228	250,957	1.9	10.1	5,735,347	54.6
Plumbing.....	11,517,113	4,500	(⁵)	(⁵)	20,448,130	98.5	Manufacturing building only.....	428,394	134,229	1.0	31.3	1,961,535	65.0
Plumbing and heating combined.....	303,989	25	(⁵)	(⁵)	532,022	97.5	Residential building only.....	4,019,510	133,253	1.0	3.3	15,414,968	46.6
Masonry.....	1,683,119	91,390	.6	5.4	3,566,975	98.4	Highway.....	8,198,505	1,714,317	12.7	20.9	21,662,687	90.1
Glass and glazing.....	1,714,560	275	(⁵)	(⁵)	2,698,243	98.9	Bridge and culvert.....	3,130,508	331,326	2.5	10.6	9,110,481	84.0
Plastering and lathing.....	2,140,769	104,895	1.2	7.7	6,300,228	92.6	Grading.....	243,447	11,404	1.4	4.7	2,833,587	93.4
Roofing and sheet-metal work.....	4,056,902	25,003	.2	.6	7,811,532	98.3	Street paving.....	14,428,305	4,626,435	34.3	32.1	35,733,431	90.2
Roofing.....	2,898,407	25,503	.2	.9	5,364,066	99.3	Sewer, gas, water, conduit.....	2,442,371	231,428	1.7	9.5	5,054,900	94.2
Sheet-metal work.....	1,122,408	100	(⁵)	.1	2,373,454	96.5	Dam and reservoir.....	2,232,991	806,771	6.6	40.1	5,919,253	90.4
Stone work.....	331,075	4,833	(⁵)	1.5	532,343	100.0	Waterworks.....	266,832	18,284	.1	6.9	1,186,517	87.6
Marble and tiling.....	3,779,302	64,981	.5	1.7	8,065,937	97.6	Dredging, river, harbor, etc.....	1,916,445	262,481	1.9	13.7	5,347,093	93.3
Excavating.....	131,579	72,699	.5	55.3	1,733,395	95.5	Levee.....	8,429	640	(⁵)	7.6	51,438	95.0
Bridge and culvert.....	12,969	3,100	(⁵)	23.9	49,110	87.8	Foundation.....	125,400	38,707	.3	30.9	258,654	95.4
Grading.....	20,286	18,409	.1	90.7	218,213	100.0	Central station, light and power plant.....	1,222,834	32,054	.2	2.0	2,052,892	97.1
Street paving.....	210,291	66,832	.5	30.5	622,881	95.6	Air transport work.....	14,098	4,141	(⁵)	27.0	50,773	100.0
Dredging, river, harbor, etc.....	64,259	2,645	(⁵)	4.1	200,004	100.0	Telephone line and system.....	34,689	5,045	(⁵)	14.5	108,833	96.3
Power plant.....	397,826	6,009	(⁵)	1.5	531,601	100.0							
Metal work, n. e. s.....	779,166	200	(⁵)	(⁵)	1,341,399	99.9							
Flooring, n. e. s.....	281,904	3,722	(⁵)	1.3	657,910	99.5							
Brick (face, common, fire, paving, etc.)													
All classes.....	122,487,687	2,493,742	100.0	2.0	342,073,813	74.8	Subcontractors.....	56,230,752	973,149	7.2	1.7	112,203,108	97.6
General contractors ³	66,256,935	1,275,925	51.2	1.9	229,870,705	64.8	Carpentering and wood flooring.....	1,697,933	2,400	(⁵)	.1	3,735,834	95.5
Building.....	31,893,880	1,117,580	44.8	3.5	140,336,048	50.3	Concreting.....	968,120	389,058	2.9	40.3	2,550,446	96.9
Building not specialized ⁴	26,129,748	1,028,734	41.3	3.9	117,224,198	50.3	Electrical.....	7,491,582	24,934	.2	.3	14,646,783	99.5
Commercial building only.....	1,316,228	69,938	2.4	4.6	5,735,347	54.6	Heating and plumbing.....	15,870,407	12,308	.1	.1	29,164,155	97.9
Manufacturing building only.....	428,394	3,574	.1	.8	1,961,535	65.0	Heating and piping.....	2,899,849	2,039	(⁵)	.1	5,947,166	95.6
Residential building only.....	4,019,510	25,330	1.0	.6	15,414,968	46.6	Plumbing and heating combined.....	303,989	24	(⁵)	(⁵)	532,022	97.5
Highway.....	8,198,505	3,822	.2	(⁵)	21,662,687	90.1	Masonry.....	1,683,119	128,751	1.0	7.6	3,566,975	98.4
Bridge and culvert.....	3,130,508	66,893	.2	1.8	9,110,481	84.0	Glass and glazing.....	1,714,560	160	(⁵)	(⁵)	2,698,243	98.9
Grading.....	243,447	679	(⁵)	.2	2,833,587	93.4	Plastering and lathing.....	2,140,769	177,970	1.3	8.3	6,300,228	92.6
Street paving.....	14,428,305	27,496	1.1	.2	35,733,431	90.2	Roofing and sheet-metal work.....	4,056,902	6,180	(⁵)	.2	7,811,532	98.3
Sewer, gas, water, conduit.....	2,442,371	69,793	2.8	2.9	5,054,900	94.2	Roofing.....	2,898,407	6,100	(⁵)	.2	5,364,066	99.3
Dam and reservoir.....	2,232,991	45	(⁵)	(⁵)	5,919,253	90.4	Sheet-metal work.....	1,122,408	20	(⁵)	(⁵)	2,373,454	96.5
Waterworks.....	266,832	161	(⁵)	(⁵)	1,186,517	87.6	Stone work.....	331,075	7,620	.1	2.3	3,562,343	100.0
Dredging, river, harbor, etc.....	1,916,445	286	(⁵)	.2	5,347,093	93.3	Marble and tiling.....	3,779,302	105,800	.8	2.8	8,065,937	97.6
Levee.....	8,429	101	(⁵)	(⁵)	51,438	95.0	Excavating.....	131,579	5,552	(⁵)	4.2	1,733,395	95.5
Foundation.....	125,400	286	(⁵)	.8	258,654	95.4	Bridge and culvert.....	12,969	5,150	(⁵)	30.7	49,116	87.8
Central station, light and power plant.....	1,222,834	37,292	.3	3.0	2,052,892	97.1	Grading.....	20,286	377	(⁵)	1.9	218,213	100.0
Air transport work.....	14,098	2,773	(⁵)	18.5	50,773	100.0	Street paving.....	219,291	90,516	.7	41.3	622,881	95.6
Telephone line and system.....	34,689	7,336	.1	21.1	108,833	96.3	Dredging, river, harbor, etc.....	64,259	3,692	(⁵)	5.7	200,004	100.0
Subcontractors.....	56,230,752	1,218,117	48.8	2.2	112,203,108	97.6	Soundproofing.....	233,413	1,432	(⁵)	.6	435,068	97.0
Carpentering and wood flooring.....	1,697,933	5,000	.2	.3	3,735,834	95.5	Power plant.....	397,826	5,795	(⁵)	1.5	531,601	100.0
Concreting.....	968,120	12,487	.5	1.3	2,550,446	96.9	Metal work, n. e. s.....	779,166	433				

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	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— Total cost				Cost of all distributed materials	Cost of all materials distributed by kind	Amount				Per cent of— Total cost	Cost of all distributed materials
		Dollars	Per cent							Dollars	Per cent				
CALIFORNIA—Continued						CALIFORNIA—Continued									
Structural steel—Con.						Lumber, rough and finished									
General contractors—Contd.	Dollars	Dollars		Dollars		All classes.....	Dollars	Dollars		Dollars					
Building not specialized ²	26,120,748	303,188	4.9	117,224,198	50.3	General contractors ³	60,256,935	11,179,350	87.0	16.9	229,870,705	64.8			
Commercial building only	1,316,228	54,900	.9	5,735,347	54.6	Building.....	31,893,880	9,742,526	75.8	30.5	140,336,048	50.3			
Manufacturing building only	428,304	11,200	.2	1,901,535	65.0	Building not specialized ⁴	26,120,748	7,473,513	58.2	28.6	117,224,198	50.3			
Residential building only	4,019,610	13,120	.2	15,414,908	46.6	Commercial building only	1,316,228	357,837	2.8	27.2	5,735,347	54.6			
Highway	8,198,505	31,083	.5	21,602,687	90.1	Manufacturing building only	428,304	54,743	.4	12.8	1,061,535	65.0			
Bridge and culvert	3,130,508	405,840	6.5	9,110,481	84.6	Residential building only	4,019,610	1,850,433	14.4	40.2	15,414,908	46.6			
Grading	243,447	3,005	(*)	2,833,587	63.4	Highway	8,198,505	411,733	3.2	5.0	21,602,687	90.1			
Street paving	14,428,305	34,934	.6	35,733,431	90.2	Bridge and culvert	3,130,508	206,013	2.3	0.5	9,110,481	84.6			
Sewer, gas, water, conduit	2,442,371	23,272	.4	5,054,900	94.2	Grading	243,447	21,400	.2	8.8	2,833,587	93.4			
Dam and reservoir	2,232,061	40,126	.8	5,019,253	90.4	Street paving	14,428,305	220,922	1.8	1.6	35,733,431	90.2			
Waterworks	206,832	5,740	.1	1,186,517	87.6	Sewer, gas, water, conduit	2,442,371	34,277	.3	1.4	5,054,900	94.2			
Dredging, river, harbor, etc.	1,916,445	140,230	2.3	5,347,093	95.8	Dam and reservoir	2,232,061	43,173	.3	1.9	5,019,253	90.4			
Levee	8,429	2,200	(*)	51,438	95.0	Waterworks	206,832	76,578	.6	25.7	1,186,517	87.6			
Railroad	97,331	44,023	(*)	164,148	90.7	Dredging, river, harbor, etc.	1,916,445	200,610	2.1	14.1	5,347,093	93.3			
Foundation	125,400	215	(*)	258,654	95.4	Railroad	97,331	14,035	.1	14.5	164,148	96.7			
Central station, light and power plant	1,222,834	6,878	.1	2,052,802	97.1	Foundation	125,400	27,086	.2	22.1	258,654	95.4			
Subcontractors	56,230,752	5,104,278	81.9	112,203,108	97.6	Central station, light and power plant	1,222,834	4,741	(*)	.4	2,052,802	97.1			
Carpentering and wood flooring	1,607,938	8,213	.1	3,735,834	65.5	Air transport work	14,998	4,703	(*)	31.8	50,773	100.0			
Concrete	968,120	1,752	(*)	2,550,440	69.9	Telephone line and system	34,689	1,853	(*)	5.3	108,833	96.3			
Electrical	7,491,582	2,000	(*)	14,046,783	69.5	Subcontractors	56,230,752	1,071,340	13.0	3.0	112,203,108	97.6			
Heating and plumbing	15,870,407	14,600	.2	29,164,155	67.9	Carpentering and wood flooring	1,607,938	1,400,517	11.0	83.0	3,735,834	95.5			
Heating and piping	2,899,849	7,601	.1	5,947,166	65.6	Concrete	968,120	24,209	.2	2.5	2,550,440	69.9			
Plumbing	11,617,113	7,000	.1	20,448,130	68.5	Electrical	7,491,582	3,743	(*)	(*)	14,046,783	90.5			
Masonry	1,683,119	30,277	.5	3,560,076	93.4	Elevator construction	3,647,824	500	(*)	(*)	4,030,653	97.2			
Roofing and sheet-metal work	4,050,902	10,227	.2	7,811,532	98.3	Heating and plumbing	15,870,407	78,295	.6	.5	29,164,155	97.9			
Roofing	2,898,407	10,095	.2	5,364,090	99.3	Heating and piping	2,899,849	2,911	(*)	.1	5,947,166	95.6			
Sheet-metal work	1,122,408	132	(*)	2,373,484	93.6	Plumbing	11,617,113	75,884	.6	.7	20,448,130	98.5			
Steel erection	9,122,988	4,001,718	79.6	13,634,252	96.8	Masonry	1,683,119	15,156	.1	.9	3,560,076	98.4			
Marble and tiling	3,779,302	47,191	.8	1,405,532	98.8	Plastering and lathing	1,683,119	6,079	(*)	.2	6,300,228	92.6			
Ornamental iron	686,080	47,191	.8	1,405,532	98.8	Roofing and sheet-metal work	2,140,760	5,879	(*)	.2	6,300,228	92.6			
Metal work, n. e. s.	779,100	29,524	.5	1,341,399	99.0	Roofing	4,050,902	75,387	.6	1.9	7,811,532	98.3			
Reinforcing steel						Roofing	2,898,407	73,394	.6	2.5	5,364,090	99.2			
All classes.....	122,487,687	3,248,827	100.0	342,073,813	74.8	Sheet-metal work	1,122,408	1,903	(*)	.2	2,373,484	96.5			
General contractors	65,858,180	2,777,500	85.5	626,510,528	60.0	Stone work	531,975	2,609	(*)	.8	682,843	100.0			
Building	30,990,134	1,940,005	59.9	139,984,871	51.5	Marble and tiling	3,779,302	2,848	(*)	.1	8,068,987	97.6			
Building not specialized	25,220,022	1,830,427	56.5	113,873,021	51.7	Excavating	131,679	9,871	.1	7.5	1,783,395	95.5			
Commercial building only	1,316,228	81,825	2.5	5,735,347	54.6	Bridge and culvert	12,969	2,044	(*)	15.8	49,116	87.8			
Manufacturing building only	428,304	5,574	.2	1,901,535	65.0	Street paving	210,201	10,274	.1	4.7	622,581	95.6			
Residential building only	4,019,610	22,179	.7	15,414,908	46.6	Dredging, river, harbor, etc.	64,259	30,587	.2	47.0	200,610	100.0			
Highway	8,198,505	224,211	6.9	21,602,687	90.1	Power plant	307,826	402	(*)	.1	531,601	100.0			
Bridge and culvert	3,130,508	226,517	7.0	9,110,481	84.6	Metal work, n. e. s.	779,100	350	(*)	(*)	1,841,899	99.0			
Grading	243,447	3,801	.1	2,833,587	63.4	Flooring, n. e. s.	281,904	109	(*)	(*)	657,910	99.5			
Street paving	14,428,305	121,092	.3	35,733,431	90.2	Millwork									
Sewer, gas, water, conduit	2,442,371	30,818	1.1	5,054,900	94.2	All classes.....	122,487,687	4,170,373	100.0	3.4	342,073,813	74.8			
Dam and reservoir	2,232,061	98,232	3.0	5,019,253	90.4	General contractors ⁵	60,256,935	4,142,006	69.3	6.3	229,870,705	64.8			
Waterworks	206,832	23,640	.7	1,186,517	87.6	Building	31,893,880	3,957,271	64.0	12.4	140,336,048	50.3			
Dredging, river, harbor, etc.	1,916,445	81,583	2.5	5,347,093	95.8	Building not specialized ⁶	26,120,748	3,107,830	74.5	11.9	117,224,198	50.3			
Levee	8,429	350	(*)	51,438	95.0	Commercial building only	1,316,228	50,620	1.2	3.8	5,735,347	54.6			
Foundation	125,400	4,100	.1	258,654	95.4	Residential building only	4,019,610	700,303	10.2	19.9	15,414,908	46.6			
Central station, light and power plant	1,222,834	6,303	.2	2,052,802	97.1	Highway	8,198,505	16,089	.4	5.2	21,602,687	90.1			
Air transport work	14,998	1,092	.1	50,773	100.0	Bridge and culvert	3,130,508	158,321	3.8	5.1	9,110,481	84.6			
Telephone line and system	34,689	2,678	.1	108,833	96.3	Grading	243,447	370	(*)	.2	2,833,587	93.4			
Subcontractors	56,230,752	471,267	14.5	112,203,108	97.6	Street paving	14,428,305	1,397	(*)	(*)	35,733,431	90.2			
Carpentering and wood flooring	1,607,938	2,000	.1	3,735,834	95.5	Sewer, gas, water, conduit	2,442,371	6,065	.2	(*)	5,054,900	94.2			
Concrete	968,120	27,134	.8	2,550,440	69.9	Dam and reservoir	2,232,061	200	(*)	(*)	5,019,253	90.4			
Electrical	7,491,582	302	(*)	14,046,783	99.5	Waterworks	206,832	100	(*)	(*)	1,186,517	87.6			
Heating and plumbing	15,870,407	18,368	.6	29,164,155	97.9	Foundation	125,400	128	(*)	.1	258,654	95.4			
Heating and piping	2,899,849	3,868	.1	5,947,166	65.6	Central station, light and power plant	1,222,834	217	(*)	(*)	2,052,802	97.1			
Plumbing	11,617,113	15,000	.5	20,448,130	68.5	Air transport work	14,998	650	(*)	4.3	50,773	100.0			
Masonry	1,683,119	3,409	.1	3,560,076	98.4	Subcontractors	56,230,752	28,367	.7	.1	112,203,108	97.6			
Plastering and lathing	2,140,760	3,074	.1	6,300,228	92.6	Carpentering and wood flooring	1,607,938	20,825	.5	1.2	3,735,834	95.5			
Roofing and sheet-metal work	2,140,760	408,773	12.0	1,405,532	98.6	Concrete	968,120	2,610	.2	3	2,550,440	69.9			
Roofing	2,898,407	750	(*)	5,364,090	99.3	Electrical	7,491,582	892	(*)	(*)	14,046,783	90.5			
Sheet-metal work	1,122,408	100	(*)	2,373,484	93.6	Heating and plumbing	15,870,407	760	(*)	(*)	29,164,155	97.9			
Steel erection	9,122,988	3,074	.1	13,634,252	96.8	Heating and piping	2,899,849	260	(*)	(*)	5,947,166	95.6			
Marble and tiling	3,779,302	100	(*)	882,843	100.0	Plumbing	11,617,113	600	(*)	(*)	20,448,130	98.5			
Excavating	131,679	1,848	.1	1,783,395	95.5	Masonry	1,683,119	299	(*)	(*)	3,560,076	98.4			
Bridge and culvert	12,969	642	(*)	49,116	87.8	Plastering and lathing	2,140,760	569	(*)	(*)	6,300,228	92.6			
Street paving	219,201	2,943	.1	622,881	95.6	Steel erection	9,122,988	325	(*)	(*)	13,634,252	96.8			
Dredging, river, harbor, etc.	64,259	1,456	(*)	200,610	100.0	Marble and tiling	3,779,302	2,087	.1	.1	8,068,987	97.6			
Power plant	307,826	608	(*)	531,601	100.0										

See footnotes at end of table.

CONSTRUCTION—CALIFORNIA

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	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		
CALIFORNIA—Continued						CALIFORNIA—Continued							
<i>Hardware, rough and finished</i>						<i>Paints, varnishes, glass—Continued.</i>							
All classes.....	Dollars 122,487,687	Dollars 1,873,054	100.0	1.5	Dollars 342,073,813	74.8	Subcontractors—Continued.	Dollars 2,140,769	Dollars 6,248	0.2	0.3	Dollars 6,300,228	92.6
General contractors ²	60,250,935	1,717,206	01.7	2.6	220,870,705	64.8	Plastering and lathing.....	4,050,902	45,033	1.2	1.5	7,811,532	98.3
Building.....	31,893,880	1,510,992	80.7	4.7	140,330,048	50.3	Roofing and sheet-metal work.....	2,898,407	42,024	1.2	1.5	5,304,096	99.3
Building not specialized ³	26,129,748	1,105,241	63.9	4.0	117,224,198	50.3	Roofing.....	1,122,408	2,109	.1	.2	2,373,454	96.5
Commercial building only.....	1,310,228	57,680	3.1	4.4	5,735,347	54.6	Sheet-metal work.....	9,122,988	3,764	.1	(.9)	13,634,252	96.8
Manufacturing building only.....	428,394	3,009	.2	.8	1,961,535	65.0	Steel erection.....	3,770,302	1,000	(.1)	.3	582,343	100.0
Residential building only.....	4,019,510	264,662	18.0	6.3	15,414,968	46.6	Stone work.....	31,937,975	56,005	1.5	1.5	8,665,937	97.6
Highway.....	8,198,505	32,653	1.7	.4	21,662,687	90.1	Marble and tiling.....	3,770,302	1,044	(.1)	1.0	200,064	100.0
Bridge and culvert.....	3,130,508	59,301	3.2	1.9	9,110,481	84.6	Dredging, river, harbor, etc.....	397,826	894	(.1)	.3	531,601	100.0
Grading.....	243,447	10,445	.9	4.3	2,833,587	93.4	Metal work, n. e. s.....	779,166	715	(.1)	.1	1,341,399	99.0
Street paving.....	14,428,305	48,568	2.6	.3	35,733,431	90.2	Floring, n. e. s.....	281,904				657,010	99.5
Sewer, gas, water, conduit.....	2,442,371	8,608	.5	.4	5,054,000	94.2							
Dam and reservoir.....	2,232,961	11,253	.9	.5	5,919,253	90.4							
Waterworks.....	206,832	1,000	.1	.4	1,186,517	87.6							
Dredging, river, harbor, etc.....	1,916,445	28,941	1.5	1.5	5,347,993	93.3							
Levees.....	8,420	944	.1	11.2	51,438	95.0							
Railroad.....	97,331	1,902	.1	2.0	164,148	96.7							
Foundation.....	125,400	738	(.1)	.6	258,654	95.4							
Central station, light and power plant.....	1,222,834	378	(.1)	.1	2,052,862	97.1							
Air transport work.....	14,998	450	(.1)	3.0	50,773	100.0							
Telephone line and system.....	34,689	622	(.1)	1.8	108,833	96.3							
Subcontractors.....	\$ 50,230,752	155,759	8.3	.3	\$112,203,108	97.6							
Carpentering and wood flooring.....	1,697,933	78,062	4.2	4.0	3,735,834	95.5							
Concreting.....	968,120	11,675	.9	1.2	2,550,446	96.0							
Electrical.....	7,491,582	1,523	(.1)	(.1)	14,646,783	99.5							
Elevator construction.....	3,047,824	6,000	.3	.2	4,636,654	97.2							
Heating and plumbing.....	\$ 15,870,407	16,866	.9	.1	29,164,155	97.9							
Heating and piping.....	2,899,849	6,266	.4	.2	5,947,166	95.6							
Plumbing.....	11,517,113	10,600	.9	.1	20,448,130	98.5							
Masonry.....	1,683,119	3,415	.2	.2	3,566,675	98.4							
Plastering and lathing.....	2,140,769	2,867	.2	.1	6,300,228	92.6							
Roofing and sheet-metal work.....	\$ 4,050,902	14,439	.8	.4	\$ 7,811,532	98.3							
Roofing.....	2,898,407	9,607	.5	.3	5,364,096	99.3							
Sheet-metal work.....	1,122,408	4,832	.3	.4	2,373,454	96.5							
Steel erection.....	9,122,988	3,621	.2	(.4)	13,634,252	96.8							
Marble and tiling.....	3,770,302	3,520	.2	.1	8,665,937	97.6							
Excavating.....	131,879	3,076	.2	2.3	1,783,395	95.5							
Ornamental iron.....	686,080	1,811	.1	.3	1,406,532	98.8							
Street paving.....	219,291	1,500	.1	.7	622,381	95.6							
Dredging, river, harbor, etc.....	64,259	2,351	.1	3.7	200,094	100.0							
Power plant.....	397,826	2,559	.1	.6	531,601	100.0							
Metal work, n. e. s.....	779,166	2,540	.1	.3	1,341,399	99.0							
<i>Paints, varnishes, glass</i>						<i>Roofing and sheet-metal work.....</i>							
All classes.....	122,487,687	3,675,149	100.0	3.0	342,073,813	74.8	Roofing.....	2,898,407	2,875	.1	.1	3,566,675	98.4
General contractors ²	60,250,935	404,182	11.0	.6	220,870,705	64.8	Painting and decorating.....	1,511,061	10,248	.3	.7	6,795,159	99.0
Building.....	31,893,880	358,300	9.7	1.1	140,330,048	50.3	Roofing and sheet-metal work.....	4,050,902	3,260,289	82.4	80.4	7,811,532	98.3
Building not specialized ³	26,129,748	273,897	7.5	1.0	117,224,198	50.3	Roofing.....	2,898,407	2,373,448	60.0	81.9	5,304,096	99.3
Commercial building only.....	1,310,228	12,431	.8	.9	5,735,347	54.6	Sheet-metal work.....	1,122,408	850,754	21.5	75.8	2,373,454	96.5
Manufacturing building only.....	428,394	2,500	.1	.6	1,961,535	65.0	Roofing and sheet metal combined.....	36,087	36,087	.9	100.0	73,982	100.0
Residential building only.....	4,019,510	69,472	1.9	(.1)	15,414,968	46.6	Steel erection.....	9,122,988	5,910	.1	.1	13,634,252	96.8
Highway.....	8,198,505	913	(.1)	(.1)	21,662,687	90.1	Marble and tiling.....	3,770,302	13,649	.3	.4	8,665,937	97.6
Bridge and culvert.....	3,130,508	27,774	.8	.9	9,110,481	84.6	Metal work, n. e. s.....	779,166	575	(.1)	.1	1,341,399	99.0
Grading.....	243,447	3,000	.1	1.2	2,833,587	93.4							
Street paving.....	14,428,305	3,242	.1	(.1)	35,733,431	90.2							
Sewer, gas, water, conduit.....	2,442,371	1,027	(.1)	(.1)	5,054,000	94.2							
Dam and reservoir.....	2,232,961	2,950	.1	.1	5,919,253	90.4							
Waterworks.....	206,832	379	(.1)	.1	1,186,517	87.6							
Dredging, river, harbor, etc.....	1,916,445	4,562	.1	.2	5,347,993	93.3							
Levees.....	8,420	944	.1	.6	258,654	95.4							
Railroad.....	97,331	1,430	(.1)	.1	2,052,862	97.1							
Foundation.....	125,400	60	(.1)	.4	50,773	100.0							
Central station, light and power plant.....	1,222,834	1,430	(.1)	.1	2,052,862	97.1							
Air transport work.....	14,998	60	(.1)	.4	50,773	100.0							
Subcontractors.....	\$ 50,230,752	\$ 3,270,907	89.0	5.8	\$112,203,108	97.6							
Carpentering and wood flooring.....	1,697,933	58,825	1.6	3.5	3,735,834	95.5							
Concreting.....	968,120	1,468	(.1)	.2	2,550,446	96.0							
Electrical.....	7,491,582	14,145	.4	.2	14,646,783	99.5							
Elevator construction.....	3,047,824	250	(.1)	(.1)	4,636,654	97.2							
Heating and plumbing.....	\$ 15,870,407	15,387	.4	.1	29,164,155	97.9							
Heating and piping.....	2,899,849	8,137	.2	.3	5,947,166	95.6							
Plumbing.....	11,517,113	7,150	.2	.1	20,448,130	98.5							
Plumbing and heating combined.....	303,989	100	(.1)	(.1)	532,022	97.5							
Masonry.....	1,683,119	1,678	(.1)	.1	3,566,675	98.4							
Painting and decorating.....	1,511,061	1,474,168	40.1	97.6	6,796,169	99.0							
Glass and glazing.....	1,714,500	1,588,471	43.2	92.6	2,698,243	98.9							
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	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			
CALIFORNIA—Continued						CALIFORNIA—Continued								
<i>Heating and ventilating equipment—Continued</i>						<i>Elevators, dumb-waiters, and equipment</i>								
Subcontractors—Continued.	Dollars	Dollars			Dollars		Dollars	Dollars		Dollars				
Masonry	1,083,119	402	(*)	(*)	3,560,076	98.4	122,487,087	3,922,672	100.0	3,284,078,813	74.8			
Roofing and sheet-metal work	4,056,002	74,320	1.4	1.8	7,811,532	98.3	General contractors	65,353,189	147,504	3.8	22,519,528	66.0		
Sheet-metal work	1,122,408	74,320	1.4	0.6	2,373,454	96.5	Building	30,990,134	62,324	1.6	13,984,871	51.5		
Steel erection	9,122,988	408,341	0.1	5.1	13,634,252	96.8	Building not specialized	25,226,002	55,102	1.4	11,873,021	51.7		
Metal work, n. e. s.	779,166	1,408	(*)	.2	1,341,399	99.0	Residential building only	4,019,510	7,222	.2	15,414,968	46.0		
<i>Plumbing and gas fitting equipment¹</i>						<i>Pipe: Drain tile, vitrified, concrete, segment tile, corrugated</i>								
All classes	122,487,087	11,953,473	100.0	0.8	342,073,813	74.8	All classes	122,487,087	3,462,209	100.0	2.8	342,073,813	74.8	
General contractors	60,250,935	1,050,805	8.9	1.6	220,870,705	64.8	General contractors	60,250,935	3,303,048	97.1	5.1	220,870,705	64.8	
Building	31,893,880	682,110	5.7	2.1	140,336,048	50.3	Building	31,893,880	43,363	1.3	140,336,048	50.3		
Building not specialized	20,129,748	451,177	3.8	1.7	117,224,198	50.3	Building not specialized	26,129,748	35,941	1.0	117,224,198	50.3		
Commercial building only	1,316,228	79,281	.7	0.0	5,735,347	54.6	Commercial building only	1,316,228	2,600	.1	5,735,347	54.6		
Residential building only	4,019,510	151,601	1.3	3.8	15,414,968	46.0	Manufacturing building only	428,394	50	(*)	1,901,535	65.0		
Highway	8,198,505	18,771	.2	.2	21,662,687	90.1	Residential building only	4,019,510	4,772	.1	15,414,968	46.0		
Bridge and culvert	3,130,508	200,536	1.8	0.7	9,110,481	84.6	Highway	8,198,505	170,273	4.9	21,662,687	90.1		
Grading	243,447	1,033	(*)	.4	2,833,587	93.4	Bridge and culvert	3,130,508	4,882	.1	9,110,481	84.6		
Street paving	14,428,305	40,621	.3	.3	35,733,431	90.2	Grading	243,447	10,700	.3	2,833,587	93.4		
Sewer, gas, water, conduit	2,442,371	34,100	.3	1.4	5,054,900	94.2	Street paving	14,428,305	528,593	15.3	37,357,587	90.2		
Dam and reservoir	2,232,961	72,273	.6	3.2	5,919,253	90.4	Sewer, gas, water, conduit	2,442,371	1,536,799	44.4	6,054,900	94.2		
Waterworks	260,832	250	(*)	.1	1,186,517	87.6	Dam and reservoir	2,232,961	471,810	21.6	5,919,253	90.4		
Dredging, river, harbor, etc.	1,916,445	150	(*)	(*)	5,347,093	93.3	Waterworks	260,832	473	(*)	1,186,517	87.6		
Levees	8,429	300	(*)	4.6	51,438	95.0	Dredging, river, harbor, etc.	1,916,445	581,737	16.8	5,347,093	93.3		
Foundation	125,400	622	(*)	.5	258,654	95.4	Railroad	97,331	2,206	.1	164,148	96.7		
Subcontractors	56,230,752	10,893,608	91.1	10.4	112,203,108	97.6	Foundation	125,400	3,072	.1	258,654	95.4		
Concrete	968,120	6,598	.1	.7	2,550,446	96.9	Central station, light and power plant	1,222,834	439	(*)	2,052,862	97.1		
Electrical	7,491,582	12,000	.1	.2	14,646,783	99.5	Air transport work	14,908	187	(*)	50,773	100.0		
Heating and plumbing	15,870,407	10,737,126	80.8	67.7	20,164,155	97.0	Telephone line and system	34,089	7,964	.2	108,833	96.3		
Heating and piping	2,899,849	281,177	2.4	9.7	5,947,166	95.6	Subcontractors	56,230,752	99,251	2.9	112,203,108	97.6		
Plumbing	11,517,113	9,446,329	70.0	82.0	20,448,130	98.5	Concrete	968,120	7,841	.2	2,550,446	96.9		
Plumbing and heating combined	303,989	200,681	1.7	66.0	532,022	97.5	Electrical	7,491,582	29,401	.8	14,646,783	99.5		
Automatic sprinkler systems	810,430	808,039	6.8	90.8	1,425,887	98.0	Heating and plumbing	15,870,407	37,872	1.1	20,164,155	97.0		
Masonry	1,893,110	2,489	(*)	.1	3,560,076	98.4	Heating and piping	2,899,849	3,096	.1	5,947,166	95.6		
Roofing and sheet-metal work	4,056,002	120,616	1.1	3.2	7,811,532	98.3	Plumbing	11,517,113	34,426	1.0	20,448,130	98.5		
Sheet-metal work	1,122,408	129,616	1.1	11.5	2,373,454	96.5	Plumbing and heating combined	303,989	50	(*)	532,022	97.5		
Steel erection	9,122,988	288	(*)	(*)	13,634,252	96.8	Roofing and sheet-metal work	4,056,002	45	(*)	7,811,532	98.3		
Marble and tiling	3,770,302	1,888	(*)	(*)	8,005,937	97.6	Sheet-metal work	1,122,408	45	(*)	2,373,454	96.5		
Excavating	131,579	3,608	(*)	2.7	1,783,395	95.5	Excavating	131,579	11,773	.3	1,783,395	95.5		
<i>Electrical appliances and supplies²</i>						<i>Bituminous paving materials, tar, asphalt, and oil</i>								
All classes	122,487,087	9,210,465	100.0	7.5	342,073,813	74.8	All classes	122,487,087	3,960,153	100.0	3.2	342,073,813	74.8	
General contractors	60,250,935	1,579,867	17.2	2.4	220,870,705	64.8	General contractors	60,250,935	3,826,028	96.6	5.8	220,870,705	64.8	
Building	31,893,880	345,433	3.8	1.1	140,336,048	50.3	Building	31,893,880	12,018	.3	140,336,048	50.3		
Building not specialized	20,129,748	250,179	2.7	1.0	117,224,198	50.3	Building not specialized	26,129,748	11,748	.3	117,224,198	50.3		
Commercial building only	1,316,228	50,505	.5	3.8	5,735,347	54.6	Residential building only	4,019,510	270	(*)	15,414,968	46.0		
Manufacturing building only	428,394	4,063	(*)	.0	1,901,535	65.0	Highway	8,198,505	1,637,139	41.3	21,662,687	90.1		
Residential building only	4,019,510	40,636	.4	1.0	15,414,968	46.0	Bridge and culvert	3,130,508	20,861	.5	9,110,481	84.6		
Highway	8,198,505	936	(*)	(*)	21,662,687	90.1	Grading	243,447	28,602	.7	2,833,587	93.4		
Bridge and culvert	3,130,508	188,909	2.1	6.0	9,110,481	84.6	Street paving	14,428,305	2,098,877	53.0	35,733,431	90.2		
Grading	243,447	3,000	(*)	1.2	2,833,587	93.4	Sewer, gas, water, conduit	2,442,371	10,888	.3	6,054,900	94.2		
Street paving	14,428,305	73,202	.8	.5	35,733,431	90.2	Waterworks	260,832	997	(*)	1,186,517	87.6		
Sewer, gas, water, conduit	2,442,371	16,498	.2	.7	5,054,900	94.2	Dredging, river, harbor, etc.	1,916,445	2,049	.1	5,347,093	93.3		
Dam and reservoir	2,232,961	662	(*)	.4	5,919,253	90.4	Railroad	97,331	329	(*)	164,148	96.7		
Waterworks	260,832	36,000	(*)	13.5	1,186,517	87.6	Foundation	125,400	4,468	.1	258,654	95.4		
Dredging, river, harbor, etc.	1,916,445	472	(*)	(*)	5,347,093	93.3	Central station, light and power plant	1,222,834	10,600	.3	2,052,862	97.1		
Foundation	125,400	82	(*)	.1	258,654	95.4	Subcontractors	56,230,752	134,125	3.4	112,203,108	97.6		
Central station, light and power plant	1,222,834	914,674	9.9	74.8	2,052,862	97.1	Carpentering and wood flooring	1,697,933	1,172	(*)	3,735,834	95.5		
Subcontractors	56,230,752	7,630,598	82.8	13.6	112,203,108	97.6	Concrete	968,120	6,309	.2	2,550,446	96.9		
Concrete	968,120	333	(*)	(*)	2,550,446	96.9								
Electrical	7,491,582	7,184,763	78.0	95.9	14,646,783	99.5								
Elevator construction	3,047,824	12,750	.1	.4	4,636,654	97.2								
Heating and plumbing	15,870,407	139,779	1.5	9.9	29,164,155	97.9								
Heating and piping	2,899,849	23,079	.3	.8	5,947,166	96.6								
Plumbing	11,517,113	116,700	1.3	1.0	20,448,130	98.5								
Plastering and lathing	2,140,769	132	(*)	(*)	6,300,228	92.6								
Roofing and sheet-metal work	4,056,002	125	(*)	(*)	7,811,532	98.3								
Sheet-metal work	1,122,408	125	(*)	(*)	2,373,454	96.5								
Ornamental iron	580,080	18,167	(*)	3.1	1,405,532	98.8								
Grading	20,286	1,500	(*)	7.4	218,213	100.0								
Power plant	307,826	273,059	3.0	68.6	531,601	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

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
CALIFORNIA—Continued						LONG BEACH—Continued									
<i>Bituminous paving materials, tar, asphalt, and oil—Continued.</i>						<i>Cut stone, granite and marble</i>									
Subcontractors—Continued.						All classes.....									
Heating and plumbing.....	Dollars	Dollars			Dollars		Dollars	Dollars			Dollars				
Plumbing.....	15,370,407	10,000	.3	.1	29,164,155	97.9	3,676,618	54,063	100.0	1.5	8,784,903	82.0			
Roofing and sheet-metal work.....	4,050,902	82,284	2.1	2.0	7,811,532	98.3	General contractors.....	2,098,636	35,617	64.8	1.7	5,672,550	74.8		
Roofing.....	2,898,407	82,284	2.1	2.8	5,364,096	90.3	Building.....	1,084,279	12,355	22.5	1.1	3,396,683	65.1		
Marble and tiling.....	3,779,302	4,320	.1	.1	8,695,937	97.6	Building not specialized.....	896,228	12,355	22.5	1.4	2,615,956	65.9		
Bridges and culvert.....	12,069	2,133	.1	16.4	49,116	87.8	Commercial building only.....	39,187	23,262	42.3	3.7	1,254,468	92.7		
Street paving.....	21,401	21,401	.5	9.8	622,881	95.6	Residential building only.....	148,864	3,176	.7	8.1	136,223	57.4		
Flooring, n. e. s.....	281,904	0,446	.2	2.3	657,910	90.5	Highway.....	242,474	1,082	.5	1.3	644,504	46.6		
<i>Metal products, n. e. s., (including metal furniture)</i>						<i>Cement</i>									
All classes.....						342,073,813	74.8	All classes.....							
General contractors.....	605,353,180	22,477	.8	(*)	9226,519,528	66.0	General contractors.....	2,098,636	400,167	94.2	10.1	5,672,550	74.8		
Building.....	30,990,134	22,293	.8	.1	136,984,871	51.3	Building.....	1,084,279	88,903	20.9	8.2	3,396,683	65.1		
Building not specialized.....	25,226,022	58	(*)	(*)	113,873,021	51.7	Building not specialized.....	896,228	83,745	19.7	9.3	2,615,956	65.9		
Commercial building only.....	1,316,208	14,708	.5	1.1	5,735,347	54.0	Commercial building only.....	39,187	3,176	.7	8.1	136,223	57.4		
Manufacturing building only.....	428,394	6,000	.2	1.4	1,961,535	65.0	Residential building only.....	148,864	1,082	.5	1.3	644,504	46.6		
Residential building only.....	4,019,510	1,527	.1	(*)	15,414,908	46.6	Highway.....	242,474	76,875	18.1	31.7	619,946	88.7		
Dredging, river, harbor, etc.....	1,916,445	184	(*)	(*)	5,347,093	93.3	Street paving.....	620,414	205,805	48.5	33.2	1,254,468	92.7		
Subcontractors.....	56,230,752	2,705,395	99.2	4.8	112,203,108	97.6	Dredging, river, harbor, etc.....	32,600	15,400	3.6	47.2	57,800	100.0		
Steel erection.....	9,122,688	2,244,700	32.3	24.6	13,634,252	96.8	Central station, light and power plant.....	43,913	13,174	3.1	30.0	123,264	99.4		
Marble and tiling.....	3,779,302	103	(*)	(*)	8,695,937	97.6	Subcontractors.....	1,577,982	24,438	5.8	1.5	3,112,353	99.1		
Metal work, n. e. s.....	779,166	457,301	16.8	58.7	1,341,399	99.0	Concreting.....	17,300	5,000	1.2	28.9	52,332	100.0		
Flooring, n. e. s.....	281,904	3,231	.1	1.1	657,910	99.5	Masonry.....	140,228	7,559	1.8	5.4	245,801	94.3		
LONG BEACH						Plaster, etc.									
<i>Sand, gravel, stone, slag, cinders, etc.¹</i>						All classes.....									
All classes.....						8,784,903	82.0	All classes.....							
General contractors.....	2,098,636	404,701	91.5	19.3	5,672,550	74.8	General contractors.....	2,098,636	21,240	42.2	1.0	5,672,550	74.8		
Building.....	1,084,279	69,067	15.0	6.4	3,396,683	65.1	Building.....	1,084,279	21,240	42.2	2.0	3,396,683	65.1		
Building not specialized.....	896,228	60,311	13.6	6.7	2,615,956	65.9	Building not specialized.....	896,228	15,240	30.3	1.7	2,615,956	65.9		
Commercial building only.....	39,187	2,971	.7	7.6	136,223	57.4	Residential building only.....	148,864	6,000	11.9	4.0	644,504	46.6		
Residential building only.....	148,864	5,785	1.3	3.9	644,504	46.6	Subcontractors.....	1,577,982	20,108	57.8	1.8	3,112,353	99.1		
Highway.....	242,474	111,846	25.3	46.1	619,946	88.7	Plastering and lathing.....	53,294	28,690	57.0	53.8	194,796	90.8		
Bridges and culvert.....	74,950	23,756	5.4	31.7	220,389	92.7	Roofing and sheet-metal work.....	163,695	418	.8	.3	287,212	100.0		
Street paving.....	620,414	173,954	39.3	28.0	1,254,468	92.7	Roofing.....	163,695	926	.2	.6	287,212	100.0		
Dredging, river, harbor, etc.....	32,600	15,100	3.4	46.3	57,800	100.0	Marble and tiling.....	218,893	5,953	1.4	2.7	443,951	100.0		
Central station, light and power plant.....	43,913	10,978	2.5	25.0	123,264	99.4	Reinforcing steel								
Subcontractors.....	1,577,982	37,530	8.5	2.4	3,112,353	99.1	All classes.....								
Concreting.....	17,300	9,000	52.0	62.0	52,332	100.0	All classes.....								
Masonry.....	140,228	18,000	4.1	12.8	245,801	94.3	General contractors.....	2,098,636	51,156	97.3	2.4	5,672,550	74.8		
Plastering and lathing.....	53,294	4,654	1.1	8.7	194,796	90.8	Building.....	1,084,279	36,815	70.0	3.4	3,396,683	65.1		
Roofing and sheet-metal work.....	163,695	2,530	.6	1.5	287,212	100.0	Building not specialized.....	896,228	36,410	69.2	4.1	2,615,956	65.9		
Roofing.....	163,695	2,530	.6	1.5	287,212	100.0	Commercial building only.....	39,187	405	.8	1.0	136,223	57.4		
Marble and tiling.....	218,893	3,346	.8	1.6	443,951	100.0	Bridges and culvert.....	74,950	8,500	16.2	11.3	220,389	92.7		
<i>Brick (face, common, fire, paving, etc.)</i>						<i>Lumber, rough and finished</i>									
All classes.....						8,784,903	82.0	All classes.....							
General contractors.....	2,098,636	33,053	32.2	1.8	5,672,550	74.8	All classes.....								
Building.....	1,084,279	38,053	32.2	3.5	3,396,683	65.1	General contractors.....	2,098,636	372,239	72.0	17.7	5,672,550	74.8		
Building not specialized.....	896,228	37,402	31.7	4.2	2,615,956	65.9	Building.....	1,084,279	354,568	68.6	32.7	3,396,683	65.1		
Commercial building only.....	39,187	621	.5	1.6	136,223	57.4	Building not specialized.....	896,228	251,293	48.6	28.0	2,615,956	65.9		
Residential building only.....	148,864	30	(*)	(*)	644,504	46.6	Commercial building only.....	39,187	18,550	3.6	47.3	136,223	57.4		
Subcontractors.....	1,577,982	80,065	67.8	5.1	3,112,353	99.1	Residential building only.....	148,864	84,780	16.4	57.0	644,504	46.6		
Masonry.....	140,228	80,065	67.8	57.1	245,801	94.3	Highway.....	242,474	4,480	.9	1.8	619,946	88.7		
<i>Tile, facing, terra cotta, floor and wall</i>						<i>Lumber, rough and finished</i>									
All classes.....						8,784,903	82.0	All classes.....							
General contractors.....	2,098,636	13,721	6.4	.7	5,672,550	74.8	General contractors.....	2,098,636	516,868	100.0	14.1	8,784,903	82.0		
Building.....	1,084,279	13,721	6.4	1.3	3,396,683	65.1	Building.....	1,084,279	372,239	72.0	17.7	5,672,550	74.8		
Building not specialized.....	896,228	13,471	6.3	1.5	2,615,956	65.9	Building.....	1,084,279	354,568	68.6	32.7	3,396,683	65.1		
Residential building only.....	148,864	250	.1	.2	644,504	46.6	Building not specialized.....	896,228	251,293	48.6	28.0	2,615,956	65.9		
Subcontractors.....	1,577,982	200,264	93.6	12.7	3,112,353	99.1	Commercial building only.....	39,187	18,550	3.6	47.3	136,223	57.4		
Masonry.....	140,228	3,929	1.8	2.8	245,801	94.3	Residential building only.....	148,864	84,780	16.4	57.0	644,504	46.6		
Roofing and sheet-metal work.....	163,695	6,901	3.2	4.2	287,212	100.0	Highway.....	242,474	4,480	.9	1.8	619,946	88.7		
Roofing.....	163,695	6,901	3.2	4.2	287,212	100.0	Street paving.....	620,414	7,850	1.5	1.3	1,254,468	92.7		
Marble and tiling.....	218,893	189,434	88.5	86.5	443,951	100.0	Dredging, river, harbor, etc.....	32,600	1,000	.2	3.1	57,800	100.0		
						Central station, light and power plant.....									
						43,913									
						4,391									
						8.8									
						10.0									
						123,264									
						99.4									
						144,629									
						28.0									
						9.2									
						3,112,353									
						99.1									
						142,943									
						135,915									
						26.3									
						95.1									
						272,406									
						100.0									
						17,300									
						3,000									
						.6									
						17.3									
						52,332									
						100.0									
						140,228									
						6,714									
						1.1									
						4.1									
						245,861									
						94.3									

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					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		
LONG BEACH—Continued						LONG BEACH—Continued							
<i>Millwork</i>						<i>Plumbing and gas-fitting equipment²</i>							
All classes.....	Dollars 3,676,618	Dollars 114,486	100.0	3.1	Dollars 8,784,903	82.0	All classes.....	Dollars 3,676,618	Dollars 341,051	100.0	9.3	Dollars 8,784,903	82.0
General contractors.....	\$ 2,098,636	109,646	95.8	5.2	\$ 5,072,550	74.8	General contractors.....	\$ 2,098,636	10,530	4.8	.8	\$ 5,072,550	74.8
Building.....	1,084,279	109,429	95.0	10.1	3,396,683	65.1	Building.....	1,084,279	8,080	2.4	.7	3,396,683	65.1
Building not specialized.....	896,228	91,656	80.1	10.2	2,615,956	65.9	Building not specialized.....	896,228	6,300	1.8	.7	2,615,956	65.9
Commercial building only.....	39,187	1,143	1.0	2.9	136,223	57.4	Commercial building only.....	39,187	1,780	.5	1.2	144,504	46.6
Residential building only.....	148,864	16,630	14.6	11.2	644,504	46.6	Residential building only.....	148,864	8,300	2.4	11.1	220,389	92.7
Central station, light and power plant.....	43,913	217	.2	.5	123,264	99.4	Bridge and culvert.....	74,956	150	(³)	.5	57,800	100.0
Subcontractors.....	\$ 1,577,982	4,840	4.2	.3	\$ 3,112,353	99.1	Dredging, river, harbor, etc.....	32,600					
Carpentering and wood flooring.....	142,943	4,081	4.1	3.3	272,406	100.0	Subcontractors.....	\$ 1,577,982	324,621	95.2	20.6	\$ 3,112,353	99.1
Masonry.....	140,228	159	.1	.1	245,861	94.3	Heating and plumbing.....	\$ 437,993	324,621	95.2	74.1	\$ 840,650	99.9
<i>Hardware, rough and finished</i>						<i>Electrical appliances and supplies³</i>							
All classes.....	3,676,618	52,587	100.0	1.4	8,784,903	82.0	All classes.....	3,676,618	355,540	100.0	9.7	8,784,903	82.0
General contractors.....	\$ 2,098,636	50,340	95.7	2.4	\$ 5,072,550	74.8	General contractors.....	\$ 2,098,636	10,024	4.5	.8	\$ 5,072,550	74.8
Building.....	1,084,279	46,040	87.6	4.2	3,396,683	65.1	Building.....	1,084,279	10,385	2.9	1.0	3,396,683	65.1
Building not specialized.....	896,228	32,261	61.3	3.0	2,615,956	65.9	Building not specialized.....	896,228	10,090	2.8	1.1	2,615,956	65.9
Commercial building only.....	39,187	884	1.7	2.3	136,223	57.4	Commercial building only.....	39,187	105	.1	.5	136,223	57.4
Residential building only.....	148,864	12,865	24.5	8.7	644,504	46.6	Residential building only.....	148,864	100	(⁴)	.1	644,504	46.6
Bridge and culvert.....	74,956	3,000	6.7	4.0	220,389	92.7	Bridge and culvert.....	74,956	5,200	1.5	6.9	220,389	92.7
Street paving.....	620,414	172	.3	(⁵)	1,254,468	92.7	Central station, light and power plant.....	43,913	439	.1	1.0	123,264	99.4
Dredging, river, harbor, etc.....	32,600	250	.5	.8	57,800	100.0	Subcontractors.....	\$ 1,577,982	339,516	95.5	21.5	\$ 3,112,353	99.1
Central station, light and power plant.....	43,913	878	1.7	2.0	123,264	99.4	Electrical.....	339,516	339,516	95.5	100.0	620,386	100.0
Subcontractors.....	\$ 1,577,982	2,247	4.3	.1	\$ 3,112,353	99.1	<i>Pipe: Cast-iron, sheet and tube steel, etc.</i>						
Carpentering and wood flooring.....	142,943	1,671	3.2	1.2	272,406	100.0	All classes.....	\$ 3,676,618	121,255	100.0	3.3	8,784,903	82.0
Masonry.....	140,228	576	1.1	.4	245,861	94.3	General contractors.....	\$ 2,098,636	121,255	100.0	5.8	\$ 5,072,550	74.8
<i>Paints, varnishes, glass</i>						<i>Bituminous paving materials, tar, asphalt, and oil</i>							
All classes.....	3,676,618	55,308	100.0	1.5	8,784,903	82.0	All classes.....	\$ 3,676,618	193,212	100.0	5.3	8,784,903	82.0
General contractors.....	\$ 2,098,636	10,800	85.9	.9	\$ 5,072,550	74.8	General contractors.....	\$ 2,098,636	187,098	97.1	8.9	\$ 5,072,550	74.8
Building.....	1,084,279	18,651	33.7	1.7	3,396,683	65.1	Highway.....	242,474	38,430	18.0	15.0	619,946	88.7
Building not specialized.....	896,228	14,615	26.4	1.6	2,615,956	65.9	Bridge and culvert.....	74,956	6,000	3.1	8.0	220,389	92.7
Commercial building only.....	39,187	1,521	2.7	3.9	136,223	57.4	Street paving.....	620,414	145,262	75.2	23.4	1,254,468	92.7
Residential building only.....	148,864	2,515	4.5	1.7	644,504	46.6	Subcontractors.....	\$ 1,577,982	5,514	2.9	.3	\$ 3,112,353	99.1
Bridge and culvert.....	74,956	800	1.4	1.1	220,389	92.7	Roofing and sheet-metal work.....	163,695	5,514	2.9	3.4	287,212	100.0
Central station, light and power plant.....	43,913	430	.8	1.0	123,264	99.4	Roofing.....	163,695	5,514	2.9	3.4	287,212	100.0
Subcontractors.....	\$ 1,577,982	35,508	64.1	2.3	\$ 3,112,353	99.1	LOS ANGELES						
Painting and decorating.....	35,508	35,508	64.1	100.0	101,832	100.0	<i>Sand, gravel, stone, slag, cinders, etc.²</i>						
<i>Roofing and sheet metal</i>						<i>Sand, gravel, stone, slag, cinders, etc.²</i>							
All classes.....	3,676,618	144,431	100.0	3.1	8,784,903	82.0	All classes.....	53,407,195	6,356,138	100.0	11.9	140,710,051	76.7
General contractors.....	\$ 2,098,636	19,185	13.8	.9	\$ 5,072,550	74.8	General contractors.....	\$ 28,055,110	5,980,110	94.2	21.3	\$ 91,893,395	66.6
Building.....	1,084,279	18,746	13.0	1.7	3,396,683	65.1	Building.....	13,402,632	1,634,115	25.7	12.2	57,445,425	51.8
Building not specialized.....	896,228	15,201	10.5	1.7	2,615,956	65.9	Building not specialized.....	10,566,738	1,400,793	22.0	13.3	46,869,855	62.4
Commercial building only.....	39,187	740	.5	1.9	136,223	57.4	Commercial building only.....	827,349	91,468	1.4	11.1	3,464,411	63.1
Residential building only.....	148,864	2,805	1.9	1.9	644,504	46.6	Manufacturing building only.....	332,087	91,106	1.4	27.4	1,571,785	43.4
Central station, light and power plant.....	43,913	439	.3	1.0	123,264	99.4	Residential building only.....	1,676,462	50,748	.8	3.0	5,539,374	47.0
Subcontractors.....	\$ 1,577,982	125,246	86.7	7.9	\$ 3,112,353	99.1	Highway.....	1,882,311	796,439	12.5	42.3	4,647,047	62.2
Roofing and sheet-metal work.....	163,695	125,246	86.7	76.5	287,212	100.0	Bridge and culvert.....	420,718	85,201	1.3	20.3	1,079,348	65.0
Roofing.....	163,695	125,246	86.7	76.5	287,212	100.0	Grading.....	10,644	10,644	.2	100.0	100,396	67.4
<i>Heating and ventilating equipment</i>						<i>Street paving.....</i>							
All classes.....	3,676,618	118,729	100.0	3.2	8,784,903	82.0	Street paving.....	7,817,464	3,158,586	40.7	40.4	19,293,411	89.1
General contractors.....	\$ 2,098,636	4,855	4.1	.2	\$ 5,072,550	74.8	Sewer, gas, water, conduit.....	1,417,107	114,719	1.8	8.1	2,031,379	66.3
Building.....	1,084,279	4,855	4.1	.4	3,396,683	65.1	Dam and reservoir.....	1,396,345	134,920	2.1	9.7	3,548,731	69.2
Building not specialized.....	896,228	3,280	2.8	.4	2,615,956	65.9	Waterworks.....	30,747	4,581	.1	14.9	105,391	67.4
Commercial building only.....	39,187	740	.5	1.9	136,223	57.4	Dredging, river, harbor, etc.....	637,916	40,685	.7	7.3	1,627,712	94.2
Residential building only.....	148,864	1,575	1.3	1.1	644,504	46.6	Central station, light and power plant.....	950,833	3,314	.1	.3	1,883,713	100.0
Central station, light and power plant.....	43,913	439	.3	1.0	123,264	99.4	Subcontractors.....	\$ 25,352,085	367,028	5.8	1.4	\$ 48,816,656	97.4
Subcontractors.....	\$ 1,577,982	113,874	95.9	7.2	\$ 3,112,353	99.1	Concrete.....	377,464	129,465	2.6	34.3	1,214,063	94.8
Heating and plumbing.....	437,993	113,882	95.5	25.9	849,659	99.9	Electrical.....	\$ 3,075,478	30,478	.5	1.0	5,714,275	99.1
Heating and piping.....	111,632	111,632	100.0	100.0	292,128	100.0							
Plumbing.....	326,271	1,750	1.5	.5	557,522	99.8							
Masonry.....	140,228	492	.4	.4	245,861	94.3							

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				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
LOS ANGELES—Continued						LOS ANGELES—Continued							
<i>Sand, gravel, stone, slag, cinders, etc.—Continued</i>						<i>Cement²</i>							
						All classes.....							
						Dollars 53,407,195 6,336,310 100.0 11.9							
						Dollars 140,710,051 70.7							
Subcontractors—Continued.						General contractors³.....							
						Dollars 27,500,816 890,444 61.5 3.8							
Heating and plumbing.....						12,854,342 849,283 58.1 6.6							
Heating and piping.....						10,018,444 789,428 54.0 7.9							
Plumbing.....						827,349 51,345 6.2 0.2							
Plumbing and heating combined.....						332,087 2,874 0.9 0.1							
Masonry.....						1,676,462 6,636 4.4 0.3							
Glass and glazing.....						1,882,311 1,821 0.1 0.1							
Plastering and lathing.....						7,817,464 9,447 0.6 0.1							
Roofing and sheet-metal work.....						1,417,107 38,808 2.7 2.7							
Roofing.....						25,352,085 502,650 38.5 2.2							
Marble and tiling.....						3,075,478 172 0.0 0.0							
Excavating.....						6,346,570 11,429 0.8 0.0							
Street paving.....						450,210 25 0.0 0.0							
Sewer, gas, water, conduit.....						5,612,228 25 0.0 0.0							
Power plant.....						829,235 550,825 37.7 0.6							
Metal work, n. e. s.....						1,385,204 224 0.2 0.0							
Flooring, n. e. s.....						108,322 2,439 0.2 0.0							
Brick (face, common, fire, paving, etc.)						Structural steel							
All classes.....						753,407,195 1,462,094 100.0 2.7							
						Dollars 140,710,051 76.7							
General contractors.....						All classes.....							
Building.....						753,407,195 971,119 100.0 1.8							
Building not specialized.....						140,710,051 70.7							
Commercial building only.....													
Manufacturing building only.....													
Residential building only.....													
Highway.....													
Street paving.....													
Sewer, gas, water, conduit.....													
Subcontractors.....						General contractors³.....							
Electrical.....						27,500,816 443,190 14.1 1.0							
Heating and plumbing.....						12,854,342 134,011 4.3 1.0							
Heating and piping.....						10,018,444 120,389 3.8 1.2							
Plumbing.....						827,349 11,356 0.4 1.4							
Masonry.....						332,087 2,806 0.1 0.2							
Marble and tiling.....						1,676,462 5,286 0.2 0.2							
Roofing and sheet-metal work.....						1,882,311 21,505 0.7 1.1							
Roofing.....						420,718 68,939 2.2 10.4							
Marble and tiling.....						7,817,464 27,001 0.9 3.0							
Excavating.....						1,417,107 5,151 0.2 4.4							
Street paving.....						1,395,345 5,026 0.2 4.4							
Sewer, gas, water, conduit.....						637,016 135,374 4.3 21.2							
Dredging, river, harbor, etc.....						88,489 44,923 1.4 60.8							
Railroad.....													
Subcontractors.....						Subcontractors.....							
Carpentering and wood flooring.....						25,352,085 2,703,810 85.9 10.7							
Concrete.....						829,235 8,213 3.0 1.0							
Heating and plumbing.....						377,404 797 0.3 0.2							
Heating and piping.....						6,346,570 14,901 0.5 2.1							
Plumbing.....						459,210 7,901 0.3 1.7							
Masonry.....						5,612,228 7,000 0.2 1.0							
Roofing and sheet-metal work.....						829,235 22,155 0.7 2.7							
Roofing.....						1,829,904 10,095 0.3 0.6							
Marble and tiling.....						1,288,668 10,095 0.3 0.8							
Flooring, n. e. s.....						1,385,204 708,841 73.0 61.2							
						3,396,453 95.7							
						418,373 99.1							
Cut stone, granite and marble						Reinforcing steel							
All classes.....						753,407,195 1,195,427 100.0 2.2							
						Dollars 140,710,051 76.7							
General contractors.....						General contractors.....							
Building.....						27,500,816 1,145,134 95.8 4.2							
Building not specialized.....						12,854,342 907,220 75.9 7.1							
Commercial building only.....						10,018,444 823,243 68.9 8.2							
Manufacturing building only.....						827,349 76,902 6.4 9.3							
Residential building only.....						332,087 174 0.1 1.1							
Highway.....						1,676,462 6,901 0.6 4.4							
Street paving.....													
Sewer, gas, water, conduit.....													
Dredging, river, harbor, etc.....													
Railroad.....													
Subcontractors.....						Subcontractors.....							
Stone work.....						25,352,085 250,150 30.5 100.0							
Marble and tiling.....						3,075,478 259,200 30.5 100.0							
Ornamental iron.....						1,385,204 529,654 62.3 88.2							
						183,363 750 0.1 0.6							

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	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 material						Total cost	Cost of all distributed material		
LOS ANGELES—Continued						LOS ANGELES—Continued							
<i>Reinforcing steel—Con.</i>						<i>Hardware, rough and finished</i>							
<i>General contractors—Con.</i>						<i>General contractors²</i>							
Highway	Dollars	Dollars		Dollars		Dollars	Dollars		Dollars				
Bridge and culvert	1,882,311	35,071	3.0	4,647,047	92.2	53,407,195	669,390	100.0	140,710,051	76.7			
Street paving	420,718	44,121	3.7	1,079,348	95.0								
Sewer, gas, water, conduit	7,817,464	44,218	3.7	1,079,348	95.0								
Dam and reservoir	1,417,107	933	.1	2,031,379	96.3								
Waterworks	1,396,345	7,485	5.6	3,548,731	99.2								
Dredging, river, harbor, etc.	30,747	207	(*)	105,361	67.4								
Central station, light, and power plant	637,916	44,307	3.7	1,027,712	94.2								
	950,833	912	.1	1,383,713	100.0								
<i>Subcontractors</i>						<i>Subcontractors</i>							
Concrete	\$25,352,085	50,293	4.2	48,810,656	97.4								
Electrical	377,464	14,886	1.2	1,214,063	94.8								
Heating and plumbing	3,075,478	102	(*)	5,714,275	90.1								
Plumbing	6,340,570	18,308	1.5	11,312,238	97.6								
Masonry	459,210	3,368	.3	1,082,552	94.7								
Steel erection	5,612,228	15,000	1.3	9,643,956	98.3								
Marble and tiling	820,235	1,503	.1	1,746,744	99.1								
Excavating	0,325,964	10,115	.8	3,396,453	95.7								
Street paving	1,885,204	100	(*)	972,445	65.1								
Power plant	219,291	2,943	.2	622,881	95.0								
	397,820	508	(*)	531,001	100.0								
<i>Lumber, rough and finished</i>						<i>Paints, varnishes, glass</i>							
All classes	53,407,195	5,063,024	100.0	140,710,051	76.7								
<i>General contractors²</i>						<i>General contractors²</i>							
Building	\$28,055,110	4,145,792	81.9	\$01,893,395	66.5								
Building not specialized ³	13,402,636	3,049,722	72.1	67,445,425	51.8								
Commercial building only	10,566,738	2,041,357	52.2	46,869,855	52.4								
Manufacturing building only	827,349	176,227	3.5	3,404,411	53.1								
Residential building only	332,087	32,861	.6	1,571,785	43.4								
Highway	1,876,462	79,277	15.8	5,539,374	47.0								
Bridge and culvert	1,882,311	95,346	1.9	4,647,047	92.2								
Street paving	420,718	58,057	1.1	1,079,348	95.0								
Sewer, gas, water, conduit	7,817,464	129,415	2.6	19,293,411	89.1								
Dam and reservoir	1,417,107	6,347	.1	2,031,379	96.3								
Waterworks	1,396,345	20,948	.4	3,548,731	99.2								
Dredging, river, harbor, etc.	30,747	591	(*)	105,361	97.4								
Central station, light, and power plant	637,916	174,270	3.4	1,027,712	94.2								
	88,480	10,740	.2	1,630,872	97.3								
<i>Subcontractors</i>						<i>Subcontractors</i>							
Carpentering and wood flooring	\$25,352,085	917,232	18.1	48,810,656	97.4								
Concrete	820,450	726,493	14.3	1,972,272	94.9								
Electrical	377,464	7,738	.2	1,214,063	94.8								
Heating and plumbing	3,075,478	3,743	.1	5,714,275	90.1								
Plumbing	229,720	800	(*)	406,108	100.0								
Masonry	6,340,570	78,295	1.5	11,312,238	97.6								
Marble and tiling	459,210	2,911	.1	1,082,552	94.7								
Excavating	5,612,228	75,384	1.5	9,643,956	98.3								
Roofing and sheet-metal work	820,235	3,169	.1	1,746,744	99.1								
Painting and decorating	841,297	1,400	(*)	2,694,409	91.9								
Marble and tiling	1,820,004	73,372	1.4	3,493,938	96.9								
Excavating	1,288,668	73,372	1.4	2,367,203	99.8								
Street paving	1,885,204	1,281	(*)	3,396,453	95.7								
Power plant	49,303	9,806	.2	972,445	65.1								
Metal work, n. e. s.	219,291	10,274	.2	622,881	95.0								
Flooring, n. e. s.	397,820	492	(*)	531,001	100.0								
	315,842	350	(*)	667,108	98.4								
	168,322	109	(*)	418,373	99.1								
<i>Millwork</i>						<i>Roofing and sheet metal</i>							
All classes	53,407,195	1,100,885	100.0	140,710,051	76.7								
<i>General contractors²</i>						<i>General contractors²</i>							
Building	\$28,055,110	1,094,082	88.9	\$01,893,395	66.5								
Building not specialized ³	13,402,636	1,091,733	88.0	67,445,425	51.8								
Commercial building only	10,566,738	745,942	67.4	46,869,855	52.4								
Residential building only	827,349	20,149	1.8	3,404,411	53.1								
Bridge and culvert	1,076,462	325,642	29.4	5,539,374	47.0								
Street paving	420,718	2,212	.2	1,079,348	95.0								
	7,817,464	737	.1	19,293,411	89.1								
<i>Subcontractors</i>						<i>Subcontractors</i>							
Carpentering and wood flooring	\$25,352,085	12,203	1.1	48,810,656	97.4								
Concrete	820,450	11,144	1.0	1,972,272	94.9								
Electrical	3,075,478	892	(*)	5,714,275	90.1								
Marble and tiling	1,885,204	167	(*)	3,396,453	95.7								

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	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				
LOS ANGELES—Continued						LOS ANGELES—Continued									
Roofing and sheet metal—Continued						Electrical appliances and supplies—Continued									
General contractors—Contd.	Dollars	Dollars	0.2	0.7	Dollars	95.0	General contractors—Contd.	Dollars	Dollars	0.1	1.2	Dollars	43.4		
Bridge and culvert.....	420,718	3,000			1,079,348	89.1	Building—Continued.	332,087	3,863	0.1	1.2	1,571,785	47.0		
Street paving.....	7,817,464	1,001	1.3	(*)	19,293,411	99.2	Manufacturing building only.....	1,676,402	20,214	0.1	1.7	5,539,374	95.0		
Dam and reservoir.....	1,396,345	1,378	0.1	1.1	3,548,731	94.2	Residential building only.....	420,718	7,109	0.2	1.1	1,076,348	89.1		
Dredging, river, harbor, etc.	637,910	327	(*)	1.1	1,627,712	97.4	Bridge and culvert.....	7,817,464	7,855	0.1	1.1	10,293,411	99.2		
Subcontractors.....	25,352,085	1,448,544	91.2	5.7	48,816,656	97.4	Street paving.....	1,417,107	15,543	0.1	1.1	2,631,379	99.3		
Carpentering and wood flooring.....	820,456	5,619	0.4	0.7	1,972,272	94.9	Sewer, gas, water, conduit.....	1,417,107	15,543	0.1	1.1	2,631,379	99.3		
Electrical.....	3,075,478	6,156	0.4	0.2	5,714,425	99.1	Central station, light and power plant.....	950,833	747,147	17.4	78.0	1,383,713	100.0		
Elevator construction.....	229,720	800	(*)	0.3	400,108	100.0	Subcontractors.....	25,352,085	3,301,847	77.0	13.0	48,816,656	97.4		
Heating and plumbing.....	6,346,570	56,415	3.0	0.0	11,312,238	97.6	Electrical.....	3,075,478	2,890,306	97.4	94.0	5,714,275	99.1		
Heating and piping.....	459,210	50,085	3.2	10.9	1,082,552	94.7	Elevator construction.....	229,720	12,760	5.6	5.9	400,108	100.0		
Plumbing.....	5,012,228	0,000	0.4	1.1	9,643,956	98.3	Heating and plumbing.....	6,346,570	107,565	2.5	1.7	611,312,238	97.6		
Plumbing and heating combined.....	12,112	350	(*)	2.9	32,708	91.1	Heating and piping.....	459,210	5,305	1.2	1.2	1,082,552	94.7		
Masonry.....	820,235	1,870	0.1	0.2	1,746,744	99.1	Plumbing.....	5,012,228	102,200	2.4	1.8	9,643,956	98.3		
Roofing and sheet-metal work.....	1,829,904	1,377,300	86.7	75.3	3,493,938	96.9	Ornamental iron.....	133,363	18,107	4.1	13.6	376,508	93.2		
Sheet-metal work.....	541,236	417,712	26.3	77.2	1,126,735	90.4	Power plant.....	397,826	273,059	6.4	68.0	531,001	100.0		
Steel erection.....	1,288,668	959,597	60.4	74.5	2,367,203	99.8	Elevators, dumb-waiters, and equipment								
Sheet-metal work.....	541,236	417,712	26.3	77.2	1,126,735	90.4	All classes.....	753,407,195	1,004,134	100.0	1.0	8140,710,051	76.7		
Metal work, n. e. s.....	315,842	675	(*)	0.2	657,108	93.4	General contractors.....	27,506,816	53,752	5.4	0.2	90,108,488	67.8		
Heating and ventilating equipment						Pipe: Drain tile, vitrified, concrete, segment tile, corrugated									
All classes.....	53,407,195	1,624,247	100.0	3.0	140,710,051	76.7	All classes.....	753,407,195	1,734,381	100.0	3.2	8140,710,051	76.7		
General contractors.....	28,055,110	141,438	8.7	0.5	91,893,395	66.5	General contractors.....	27,506,816	53,752	5.4	0.2	90,108,488	67.8		
Building.....	13,402,636	139,138	8.0	1.0	57,445,425	51.8	Building.....	12,854,342	43,762	4.4	0.3	55,000,518	53.0		
Building not specialized.....	10,566,738	120,708	8.0	1.2	46,869,855	52.4	Building not specialized.....	10,018,444	41,885	4.2	0.4	45,084,948	54.1		
Commercial building only.....	827,349	89	(*)	(*)	3,464,411	53.1	Commercial building only.....	10,018,444	1,807	0.0	2.4	5,339,374	47.0		
Residential building only.....	1,076,462	9,341	0.6	0.5	5,539,374	47.0	Residential building only.....	1,676,402	1,807	0.1	2.4	1,079,348	95.0		
Bridge and culvert.....	420,718	2,000	1.1	0.5	1,079,348	95.0	Bridge and culvert.....	420,718	10,000	1.0	2.4	1,079,348	95.0		
Street paving.....	7,817,464	300	(*)	(*)	19,293,411	89.1	Subcontractors.....	25,352,085	950,382	94.6	3.7	48,816,656	97.4		
Subcontractors.....	25,352,085	1,482,809	91.3	5.8	48,816,656	97.4	Elevator construction.....	229,720	20,020	87.5	20.0	8,506,890	100.0		
Heating and plumbing.....	6,346,570	1,012,925	62.4	16.0	11,312,238	97.6	Steel erection.....	0,325,964	748,565	74.6	11.3	8,506,890	100.0		
Heating and piping.....	459,210	313,558	19.3	68.3	1,082,552	94.7	Metal work, n. e. s.....	315,842	707	1.1	0.3	657,108	98.4		
Pipe covering.....	71,378	71,378	4.4	100.0	176,636	100.0	Pipe: Cast-iron, sheet and tube steel, etc.								
Plumbing.....	5,012,228	626,789	38.6	11.2	9,643,956	98.3	All classes.....	753,407,195	1,734,381	100.0	3.2	8140,710,051	76.7		
Plumbing and heating combined.....	12,112	1,200	1.1	9.9	32,708	91.1	General contractors.....	27,506,816	1,660,730	95.8	6.0	90,108,488	67.8		
Roofing and sheet-metal work.....	1,829,904	75	(*)	(*)	3,493,938	96.9	Building.....	12,854,342	12,831	0.1	0.1	55,000,518	53.0		
Sheet-metal work.....	541,236	75	(*)	(*)	1,126,735	90.4	Building not specialized.....	10,018,444	9,024	0.1	0.1	45,084,948	54.1		
Steel erection.....	0,325,964	468,341	28.8	7.4	8,566,896	100.0	Commercial building only.....	827,349	1,000	0.1	0.1	3,464,411	53.1		
Metal work, n. e. s.....	315,842	1,468	1.1	0.5	657,108	93.4	Residential building only.....	1,076,462	2,807	0.2	1.4	1,079,348	95.0		
Plumbing and gas-fitting equipment						Highway									
All classes.....	53,407,195	5,338,237	100.0	10.0	140,710,051	76.7	Highway.....	1,882,811	25,996	1.5	1.4	4,647,047	92.2		
General contractors.....	28,055,110	507,124	0.5	1.3	91,893,395	66.5	Bridge and culvert.....	420,718	970	0.1	0.2	10,293,411	89.1		
Building.....	13,402,636	443,309	8.3	3.3	57,445,425	51.8	Street paving.....	7,817,464	327,409	18.9	71.2	2,631,379	96.3		
Building not specialized.....	10,566,738	261,649	4.9	2.5	46,869,855	52.4	Sewer, gas, water, conduit.....	1,417,107	1,009,138	58.2	20.1	3,548,731	99.2		
Commercial building only.....	827,349	78,265	1.5	9.5	3,464,411	53.1	Dam and reservoir.....	1,396,345	281,011	10.2	20.1	3,548,731	99.2		
Residential building only.....	1,076,462	103,395	1.9	6.2	5,539,374	47.0	Waterworks.....	39,747	65	(*)	0.2	105,301	97.4		
Street paving.....	7,817,464	37,542	0.7	0.5	19,293,411	89.1	Dredging, river, harbor, etc.	637,910	1,011	0.1	0.2	1,627,712	94.2		
Sewer, gas, water, conduit.....	1,417,107	3,000	0.1	0.2	2,631,379	96.3	Railroad.....	88,489	2,296	0.1	2.0	130,872	97.3		
Dam and reservoir.....	1,396,345	23,273	0.4	1.7	3,548,731	99.2	Subcontractors.....	25,352,085	73,651	4.2	1.0	48,816,656	97.4		
Subcontractors.....	25,352,085	4,831,113	90.5	10.1	48,816,656	97.4	Electrical.....	3,075,478	29,401	1.7	1.0	5,714,275	99.1		
Heating and plumbing.....	6,346,570	4,705,926	88.2	74.1	11,312,238	97.6	Heating and plumbing.....	6,346,570	24,123	1.4	0.4	611,312,238	97.6		
Heating and piping.....	459,210	16,290	3.3	3.5	1,082,552	94.7	Plumbing.....	5,012,228	24,078	1.4	0.4	9,643,956	98.3		
Plumbing.....	5,012,228	4,489,228	84.1	80.0	9,643,956	98.3	Plumbing and heating combined.....	12,112	50	(*)	0.4	32,708	91.1		
Plumbing and heating combined.....	12,112	10,263	2.2	84.7	32,708	91.1	Roofing and sheet-metal work.....	1,829,904	45	(*)	(*)	3,493,938	96.9		
Automatic sprinkler systems.....	101,642	190,145	3.6	99.2	376,380	100.0	Sheet metal work.....	541,236	45	(*)	(*)	1,126,735	90.4		
Masonry.....	820,235	2,489	(*)	0.3	1,746,744	99.1	Excavating.....	49,303	9,458	0.5	19.2	972,445	95.1		
Roofing and sheet-metal work.....	1,829,904	120,810	2.3	6.6	3,493,938	96.9	Street paving.....	219,291	10,619	0.0	4.8	622,881	95.0		
Sheet-metal work.....	541,236	120,810	2.3	22.3	1,126,735	90.4	Pipe: Cast-iron, sheet and tube steel, etc.								
Marble and tiling.....	1,385,204	1,888	(*)	1.1	3,396,453	95.7	All classes.....	753,407,195	638,579	100.0	1.2	8140,710,051	76.7		
Electrical appliances and supplies						General contractors									
All classes.....	53,407,195	4,280,005	100.0	8.0	140,710,051	76.7	General contractors.....	27,506,816	297,269	48.6	1.1	90,108,488	67.8		
General contractors.....	28,055,110	937,158	23.0	3.5	91,893,395	66.5	Building.....	12,854,342	68,809	10.8	0.5	55,000,518	53.0		
Building.....	13,402,636	209,494	4.9	1.6	57,445,425	51.8	Building not specialized.....	10,018,444	68,309	10.7	0.7	45,084,948	54.1		
Building not specialized.....	10,566,738	135,417	3.2	1.3	46,869,855	52.4	Residential building only.....	1,076,462	800	0.1	(*)	1,079,348	95.0		
Commercial building only.....	827,349	50,000	1.2	6.0	3,464,411	53.1	Highway.....	1,882,811	024	0.1	0.7	3,464,411	53.1		

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

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	
			Total cost	Cost of all distributed materials							Total cost				Cost of all distributed materials
LOS ANGELES—Continued						OAKLAND—Continued									
<i>Pipe: Cast-iron, sheet and tube steel—Continued</i>						<i>Tile, facing, terra cotta, floor and wall</i>									
	Dollars	Dollars			Dollars		Dollars	Dollars		Dollars					
Subcontractors.....	\$25,352,085	341,310	53.4	1.3	\$48,816,656	97.4	All classes.....	\$5,993,133	133,111	100.0	2.2	\$16,240,230	78.8		
Electrical.....	8,075,478	48,708	7.0	1.0	5,714,275	99.1	General contractors.....	\$2,804,105	300	3.3	(*)	\$8,151,135	69.9		
Elevator construction.....	229,720	2,500	1.1	1.1	406,108	100.0	Building.....	\$876,864	300	3.3	(*)	\$4,103,602	48.5		
Heating and plumbing.....	\$6,346,576	70,574	11.1	1.1	11,312,238	97.6	Residential building only.....	148,714	300	3.3	.2	731,357	40.0		
Heating and piping.....	459,210	15,474	2.4	3.4	1,082,552	94.7	Subcontractors.....	\$3,137,263	132,761	99.7	4.2	\$6,863,895	93.6		
Plumbing.....	5,612,228	55,100	8.6	1.0	9,643,956	98.3	Masonry.....	79,705	52	(*)	.1	141,687	99.4		
Steel erection.....	6,325,964	80,853	12.7	1.3	8,566,896	100.0	Marble and tiling.....	174,788	132,609	99.7	75.0	456,280	100.0		
Excavating.....	49,303	17,035	2.8	35.8	972,445	95.1	Concrete and cinder block								
Waterworks.....	75,187	75,137	11.8	100.0	122,582	98.4	All classes.....	\$5,993,133	180,230	100.0	3.2	\$15,240,230	78.8		
Power plant.....	397,820	45,813	7.2	11.5	531,601	100.0	General contractors.....	\$2,804,105	180,230	100.0	6.7	\$8,151,135	69.9		
							Building.....	\$876,864	230	1.1	(*)	\$4,103,602	48.5		
							Residential building only.....	148,714	230	1.1	.2	731,357	40.0		
							Highway.....	347,277	180,000	99.9	54.4	720,157	99.0		
							Cement²								
							All classes.....	\$5,993,133	493,038	100.0	8.2	\$15,240,230	78.8		
							General contractors.....	\$2,804,105	457,764	92.8	16.3	\$8,151,135	69.9		
							Building.....	\$876,864	61,385	12.5	7.6	\$4,103,602	48.5		
							Building not specialized.....	548,550	23,880	4.8	4.4	2,668,274	49.2		
							Commercial building only.....	179,600	33,045	6.8	18.7	703,971	55.9		
							Residential building only.....	148,714	3,800	.8	2.6	731,357	40.0		
							Bridge and culvert.....	107,345	12,735	2.6	11.9	210,456	93.3		
							Street paving.....	1,121,904	346,048	70.3	30.9	2,142,200	95.1		
							Sewer, gas, water, conduit.....	261,796	7,121	1.4	2.7	572,557	92.7		
							Dredging, river, harbor, etc.....	88,919	20,875	6.1	33.6	390,073	35.6		
							Subcontractors.....	\$3,137,263	35,274	7.2	1.1	\$6,863,895	93.6		
							Concrete.....	15,265	5,805	1.2	38.0	36,365	98.5		
							Heating and plumbing.....	\$1,189,016	125	(*)	(*)	\$2,342,849	91.6		
							Heating and piping.....	416,923	125	(*)	(*)	839,288	90.6		
							Masonry.....	79,705	6,781	1.4	8.5	141,687	99.4		
							Plastering and lathing.....	95,885	19,560	4.0	20.4	207,912	100.0		
							Marble and tiling.....	174,788	3,000	.0	1.7	456,280	100.0		
							Structural steel³								
							All classes.....	\$5,993,133	630,390	100.0	10.7	\$15,240,230	78.8		
							General contractors.....	\$2,804,105	90,765	14.2	3.2	\$8,151,135	69.9		
							Building.....	\$876,864	43,138	0.7	4.9	\$4,103,602	48.5		
							Building not specialized.....	548,550	4,138	.8	8.8	2,668,274	49.2		
							Commercial building only.....	179,600	30,000	6.1	21.7	703,971	55.9		
							Bridge and culvert.....	107,345	37,984	5.9	35.4	210,456	93.3		
							Sewer, gas, water, conduit.....	261,796	9,583	1.5	3.7	572,557	92.7		
							Dredging, river, harbor, etc.....	88,919	30,000	26.8	33.7	390,073	35.6		
							Subcontractors.....	\$3,137,263	42,812	38.3	1.4	\$6,863,895	93.6		
							Masonry.....	79,705	63	(*)	.1	141,687	99.4		
							Steel erection.....	593,257	521,028	81.5	92.6	1,113,336	80.9		
							Ornamental iron.....	45,705	27,600	4.3	60.4	90,359	92.9		
							Reinforcing steel								
							All classes.....	\$5,993,133	111,861	100.0	1.9	\$15,240,230	78.8		
							General contractors.....	\$2,804,105	69,049	61.7	2.5	\$8,151,135	69.9		
							Building.....	\$876,864	21,374	19.1	2.4	\$4,103,602	48.5		
							Building not specialized.....	548,550	15,699	14.0	2.9	2,668,274	49.2		
							Residential building only.....	148,714	5,875	5.1	3.8	731,357	40.0		
							Bridge and culvert.....	107,345	7,907	7.1	7.4	210,456	93.3		
							Street paving.....	1,121,904	8,561	7.7	.8	2,142,200	95.1		
							Sewer, gas, water, conduit.....	261,796	1,207	1.1	.5	572,557	92.7		
							Dredging, river, harbor, etc.....	88,919	30,000	26.8	33.7	390,073	35.6		
							Subcontractors.....	\$3,137,263	42,812	38.3	1.4	\$6,863,895	93.6		
							Concrete.....	15,265	5,805	1.2	38.0	36,365	98.5		
							Steel erection.....	593,257	42,229	37.8	7.5	1,113,336	80.0		
							Lumber, rough and finished								
							All classes.....	\$5,993,133	518,503	100.0	8.7	\$15,240,230	78.8		
							General contractors.....	\$2,855,870	447,784	86.4	15.7	\$8,385,335	68.4		
							Building.....	\$288,629	337,603	65.1	36.4	\$4,337,802	47.3		
							Building not specialized.....	600,315	203,190	39.2	33.8	2,902,474	57.5		
							Commercial building only.....	179,600	59,990	11.0	33.4	703,971	45.9		
							Residential building only.....	148,714	74,423	14.4	50.0	731,357	40.0		

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

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				
OAKLAND—Continued						OAKLAND—Continued									
<i>Lumber, rough and finished—Continued</i>						<i>Plumbing and gas-fitting equipment¹</i>									
General contractors—Contd.	Dollars	Dollars	10.2	15.3	Dollars		Dollars	100.0	9.5	Dollars					
Highway	347,277	53,000			726,157	5,993,133	570,104			15,249,230	78.8				
Bridge and culvert	187,345	21,209	4.1	19.9	210,450										
Street paving	1,121,904	21,686	4.2	1.9	2,142,290										
Sewer, gas, water, conduit	261,796	1,794	.3	.7	572,557										
Dredging, river, harbor, etc.	88,919	12,432	2.4	14.0	390,073										
Subcontractors	\$ 3,137,263	70,719	13.6	2.3	\$ 6,863,805										
Carpentering and wood flooring	78,542	70,094	13.5	89.2	158,511										
Heating and plumbing	1,186,016	125	(4)	.2	36,365										
Roofing and sheet-metal work	355,389	500	.1	.3	453,289										
Sheet-metal work	119,089														
<i>Millwork</i>						<i>Electrical appliances and supplies</i>									
All classes	5,993,133	189,037	100.0	3.2	15,249,230	5,993,133	248,823	100.0	4.2	15,249,230	78.8				
General contractors ³	\$ 2,855,870	188,887	99.9	6.0	\$ 8,385,335										
Building	\$ 928,629	188,887	99.9	20.3	\$ 4,337,802										
Building not specialized ²	600,315	146,701	77.6	24.4	2,902,474										
Residential building only	148,714	9,318	4.9	5.2	703,071										
Street paving	1,121,904	32,813	17.4	22.1	731,357										
Subcontractors	\$ 3,137,263	150	.1	(4)	\$ 6,863,805										
Marble and tiling	174,788	150	.1	.1	453,289										
<i>Paints, varnishes, glass</i>						<i>Pipe: Drain tile, vitrified, concrete, segment tile, corrugated</i>									
All classes	5,993,133	276,896	100.0	4.6	15,249,230	5,993,133	287,205	100.0	4.8	15,249,230	78.8				
General contractors ³	\$ 2,855,870	11,924	4.3	.4	\$ 8,385,335										
Building	\$ 928,629	7,017	2.6	.8	\$ 4,337,802										
Building not specialized ²	600,315	5,247	1.9	.9	2,902,474										
Residential building only	148,714	1,770	.6	1.2	731,357										
Bridge and culvert	107,345	3,200	1.2	3.0	210,456										
Street paving	1,121,904	1,707	.6	.2	2,142,290										
Subcontractors	\$ 3,137,263	264,972	95.7	8.4	\$ 6,863,805										
Carpentering and wood flooring	78,542	6,947	2.5	8.8	158,511										
Heating and plumbing	1,186,016	50	(4)	(4)	2,342,849										
Roofing and sheet-metal work	355,389	50	(4)	(4)	830,288										
Masonry	79,705	57	(4)	.1	141,687										
Painting and decorating	49,319	48,319	17.5	100.0	214,983										
Glass and glazing	218,090	209,599	75.7	96.1	460,830										
<i>Roofing and sheet metal</i>						<i>Bituminous paving materials, tar, asphalt, and oil</i>									
All classes	5,993,133	354,482	100.0	5.9	15,249,230	5,993,133	162,209	100.0	2.7	15,249,230	78.8				
General contractors	\$ 2,804,105	10,711	3.0	.4	\$ 8,151,135										
Highway	847,277	10,403	2.9	1.2	4,103,692										
Building	\$ 876,884	9,003	2.8	1.8	2,068,274										
Building not specialized ²	548,550	500	.1	.3	731,357										
Residential building only	148,714	308	.1	(4)	2,142,290										
Street paving	1,121,904														
Subcontractors	\$ 3,137,263	343,771	97.0	11.0	\$ 6,863,805										
Carpentering and wood flooring	78,542	28,619	7.5	2.2	2,342,849										
Heating and plumbing	1,186,016	20,000	5.6	57.1	96,253										
Pipe covering	35,000	6,619	1.9	.9	1,407,308										
Plumbing	734,093														
Roofing and sheet-metal work	355,389	317,152	89.5	89.2	606,692										
Roofing	236,300	228,800	64.5	96.8	455,244										
Sheet-metal work	119,089	88,352	24.9	74.2	241,448										
<i>Heating and ventilating equipment¹</i>						<i>SAN DIEGO</i>									
All classes	5,993,133	598,289	100.0	10.0	15,249,230	6,030,133	1,342,330	100.0	22.3	13,269,005	84.8				
General contractors ³	\$ 2,855,870	13,769	2.3	.5	\$ 8,385,335										
Building	\$ 928,629	13,769	2.3	1.5	\$ 4,337,802										
Building not specialized ²	600,315	13,769	2.3	2.3	2,902,474										
Subcontractors	\$ 3,137,263	584,530	97.7	18.6	\$ 6,863,805										
Heating and plumbing	1,186,016	576,793	96.4	48.6	2,342,849										
Heating and piping	416,923	403,131	97.4	90.7	839,288										
Plumbing	734,093	173,692	29.0	23.7	1,407,308										
Roofing and sheet-metal work	355,389	7,737	1.3	2.2	606,692										
Sheet-metal work	119,089	7,737	1.3	6.5	241,448										
<i>Sand, gravel, stone, slag, cinders, etc.¹</i>						<i>General contractors</i>									
All classes	5,993,133	598,289	100.0	10.0	15,249,230	6,030,133	1,342,330	100.0	22.3	13,269,005	84.8				
General contractors	\$ 4,621,094	1,278,169	95.2	27.7	\$ 10,341,007										
Building	809,811	120,645	9.0	13.4	3,027,516										
Building not specialized ²	799,833	112,652	8.4	14.1	2,506,004										
Residential building only	99,978	7,993	.6	8.0	431,422										
Highway	1,913,214	743,482	55.4	38.9	3,149,936										
Bridge and culvert	136,715	13,891	1.0	10.2	229,310										
Street paving	1,581,871	394,283	29.4	24.9	3,654,859										
Sewer, gas, water, conduit	80,291	1,750	.1	2.2	204,110										
Railroad	8,842	4,138	.3	46.8	83,276										
Subcontractors	\$ 1,409,039	64,161	4.8	4.6	\$ 2,027,908										
Concreting	85,420	9,872	.7	16.9	123,373										
Masonry	63,000	3,000	.2	4.8	142,727										

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	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				
SAN DIEGO—Continued						SAN DIEGO—Continued									
<i>Sand, gravel, stone, slag, cinders, etc.—Continued</i>						<i>Millwork</i>									
Subcontractors—Continued.						All classes.....									
Marble and tiling.....	Dollars	Dollars	0.2	1.7	Dollars	Dollars	100.0	1.4	Dollars	Dollars	100.0	1.4			
Excavating.....	170,533	2,842	3.5	100.0	395,335	6,030,133	81.765	10.341,007	70,155	890,811	10.341,007	81.4			
Flooring, n. o. s.....	47,164	1,283	1	2.0	80,555	142,300	2.4	3,027,516	70,155	890,811	3,027,516	54.3			
	64,272	1,283	1	2.0	128,655	13,269,005	84.8	2,596,094	57,500	70,155	2,596,094	56.0			
									99,978	21,565	431,422	45.8			
<i>Tile, facing, terra cotta, floor and wall</i>						Subcontractors.....									
All classes.....	6,030,133	142,300	100.0	2.4	13,269,005	84.8	1,409,039	2,610	2,610	2,610	2,927,998	98.8			
General contractors.....	4,621,094	5,693	4.0	1.1	10,341,007	81.4	58,420	2,610	3.2	4.6	122,373	98.0			
Building.....	899,811	5,693	4.0	0.6	3,027,516	54.3									
Building not specialized.....	799,833	3,693	2.0	0.5	2,596,094	56.0									
Residential building only.....	99,978	2,000	1.4	2.0	431,422	45.8									
Subcontractors.....	1,409,039	136,607	96.0	0.7	2,927,998	98.8									
Marble and tiling.....	170,533	127,507	80.0	74.8	395,335	99.5									
Flooring, n. o. s.....	64,272	9,160	6.4	14.2	128,655	100.0									
<i>Cement²</i>						<i>Roofing and sheet metal</i>									
All classes.....	6,030,133	1,130,246	100.0	18.7	13,269,005	84.8									
General contractors.....	4,621,094	1,089,582	96.4	23.0	10,341,007	81.4									
Building.....	899,811	140,940	12.5	15.7	3,027,516	54.3									
Building not specialized.....	799,833	136,911	12.1	17.1	2,596,094	50.0									
Residential building only.....	99,978	4,929	4	4.9	431,422	45.8									
Highway.....	1,913,214	321,262	28.4	16.8	3,149,936	94.5									
Bridge and culvert.....	136,715	38,570	3.4	28.2	220,310	100.0									
Street paving.....	1,581,871	586,106	51.8	37.0	3,654,859	90.5									
Sewer, gas, water, conduit.....	80,291	3,045	3	4.5	204,110	100.0									
Subcontractors.....	1,409,039	40,664	3.6	2.9	2,927,998	98.8									
Concreting.....	58,420	24,646	2.2	42.2	122,373	98.0									
Masonry.....	93,000	6,500	0	10.3	142,727	74.0									
Marble and tiling.....	170,533	5,556	5	3.3	395,335	99.5									
Flooring, n. o. s.....	64,272	3,962	4	6.2	128,655	100.0									
<i>Structural steel</i>						<i>Heating and ventilating equipment</i>									
All classes.....	6,030,133	183,875	100.0	3.0	13,269,005	84.8									
General contractors.....	4,621,094	37,727	20.8	8	10,341,007	81.4									
Building.....	899,811	20,226	15.9	3.2	3,027,516	54.3									
Building not specialized.....	799,833	20,156	15.0	3.6	2,596,094	56.0									
Residential building only.....	99,978	70	(¹)	1	431,422	45.8									
Bridge and culvert.....	136,715	8,561	4.6	6.2	220,310	100.0									
Subcontractors.....	1,409,039	146,148	79.5	10.4	2,927,998	98.8									
Steel erection.....	166,879	146,148	79.5	87.6	309,580	100.0									
<i>Reinforcing steel</i>						<i>Plumbing and gas-fitting equipment</i>									
All classes.....	6,030,133	180,910	100.0	2.2	13,269,005	84.8									
General contractors.....	4,621,094	128,334	98.0	2.8	10,341,007	81.4									
Building.....	899,811	45,929	35.1	5.1	3,027,516	54.3									
Building not specialized.....	799,833	45,250	34.0	5.7	2,596,094	56.0									
Residential building only.....	99,978	670	5	7	431,422	45.8									
Highway.....	1,913,214	17,662	13.5	9	3,149,936	94.5									
Bridge and culvert.....	136,715	31,642	24.2	23.1	220,310	100.0									
Street paving.....	1,581,871	31,604	24.1	2	3,654,859	90.5									
Sewer, gas, water, conduit.....	80,291	1,497	1.1	1.9	204,110	100.0									
Subcontractors.....	1,409,039	2,576	2.0	2	2,927,998	98.8									
Concreting.....	58,420	2,576	2.0	4.4	122,373	98.0									
<i>Lumber, rough and finished</i>						<i>Electrical appliances and supplies</i>									
All classes.....	6,030,133	353,110	100.0	5.9	13,269,005	84.8									
General contractors.....	4,621,094	353,110	100.0	7.6	10,341,007	81.4									
Building.....	899,811	290,619	82.3	32.3	3,027,516	54.3									
Building not specialized.....	799,833	245,577	69.5	30.7	2,596,094	56.0									
Residential building only.....	99,978	45,042	12.8	45.1	431,422	45.8									
Highway.....	1,913,214	11,337	3.2	6	3,149,936	94.5									
Bridge and culvert.....	136,715	19,035	5.4	13.9	220,310	100.0									
Street paving.....	1,581,871	25,383	7.2	1.6	3,654,859	90.5									
Sewer, gas, water, conduit.....	80,291	3,307	1.0	4.2	204,110	100.0									
Railroad.....	8,842	3,339	9	37.8	33,276	54.5									
						<i>Pipe: Drain tile, vitrified, concrete, segment tile, corrugated</i>									
All classes.....	6,030,133	121,051	100.0	2.0	13,269,005	84.8									
General contractors.....	4,621,094	115,194	95.2	2.5	10,341,007	81.4									
Building.....	899,811	834	7	1	3,027,516	54.3									
Building not specialized.....	799,833	834	7	1	2,596,094	56.0									
Highway.....	1,913,214	24,174	20.0	1.3	3,149,936	94.5									
Street paving.....	1,581,871	43,092	35.0	2.7	3,654,859	90.5									
Sewer, gas, water, conduit.....	80,291	47,094	35.9	53.7	204,110	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

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		
SAN DIEGO—Continued						SAN FRANCISCO—Contd.							
<i>Pipe: Drain tile, vitrified, concrete, segment tile, corrugated—Continued</i>						<i>Tile, facing, terra cotta, floor and wall</i>							
	Dollars	Dollars			Dollars		Dollars	Dollars		Dollars			
Subcontractors.....	\$ 1,409,039	5,857	4.8	0.4	\$ 2,927,998	98.8	26,557,726	672,843	100.0	2.5	\$ 87,267,961	67.3	
Concreting.....	58,420	3,857	3.2	6.0	122,373	98.0							
Sewer, gas, water, conduit.....	12,300	2,000	1.7	16.3	47,096	100.0							
<i>Pipe: Cast-iron, sheet and tube steel, etc.</i>						<i>Concrete and cinder block</i>							
All classes.....	6,080,133	102,525	100.0	1.7	13,269,005	84.8	All classes.....	20,557,726	344,930	100.0	1.3	87,267,961	67.3
General contractors.....	\$ 4,621,094	87,329	85.2	1.9	\$ 10,341,007	81.4	General contractors ³	\$ 13,099,000	130,210	19.4	1.0	\$ 60,274,428	55.3
Highway.....	1,913,214	35,147	34.3	1.8	3,149,936	94.6	Building.....	\$ 6,997,605	55,210	8.2	0.8	\$ 40,422,650	43.0
Street paving.....	1,581,871	46,477	45.9	2.9	3,054,559	90.5	Building not specialized ³	\$ 0,407,093	30,496	5.4	0.6	\$ 37,538,428	42.1
Sewer, gas, water, conduit.....	80,291	4,094	4.9	6.2	204,110	100.0	Residential building only.....	434,668	18,714	2.8	4.3	1,957,388	48.2
Railroad.....	8,842	711	7.7	8.0	33,270	54.5	Bridge and culvert.....	2,026,613	75,000	11.1	3.7	6,647,900	80.0
Subcontractors.....	\$ 1,409,039	16,196	14.8	1.1	\$ 2,927,998	98.8	Subcontractors.....	\$ 13,458,726	542,033	80.6	4.0	\$ 26,993,533	97.2
Concreting.....	58,420	4,868	4.8	8.4	122,373	98.0	Heating and plumbing.....	\$ 3,433,082	40,148	6.9	1.3	\$ 6,011,422	98.1
Sewer, gas, water, conduit.....	12,300	10,300	10.0	83.7	47,096	100.0	Heating and piping.....	961,389	380	0.1	(*)	1,967,601	96.4
<i>Bituminous paving materials, tar, asphalt, and oil²</i>						<i>Masonry.....</i>							
All classes.....	\$ 6,030,133	1,159,061	100.0	19.2	\$ 13,269,005	84.8	Plumbing.....	1,520,883	45,768	6.8	3.0	2,028,377	98.0
General contractors.....	\$ 4,621,094	1,169,061	100.0	25.1	\$ 10,341,007	81.4	Masonry.....	291,850	7,404	1.1	2.5	681,956	95.9
Highway.....	1,913,214	736,261	63.5	38.5	3,149,936	94.5	Roofing and sheet-metal work.....	\$ 352,315	5,780	0.9	1.0	\$ 711,340	98.5
Street paving.....	1,581,871	422,501	36.5	26.7	3,054,559	90.5	Roofing.....	207,107	5,780	0.9	2.8	387,059	95.3
Railroad.....	8,842	329	(*)	3.7	33,270	54.5	Marble and tiling.....	1,230,727	483,295	71.8	39.0	2,757,324	98.0
SAN FRANCISCO						<i>Cut stone, granite, and marble</i>							
<i>Sand, gravel, stone, slag, cinders, etc.²</i>						<i>All classes.....</i>							
All classes.....	26,557,726	2,261,788	100.0	8.5	87,267,961	67.3	All classes.....	26,557,726	438,912	100.0	1.7	87,267,961	67.3
General contractors ³	\$ 13,099,000	2,093,013	92.5	16.0	\$ 60,274,428	55.3	General contractors ³	\$ 13,099,000	208,067	86.4	2.3	\$ 60,274,428	55.3
Building.....	\$ 6,997,605	903,681	40.0	12.9	\$ 40,422,650	43.0	Building.....	\$ 6,997,605	113,698	32.9	1.0	\$ 40,422,650	43.0
Building not specialized ³	6,407,093	879,381	38.9	13.7	37,538,428	42.1	Building not specialized ³	6,407,093	110,008	31.9	1.7	37,538,428	42.1
Manufacturing building only.....	33,824	900	(*)	2.7	94,760	78.4	Residential building only.....	434,668	3,690	1.0	0.8	1,957,388	48.2
Residential building only.....	434,668	23,400	1.0	5.4	1,957,388	48.2	Highway.....	938,245	20,343	5.9	2.2	2,028,061	77.4
Highway.....	938,245	354,920	16.7	37.8	2,928,061	77.4	Street paving.....	1,240,640	15,120	4.4	1.2	3,403,532	93.4
Bridge and culvert.....	2,026,613	162,796	7.2	8.0	6,647,900	80.0	Dam and reservoir.....	308,120	470,000	43.2	48.4	970,000	61.6
Grading.....	89,735	8,100	4.4	9.0	1,382,647	95.7	Subcontractors.....	\$ 13,458,726	46,872	13.6	0.3	\$ 26,993,533	97.2
Street paving.....	1,240,640	477,104	21.1	38.2	3,403,532	93.4	Concreting.....	215,894	10,340	3.0	4.8	499,238	97.0
Waterworks.....	230,085	31,438	1.4	13.3	1,081,156	85.5	Plastering and lathing.....	608,394	1,000	0.3	2.2	1,721,147	91.7
Dredging, river, harbor, etc.....	1,050,599	137,965	6.1	13.1	3,093,942	97.7	Marble and tiling.....	1,230,727	35,299	10.2	2.8	2,757,324	98.0
Foundation.....	60,000	14,000	6.6	25.0	97,700	87.8	Dredging, river, harbor, etc.....	64,250	233	1.1	0.4	200,064	100.0
Central station, light and power plant.....	140,358	3,000	1.1	2.1	247,044	85.4	<i>Cement¹</i>						
Subcontractors.....	\$ 13,458,726	168,775	7.5	1.3	\$ 26,993,533	97.2	All classes.....	20,557,726	2,394,577	100.0	9.0	87,267,961	67.3
Concreting.....	215,894	83,635	3.7	38.7	499,238	97.0	General contractors ³	13,099,000	2,224,543	92.9	17.0	60,274,428	55.3
Heating and plumbing.....	\$ 3,433,082	259	(*)	(*)	6,611,422	98.1	Building.....	6,997,605	1,236,378	51.6	17.7	40,422,650	43.0
Heating and piping.....	961,389	250	(*)	(*)	1,967,601	96.4	Building not specialized ³	6,407,093	1,211,197	50.0	18.9	37,538,428	42.1
Masonry.....	291,850	27,024	1.2	9.3	681,956	96.9	Commercial building only.....	122,020	18,271	0.8	15.0	832,090	58.3
Plastering and lathing.....	608,394	37,730	1.7	6.2	1,721,147	91.7	Manufacturing building only.....	33,824	250	(*)	1.7	94,760	78.4
Roofing and sheet-metal work.....	\$ 352,315	3,844	2.1	1.1	\$ 711,340	98.5	Residential building only.....	434,668	6,600	0.3	1.5	1,957,388	48.2
Roofing.....	207,107	3,844	2.1	1.9	387,059	95.3	Highway.....	938,245	209,032	11.2	28.7	2,928,061	77.4
Marble and tiling.....	1,230,727	13,647	0.6	1.1	2,757,324	98.0	Bridge and culvert.....	2,026,613	92,736	3.9	4.6	6,647,900	80.0
Dredging, river, harbor, etc.....	64,250	2,645	1.1	4.1	200,064	100.0	Grading.....	89,735	120	(*)	0.1	1,382,647	95.7
<i>Brick (face, common, fire, paving, etc.)</i>						<i>Dam and reservoir.....</i>							
All classes.....	26,557,726	425,451	100.0	1.6	87,267,961	67.3	Dam and reservoir.....	308,120	58,000	2.4	18.8	970,000	61.6
General contractors ³	\$ 13,099,000	123,563	29.0	0.9	\$ 60,274,428	55.3	Waterworks.....	230,085	12,858	5.6	5.4	1,081,156	85.5
Building.....	\$ 6,997,605	60,566	14.2	0.9	\$ 40,422,650	43.0	Dredging, river, harbor, etc.....	1,050,599	133,747	5.6	12.7	3,093,942	97.7
Building not specialized ³	6,407,093	52,554	12.4	0.8	37,538,428	42.1	Foundation.....	60,000	24,000	1.0	42.9	97,700	87.8
Manufacturing building only.....	33,824	700	2.1	2.1	94,760	78.4	Central station, light and power plant.....	140,358	5,000	0.2	3.0	247,044	85.4
Residential building only.....	434,668	7,312	1.7	1.7	1,957,388	48.2	Subcontractors.....	\$ 13,458,726	170,034	7.1	1.3	\$ 26,993,533	97.2
Highway.....	938,245	1,818	0.4	0.2	2,928,061	77.4	Concreting.....	215,894	69,224	2.9	32.1	499,238	97.0
Bridge and culvert.....	2,026,613	50,000	11.8	2.5	6,647,900	80.0	Heating and plumbing.....	\$ 3,433,082	205	(*)	(*)	6,611,422	98.1
Street paving.....	1,240,640	11,134	2.6	0.9	3,403,532	93.4	Heating and piping.....	961,389	205	(*)	(*)	1,967,601	96.4
Dredging, river, harbor, etc.....	1,050,599	45	(*)	(*)	3,093,942	97.7	Masonry.....	291,850	35,068	1.5	12.0	681,956	95.9
Subcontractors.....	\$ 13,458,726	301,888	71.0	2.2	\$ 26,993,533	97.2	Plastering and lathing.....	608,394	41,438	1.7	6.8	1,721,147	91.7
Heating and plumbing.....	\$ 3,433,082	1,210	3	(*)	\$ 6,611,422	98.1	Roofing and sheet-metal work.....	\$ 352,315	500	(*)	0.1	\$ 711,340	98.5
Heating and piping.....	961,389	1,210	3	1	1,967,601	96.4	Roofing.....	207,107	500	(*)	0.2	387,059	95.3
Masonry.....	291,850	147,513	34.7	50.5	681,956	95.0	Marble and tiling.....	1,230,727	19,907	1.6	1.6	2,757,324	98.0
Marble and tiling.....	1,230,727	153,165	36.0	12.4	2,757,324	98.0	Dredging, river, harbor, etc.....	64,250	3,692	0.2	5.7	200,064	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

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
SAN FRANCISCO—Contd.						SAN FRANCISCO—Contd.									
<i>Plaster, etc.</i>						<i>Lumber, rough and finished—Continued</i>									
All classes.....	Dollars 20,557,720	Dollars 303,894	100.0	1.5	Dollars 87,267,961	67.3	Subcontractors—Continued.		Dollars	Dollars	Dollars	97.0			
General contractors ²	13,099,000	94,341	24.0	.7	60,274,428	55.3	Concreting.....	215,894	4,610	0.2	2.0	499,238	97.0		
Building.....	6,997,605	64,341	16.3	.9	40,422,650	43.0	Masonry.....	291,850	5,920	.3	2.1	681,956	95.9		
Building not specialized ³	6,407,093	62,085	15.8	1.0	37,538,428	42.1	Plastering and lathing.....	608,394	1,600	.1	.3	1,721,147	91.7		
Commercial building only.....	122,020	64	(*)	.1	832,000	58.3	Roofting and sheet-metal work.....	352,315	1,303	.1	.1	711,346	98.5		
Residential building only.....	434,668	2,192	.6	.5	1,957,388	48.2	Sheet-metal work.....	145,208	1,303	.1	.9	324,287	99.8		
Bridge and culvert.....	2,020,613	30,000	7.6	1.5	6,647,690	80.0	Marble and tiling.....	1,230,727	413	(*)	(*)	2,757,324	98.0		
Subcontractors.....	13,458,726	209,553	76.0	2.2	26,993,533	67.2	Excavating.....	2,834	41	(*)	1.4	114,340	100.0		
Concreting.....	215,894	2,075	.7	1.2	499,238	97.0	Dredging, river, harbor, etc.....	64,259	30,587	1.4	47.6	200,064	100.0		
Masonry.....	291,850	2,200	.8	.8	681,956	95.9	<i>Millwork</i>								
Plastering and lathing.....	608,394	283,340	71.9	46.0	1,721,147	91.7	All classes.....	20,557,720	1,273,070	100.0	4.8	87,267,961	67.3		
Marble and tiling.....	1,230,727	11,329	2.9	.9	2,757,324	98.0	General contractors ²	13,099,000	1,273,270	100.0	0.7	60,274,428	55.3		
<i>Structural steel</i>						<i>Hardware, rough and finished</i>									
All classes.....	20,557,720	1,240,033	100.0	4.7	87,267,961	67.3	Building.....	6,997,605	1,123,176	88.2	16.1	40,422,650	43.0		
General contractors.....	12,907,508	340,600	27.3	2.6	59,410,024	56.5	Building not specialized ³	6,407,093	1,014,573	79.7	15.8	37,538,428	42.1		
Building.....	6,806,113	26,281	2.1	.4	39,507,252	44.0	Commercial building only.....	122,020	10,277	.8	8.4	832,000	58.3		
Building not specialized.....	6,215,601	20,556	1.6	.3	36,683,024	43.2	Residential building only.....	434,668	98,326	7.7	7.2	1,957,388	48.2		
Manufacturing building only.....	33,824	200	(*)	.0	94,750	78.4	Bridge and culvert.....	2,020,613	160,000	11.8	7.4	6,647,690	80.0		
Residential building only.....	434,668	5,525	.4	1.3	1,957,388	48.2	Waterworks.....	236,085	100	(*)	(*)	1,081,156	86.5		
Bridge and culvert.....	2,020,613	252,407	20.2	12.5	6,647,690	80.0	Dredging, river, harbor, etc.....	1,056,599	4,906	.4	.5	3,093,942	97.7		
Grading.....	89,735	3,005	.2	3.3	1,382,647	95.7	Central station, light and power plant.....	140,358	6,000	.5	4.3	247,044	85.4		
Street paving.....	1,249,640	3,351	.3	.3	3,403,532	93.4	Subcontractors.....	13,458,726	605,943	72.7	6.7	26,993,533	67.2		
Dam and reservoir.....	308,120	39,000	3.1	12.7	970,000	61.6	Concreting.....	215,894	955	.1	.4	499,238	97.0		
Waterworks.....	236,085	5,740	.5	2.4	1,081,156	85.5	Masonry.....	291,850	3,713	.3	1.3	681,956	95.9		
Dredging, river, harbor, etc.....	1,056,599	4,906	.4	.5	3,093,942	97.7	Steel erection.....	1,228,340	870,411	69.8	70.9	2,238,555	93.8		
Central station, light and power plant.....	140,358	6,000	.5	4.3	247,044	85.4	Ornamental iron.....	243,891	10,340	.8	4.2	595,288	90.5		
Subcontractors.....	13,458,726	605,943	72.7	6.7	26,993,533	67.2	Metal work, n. e. s.....	407,094	20,524	1.6	5.0	595,690	90.7		
Concreting.....	215,894	955	.1	.4	499,238	97.0	<i>Reinforcing steel</i>								
Masonry.....	291,850	3,713	.3	1.3	681,956	95.9	All classes.....	20,557,720	1,244,481	100.0	4.7	87,267,961	67.3		
Plastering and lathing.....	608,394	283,340	71.9	46.0	1,721,147	91.7	General contractors.....	12,907,508	882,253	70.9	6.8	59,410,024	56.5		
Marble and tiling.....	1,230,727	11,329	2.9	.9	2,757,324	98.0	Building.....	6,806,113	695,272	55.9	10.2	39,507,252	44.0		
<i>Hardware, rough and finished</i>						<i>Hardware, rough and finished</i>									
All classes.....	20,557,720	1,244,481	100.0	4.7	87,267,961	67.3	Building not specialized.....	6,215,601	601,287	55.8	11.1	36,683,024	43.2		
General contractors.....	12,907,508	340,600	27.3	2.6	59,410,024	56.5	Commercial building only.....	122,020	495	(*)	.4	832,000	58.3		
Building.....	6,806,113	26,281	2.1	.4	39,507,252	44.0	Manufacturing building only.....	33,824	200	(*)	.6	94,750	78.4		
Building not specialized.....	6,215,601	20,556	1.6	.3	36,683,024	43.2	Residential building only.....	434,668	5,525	.4	.8	1,957,388	48.2		
Manufacturing building only.....	33,824	200	(*)	.6	94,750	78.4	Highway.....	98,245	48,072	3.9	5.1	2,928,001	77.4		
Residential building only.....	434,668	5,525	.4	1.3	1,957,388	48.2	Bridge and culvert.....	2,020,613	82,043	6.6	4.1	6,647,690	80.0		
Bridge and culvert.....	2,020,613	252,407	20.2	12.5	6,647,690	80.0	Grading.....	89,735	1,545	.1	1.7	1,382,647	95.7		
Grading.....	89,735	3,005	.2	3.3	1,382,647	95.7	Street paving.....	1,249,640	4,613	.4	.4	3,403,532	93.4		
Street paving.....	1,249,640	3,351	.3	.3	3,403,532	93.4	Dam and reservoir.....	308,120	19,000	1.5	6.2	970,000	61.6		
Dam and reservoir.....	308,120	39,000	3.1	12.7	970,000	61.6	Waterworks.....	236,085	23,342	1.9	9.0	1,081,156	85.5		
Waterworks.....	236,085	5,740	.5	2.4	1,081,156	85.5	Dredging, river, harbor, etc.....	1,056,599	4,906	.4	.5	3,093,942	97.7		
Dredging, river, harbor, etc.....	1,056,599	4,906	.4	.5	3,093,942	97.7	Central station, light and power plant.....	140,358	6,000	.5	4.3	247,044	85.4		
Central station, light and power plant.....	140,358	6,000	.5	4.3	247,044	85.4	Subcontractors.....	13,458,726	302,228	29.1	2.7	26,993,533	67.2		
Subcontractors.....	13,458,726	605,943	72.7	6.7	26,993,533	67.2	Concreting.....	215,894	2,930	.2	1.4	499,238	97.0		
Concreting.....	215,894	955	.1	.4	499,238	97.0	Masonry.....	291,850	3,713	.3	1.3	681,956	95.9		
Masonry.....	291,850	3,713	.3	1.3	681,956	95.9	Plastering and lathing.....	608,394	1,100	.1	.2	1,721,147	91.7		
Plastering and lathing.....	608,394	283,340	71.9	46.0	1,721,147	91.7	Steel erection.....	1,228,340	350,429	28.6	29.0	2,238,555	93.8		
Marble and tiling.....	1,230,727	11,329	2.9	.9	2,757,324	98.0	Dredging, river, harbor, etc.....	64,259	1,456	.1	2.3	200,064	100.0		
<i>Hardware, rough and finished</i>						<i>Hardware, rough and finished</i>									
All classes.....	20,557,720	1,244,481	100.0	4.7	87,267,961	67.3	<i>Lumber, rough and finished</i>								
General contractors.....	12,907,508	340,600	27.3	2.6	59,410,024	56.5	All classes.....	20,557,720	2,137,870	100.0	8.0	87,267,961	67.3		
Building.....	6,806,113	26,281	2.1	.4	39,507,252	44.0	General contractors ²	13,099,000	1,949,613	61.2	14.9	60,274,428	55.3		
Building not specialized.....	6,215,601	20,556	1.6	.3	36,683,024	43.2	Building.....	6,997,605	1,004,607	75.1	22.9	40,422,650	43.0		
Manufacturing building only.....	33,824	200	(*)	.6	94,750	78.4	Building not specialized.....	6,407,093	1,408,511	65.9	22.0	37,538,428	42.1		
Residential building only.....	434,668	5,525	.4	.8	1,957,388	48.2	Commercial building only.....	122,020	44,267	3.0	52.7	832,000	58.3		
Bridge and culvert.....	2,020,613	252,407	20.2	12.5	6,647,690	80.0	Manufacturing building only.....	33,824	10,549	.5	31.2	94,750	78.4		
Grading.....	89,735	3,005	.2	3.3	1,382,647	95.7	Residential building only.....	434,668	121,340	5.7	27.9	1,957,388	48.2		
Street paving.....	1,249,640	3,351	.3	.3	3,403,532	93.4	Highway.....	98,245	62,168	2.9	6.6	2,928,001	77.4		
Dam and reservoir.....	308,120	39,000	3.1	12.7	970,000	61.6	Bridge and culvert.....	2,020,613	85,408	4.0	4.2	6,647,690	80.0		
Waterworks.....	236,085	5,740	.5	2.4	1,081,156	85.5	Grading.....	89,735	15,150	.7	16.9	1,382,647	95.7		
Dredging, river, harbor, etc.....	1,056,599	4,906	.4	.5	3,093,942	97.7	Street paving.....	1,249,640	4,707	.2	.4	3,403,532	93.4		
Central station, light and power plant.....	140,358	6,000	.5	4.3	247,044	85.4	Dam and reservoir.....	308,120	3,120	.1	1.0	970,000	61.6		
Subcontractors.....	13,458,726	605,943	72.7	6.7	26,993,533	67.2	Waterworks.....	236,085	75,987	3.6	32.2	1,081,156	85.5		
Concreting.....	215,894	955	.1	.4	499,238	97.0	Dredging, river, harbor, etc.....	1,056,599	81,908	3.8	7.8	3,093,942	97.7		
Masonry.....	291,850	3,713	.3	1.3	681,956	95.9	Foundation.....	56,000	16,500	.8	29.5	97,700	87.8		
Plastering and lathing.....	608,394	283,340	71.9	46.0	1,721,147	91.7	<i>Paints, varnishes, glass</i>								
Marble and tiling.....	1,230,727	11,329	2.9	.9	2,757,324	98.0	All classes.....	20,557,720	924,305	100.0	3.5	87,267,961	67.3		
<i>Hardware, rough and finished</i>						<i>Hardware, rough and finished</i>									
All classes.....	20,557,720	1,244,481	100.0	4.7	87,267,961	67.3	General contractors ²	13,099,000	103,729	11.2	.8	60,274,428	55.3		
General contractors.....	12,907,508	340,600	27.3	2.6	59,410,024	56.5	Building.....	6,997,605	76,395	8.3	1.1	40,422,650	43.0		
Building.....	6,806,113	26,281	2.1	.4	39,507,252	44.0	Building not specialized.....	6,407,093	70,222	7.6	1.1	37,538,428	42.1		
Building not specialized.....	6,215,601	20,556	1.6	.3	36,683,024	43.2	Commercial building only.....	122,020	1,380	.1	1.1	832,000	58.3		
Manufacturing building only.....	33,824	200	(*)	.6	94,750	78.4	Residential building only.....	434,668	4,793	.5	1.1	1,957,388	48.2		
Residential building only.....	434,668	5,525	.4	.8	1,957,388	48.2	Bridge and culvert.....	2,020,613	21,236	2.3	1.0	6,647,690	80.0		
Bridge and culvert.....	2,020,613	252,407	20.2	12.5	6,647,690	80.0	Grading.....	89,735	3,000	.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

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				
SAN FRANCISCO—Contd.						SAN FRANCISCO—Contd.									
Roofing and sheet metal						Electrical appliances and supplies—Contd.									
All classes.....	Dollars 26,557,720	Dollars 396,253	100.0	1.5	Dollars 87,267,961	67.3									
General contractors ²	\$13,099,000	50,279	15.0	.5	\$60,274,428	55.3	General contractors—Contd.								
Building.....	\$6,997,605	26,903	6.8	.4	\$40,422,656	43.0	Dredging, river, harbor, etc.								
Building not specialized ³	6,407,093	19,104	4.8	.3	37,538,428	42.1	Central station, light and power plant.....								
Manufacturing building only.....	33,824	800	.2	2.4	94,750	78.4	Subcontractors.....								
Residential building only.....	434,608	6,999	1.8	1.6	1,957,388	48.2	Electrical.....								
Bridge and culvert.....	2,026,613	30,000	7.6	1.5	6,647,690	80.5	Heating and plumbing.....								
Waterworks.....	236,085	1,200	.3	.5	1,081,156	85.0	Heating and piping.....								
Dredging, river, harbor, etc.....	1,056,599	1,176	.3	.1	3,093,942	97.7	Plastering and lathing.....								
Subcontractors.....	\$13,458,726	336,980	85.0	2.5	\$26,993,533	97.2	Elevators, dumb-waiters and equipment⁴								
Concrete.....	215,894	32,600	8.2	15.1	490,238	97.0	All classes.....								
Electrical.....	1,397,451	1,210	.3	.1	2,821,196	99.8	General contractors.....								
Heating and plumbing.....	\$3,433,082	11,213	2.8	.3	\$6,611,422	98.1	Building.....								
Heating and piping.....	961,389	260	.1	(*)	1,967,661	96.4	Building not specialized.....								
Pipe covering.....	140,259	6,278	1.6	4.5	354,012	100.0	Residential building only.....								
Plumbing.....	1,620,883	4,675	1.2	.3	2,888,377	98.6	Bridge and culvert.....								
Roofing and sheet-metal work.....	352,315	291,957	73.7	82.9	711,346	98.5	Subcontractors.....								
Roofing.....	207,107	169,602	42.8	81.9	387,059	95.3	Elevator construction.....								
Sheet-metal work.....	145,208	122,355	30.9	84.3	324,287	99.8	Pipe: Drain tile, vitrified concrete, segment tile, corrugated								
Heating and ventilating equipment						Pipe: Drain tile, vitrified concrete, segment tile, corrugated									
All classes.....	26,557,726	1,571,726	100.0	5.9	87,267,961	67.3	All classes.....								
General contractors ⁵	\$13,099,000	284,653	18.1	2.2	\$60,274,428	55.3	General contractors.....								
Building.....	\$6,997,605	34,653	2.2	.5	\$40,422,656	43.0	Building.....								
Building not specialized ⁶	6,407,093	19,074	1.2	.3	37,538,428	42.1	Building not specialized.....								
Manufacturing building only.....	33,824	1,200	.1	3.5	94,750	78.4	Manufacturing building only.....								
Residential building only.....	434,608	14,379	.9	3.3	1,957,388	48.2	Highway.....								
Bridge and culvert.....	2,026,613	260,000	15.9	12.3	6,647,690	80.0	Bridge and culvert.....								
Subcontractors.....	\$13,458,726	1,287,073	81.9	0.9	\$26,993,533	97.2	Grading.....								
Electrical.....	\$3,433,082	1,287,073	81.9	37.5	\$6,611,422	98.1	Street paving.....								
Heating and plumbing.....	961,389	759,234	48.3	79.0	1,967,661	96.4	Waterworks.....								
Heating and piping.....	140,259	122,422	7.8	87.3	354,012	100.0	Dredging, river, harbor, etc.....								
Pipe covering.....	1,520,883	271,695	17.3	17.9	2,888,377	98.0	Subcontractors.....								
Plumbing.....	132,794	41,339	2.6	31.1	223,289	99.2	Heating and plumbing.....								
Plumbing and heating combined.....	92,383	32,383	5.9	100.0	184,049	100.0	Heating and piping.....								
Automatic temperature control.....	26,557,726	2,285,030	100.0	8.6	87,267,961	67.3	Plumbing.....								
Plumbing and gas-fitting equipment⁷						Bituminous paving materials, tar, asphalt, and oil									
All classes.....	26,557,726	2,285,030	100.0	8.6	87,267,961	67.3	All classes.....								
General contractors ⁸	\$13,099,000	266,783	11.7	2.0	\$60,274,428	55.3	General contractors.....								
Building.....	\$6,997,605	53,408	2.3	.8	\$40,422,656	43.0	Building.....								
Building not specialized ⁹	6,407,093	45,744	2.0	.7	37,538,428	42.1	Building not specialized.....								
Residential building only.....	434,608	7,604	.3	1.8	1,957,388	48.2	Highway.....								
Bridge and culvert.....	2,026,613	200,125	8.8	9.9	6,647,690	80.0	Bridge and culvert.....								
Dam and reservoir.....	308,120	13,000	.6	4.2	970,000	61.6	Grading.....								
Waterworks.....	236,085	250	(*)	.1	1,081,156	85.5	Street paving.....								
Subcontractors.....	\$13,458,726	2,018,256	88.3	15.0	\$26,993,533	97.2	Dredging, river, harbor, etc.....								
Electrical.....	1,397,451	12,000	.5	.9	2,821,196	99.8	Subcontractors.....								
Heating and plumbing.....	\$3,433,082	2,006,256	87.8	58.4	\$6,611,422	98.1	Concrete.....								
Heating and piping.....	961,389	160,265	7.0	16.7	1,967,661	96.4	Roofing and sheet-metal work.....								
Plumbing.....	1,520,883	1,169,162	51.2	70.9	2,888,377	98.0	Roofing.....								
Plumbing and heating combined.....	132,794	91,455	4.0	68.9	223,289	99.2	Marble and tiling.....								
Automatic sprinkler systems.....	585,374	585,374	25.6	100.0	994,034	98.4	Metal products, n. e. s. (including metal furniture)								
Electrical appliances and supplies						Metal products, n. e. s. (including metal furniture)									
All classes.....	26,557,726	1,748,123	100.0	6.6	87,267,961	67.3	All classes.....								
General contractors ¹⁰	\$13,099,000	360,273	20.6	2.8	\$60,274,428	55.3	General contractors.....								
Building.....	\$6,997,605	33,673	1.9	.8	\$40,422,656	43.0	Building.....								
Building not specialized ¹¹	6,407,093	30,973	1.8	.6	37,538,428	42.1	Manufacturing building only.....								
Manufacturing building only.....	33,824	200	(*)	.6	94,750	78.4	Subcontractors.....								
Residential building only.....	434,608	2,500	.1	.6	1,957,388	48.2	Metal work, n. e. s.....								
Bridge and culvert.....	2,026,613	161,770	8.3	8.0	6,647,690	80.0									
Grading.....	89,735	3,000	.2	3.3	1,382,647	95.7									
Waterworks.....	236,085	36,000	2.1	1.5	1,081,156	85.5									

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 page 231.

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 the 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 material in their distributed lists.

⁸ Includes construction work reported by operative builders who did not include the designated material in their distributed lists.

⁹ See footnote 4 of Table 9 on page 231.

¹⁰ Includes cost of materials reported by subcontracting establishments which did not include the designated material in their distributed lists.

¹¹ Includes construction work reported by subcontracting establishments which did not include the designated material in their distributed lists.

CONSTRUCTION—CALIFORNIA

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

[This table is made up in three sections; the second section begins on p. 250, the third on p. 253]

CLASSIFICATION OF ESTABLISHMENTS	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	
	Total cost of all materials ¹	Amount												Per cent of total
CALIFORNIA	Dollars 161,121,833	Dollars 122,487,867	81.1	Dollars 114,242,059	Dollars 2,493,742	Dollars 444,452	Dollars 2,803,077	Dollars 753,793	Dollars 1,470,735	Dollars 847,302	Dollars 113,499,857	Dollars 333,920	Dollars 1,900,592	Dollars 6,294,237
Operative builders	1,162,759	903,740	77.7	42,365	2,006	410	7,821	33	55		28,573	015	23,031	300
General contractors	83,957,412	65,353,189	77.8	13,279,050	1,272,029	183,235	447,079	695,022	147,131	332,548	12,408,135	130,574	312,254	1,120,659
Building	43,395,002	30,990,134	71.4	3,331,958	1,114,884	162,715	370,600	240,996	108,369	45,346	4,326,454	122,445	273,012	332,133
Building not specialized	35,081,071	25,226,002	71.9	2,950,206	1,020,038	155,150	321,549	220,129	97,310	43,522	3,803,015	88,888	237,327	302,838
Commercial building only	1,798,889	1,310,228	73.2	136,178	50,033	60	9,511	5,376			250,957	23,112	5,650	64,969
Manufacturing building only	1,280,994	428,394	33.2	103,150	3,574		200				134,229			11,200
Residential building only	5,225,048	4,019,510	76.9	142,418	25,339	7,499	39,346	14,991	11,059	1,824	133,253	10,445	30,035	13,126
Highway	9,642,005	8,198,505	85.0	3,202,363	3,322		1,133	210,530		84,191	1,714,817	1,911	4,854	31,003
Bridge and culvert	3,500,578	3,130,508	89.4	337,884	55,893	20,450	75,000	17,429	15,000	20,000	331,326	390	33,005	405,840
Grading	299,444	243,447	81.3	107,664	679	70			400	4,359	11,494			3,005
Street paving	17,066,810	14,428,305	84.5	5,016,739	27,490			53,140	23,412	111,406	4,625,435	3,847	435	34,034
Sewer, gas, water, conduit	2,974,601	2,442,371	82.1	179,655	99,733		340	5,500			231,426			23,272
Dam and reservoir	2,470,086	2,232,961	90.4	172,860				149,000			895,771	1,758	275	49,126
Waterworks	309,313	266,832	86.3	36,019							18,284			5,740
Dredging, river, harbor, etc.	2,158,731	1,910,445	88.8	212,640	45						262,481	80		140,280
Levee	8,429	8,429	100.0	175							2,260			2,200
Railroad	291,451	97,331	33.4	4,138							6,135			44,923
Foundation	125,400	125,400	100.0	20,651	101			27			38,767	43	73	215
Central station, light and power plant	1,614,510	1,222,834	75.7	37,292				4,000		5,275	32,054			0,878
Air transport work	14,998	14,998	100.0	2,776							4,141			
Telephone line and system	34,689	34,689	100.0	7,330	286						5,045			
Subcontractors	66,001,602	56,230,752	85.2	920,638	1,218,117	200,807	2,353,177	63,138	1,323,549	14,754	973,149	202,431	1,024,657	5,104,278
Carpentering and wood flooring	1,996,055	1,697,933	85.1	5,000	5,000						2,400			8,213
Concreting	1,133,357	968,120	85.4	352,072	12,467	560		10,340		785	380,958	1,520	3,291	1,752
Electrical	7,830,481	7,491,582	95.7	31,578	172						24,934			200
Elevator construction	3,394,040	3,047,824	89.8											
Heating and plumbing	20,220,555	15,870,407	78.5	6,389	15,109	100	49,639			274	12,398	111	523	14,901
Heating and piping	3,782,903	2,899,849	76.7	1,864	14,784		2,371				2,069	111	523	7,901
Pipe covering	313,996	246,037	78.5											
Plumbing	13,345,484	11,517,113	86.3	4,500	325		47,263				10,305			7,000
Plumbing and heating combined	1,771,353	303,989	17.2	25		100					24			
Automatic temperature control	92,383	92,383	100.0											
Automatic sprinkler systems	914,436	810,436	88.6											
Masonry	2,044,228	1,683,119	82.3	91,396	1,020,015	132,393	36,987	4,604	1,200	1,585	128,751	90,365	5,102	30,277
Painting and decorating	1,595,725	1,511,061	94.7											
Glass and glazing	1,024,211	1,714,560	89.1	275	7,040						100			
Plastering and lathing	2,081,126	2,140,769	79.8	104,895	7,550	2,250	500	12,662		4,012	177,970	104,667	988,340	33,227
Roofing and sheet-metal work	5,104,405	4,056,902	78.6	25,603	95,690	88,448					6,180	94	418	10,227
Roofing	3,406,928	2,898,407	85.1	25,503	95,690	88,448					6,100	94	418	10,095
Sheet-metal work	1,721,300	1,122,408	65.2	100							20			132
Roofing and sheet metal combined	36,087	36,087	100.0											
Steel erection	9,458,912	9,122,988	96.4											4,061,718
Stone work	375,640	331,975	88.4	4,833										
Marble and tiling	4,663,161	3,779,302	82.8	64,981	150,839	22,462	154,038	35,299	1,014,067	8,098	105,366	2,908	24,168	275
Excavating	134,595	131,579	97.8	72,699	965						5,552			
Ornamental iron	824,035	680,080	82.5						750					47,191
Bridge and culvert	12,969	12,969	100.0	3,100							5,150			
Grading	20,286	20,286	100.0	18,409							377			
Street paving	241,171	219,291	90.9	66,832							90,516			
Sewer, gas, water, conduit	40,415	12,300	30.4											
Waterworks	75,137	75,137	100.0											
Dredging, river, harbor, etc.	64,259	64,259	100.0	2,645				233			3,692			
Soundproofing	253,413	233,413	92.1								1,432			
Power plant	397,826	397,826	100.0	6,009							5,795			
Metal work, n. e. s.	908,174	779,166	85.8	200							433			20,524
Flooring, n. e. s.	647,486	281,904	43.5	3,722			22,965		4,958		3,992	1,960	1,815	
LONG BEACH	4,483,659	3,676,618	82.0	11,442,231	118,118	25,145	213,985	2,393	54,963	20,275	11,424,595	9,546	50,348	30,114
General contractors	2,672,583	2,098,030	78.5	404,701	38,053	1,378	13,721	2,275	35,617	20,275	400,157	805	21,240	27,652
Building	1,548,226	1,084,279	70.0	69,067	38,053	1,378	13,721	2,275	12,355		88,903	805	21,240	26,774
Building not specialized	981,228	896,228	91.3	60,311	37,402	1,378	13,471	2,275	12,355		83,745	805	15,240	23,808
Commercial building only	39,187	39,187	100.0	2,971	621						3,176			2,966
Residential building only	227,811	148,864	65.3	5,785	30		250				1,982		0,000	
Highway	242,474	242,474	100.0	111,849							76,875			
Bridge and culvert	74,956	74,956	100.0	23,759							15,000			
Street paving	620,414	620,414	100.0	173,954							205,805			
Dredging, river, harbor, etc.	32,600	32,600	100.0	15,100							15,400			
Central station, light and power plant	153,913	43,913	28.5	10,978						5,275	13,174			878
Subcontractors	1,786,063	1,577,982	88.3	37,530	80,065	23,767	200,264	108	19,346		24,438	8,741	20,108	2,462
Carpentering and wood flooring	142,943	142,943	100.0											
Concreting	17,800	17,800	100.0	9,000							5,000			
Electrical	353,516	339,516	96.0											
Heating and plumbing	483,258	437,903	90.6											
Heating and piping	111,632	111,632	100.0											
Plumbing	326,271	326,271	100.0											
Masonry	140,228	140,228	100.0	18,000	80,065	3,438	3,929	108			7,559	6,891		2,462
Painting and decorating	80,529	35,508	44.1											
Plastering and lathing	53,294	53,294	100.0	4,654							5,000	1,850	28,690	
Roofing and sheet-metal work	198,695	163,695	82.4	2,530			20,329	6,901			926			418
Roofing	163,695	163,695	100.0	2,530			20,329	6,901			926			418
Marble and tiling	218,893	218,893	100.0	3,346			189,434		19,346		5,963			
Ornamental iron	45,702	28,702	62.8											

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	Ritrap, rubble, etc.	Cement	Lime	Plaster, etc.	Structural steel											
		Amount	Per cent of total												Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
LOS ANGELES	60,605,612	63,407,195	88.1	11 6,356,138	1,492,094	220,654	871,119	120,219	849,954	184,328	11 6,356,319	267,651	586,841	8,147,000											
Operative builders	659,294	548,294	83.2	37,800			6,000				22,890	450	9,550												
General contractors	231,734,790	27,506,810	86.7	5,051,241	899,444	52,392	209,743	109,022	60,391	184,054	6,036,338	29,077	107,140	443,190											
Building	15,438,133	12,854,342	83.3	1,596,246	849,283	52,392	209,743	61,021	60,391	3,022	2,050,407	28,733	107,140	134,611											
Building not specialized	12,120,280	10,018,444	82.6	1,302,924	789,428	47,543	193,984	58,622	60,391	1,198	1,703,414	19,830	88,926	120,389											
Commercial building only	1,160,873	827,849	71.3	91,468	51,345	60	9,176				179,300	3,064	3,556	11,356											
Manufacturing building only	342,087	332,087	97.1	91,100	2,874		200				117,479														
Residential building only	1,805,893	1,670,462	92.8	50,748	5,636	4,789	6,383	2,399		1,824	50,208	6,350	14,049	2,866											
Highway	2,024,661	1,882,311	93.0	796,439	1,821			9,087		63,491	381,130			21,505											
Bridge and culvert	696,728	420,718	60.4	85,201							110,999			68,939											
Grading	10,544	10,544	100.0	10,544																					
Street paving	8,245,671	7,817,464	94.8	3,168,586	9,447			38,014		111,406	2,536,423	129		27,061											
Sewer, gas, water, conduit	1,772,038	1,417,107	80.0	114,719	38,893						158,523			5,151											
Dam and reservoir	1,396,345	1,396,345	100.0	134,926							709,485	135		5,626											
Waterworks	73,228	30,747	42.0	4,581							5,420														
Dredging, river, harbor, etc.	837,304	637,916	76.2	46,685							74,459	80		135,374											
Railroad	88,489	88,489	100.0							6,135				44,023											
Central station, light and power plant	1,100,896	950,833	86.4	3,314							3,480														
Subcontractors	728,211,528	25,352,085	89.9	367,028	502,650	168,262	765,376	11,197	789,563	274	277,091	238,124	470,151	2,703,810											
Carpentering and wood flooring	851,820	829,456	97.4											8,213											
Concreting	433,070	377,464	87.2	129,465								157,033		797											
Electrical	3,140,478	3,075,478	97.9	30,478	172						23,984														
Elevator construction	229,720	229,720	100.0																						
Heating and plumbing	7,316,769	6,346,570	86.7	5,269	11,420	100	1,326			274	11,781	111	523	14,901											
Heating and piping	666,923	459,210	68.9	1,364	11,404		1,326			274	1,661	111	523	7,901											
Pipe covering	71,378	71,378	100.0																						
Plumbing	5,827,124	5,612,228	96.3	3,880	25						10,096			7,000											
Plumbing and heating combined	455,702	12,112	2.7	25		100					24														
Automatic sprinkler systems	295,642	191,642	64.8																						
Masonry	865,858	829,235	95.8	25,367	550,825	61,043	2,187	3,497			50,199	39,930	502	22,155											
Painting and decorating	710,673	689,631	97.0																						
Glass and glazing	1,133,753	936,102	82.6	275		7,046					160														
Plastering and lathing	1,077,024	841,297	78.1	65,898		2,250		7,700			34,612	38,834	456,287												
Roofing and sheet-metal work	2,202,718	1,820,904	83.1	15,697		75,301	29,167				2,595			10,095											
Roofing	1,689,629	1,288,668	81.1	15,697		75,301	29,167				2,595			10,095											
Sheet-metal work	613,089	541,236	88.3											2,630,611											
Steel erection	6,325,964	6,325,964	100.0																						
Stonework	274,159	259,159	94.5							259,159															
Marble and tiling	1,840,828	1,368,204	75.2	10,960	224	22,462	708,841			529,654	50,606	260	12,889												
Excavating	49,309	49,309	100.0	2,229							5,028														
Ornamental iron	231,841	133,369	57.6							750				2,038											
Street paving	219,291	219,291	100.0	66,832							90,510														
Waterworks	75,137	75,137	100.0																						
Soundproofing	58,417	38,417	65.8																						
Power plant	397,826	397,826	100.0	6,009							1,432														
Metal work, n. e. s.	346,267	315,842	91.2	200							5,795			9,000											
Flooring, n. e. s.	402,591	168,322	41.8	2,439			13,865				433	1,966													
OAKLAND	7,804,973	6,993,133	89.6	11 713,072	68,063	42,036	133,111	189,280	20,181	4,376	11 493,088	15,569	30,494	11 639,396											
Operative builders	81,765	51,705	63.3																						
General contractors	3,661,166	2,804,105	76.6	656,442	8,222	40,664	300	189,280	181	4,376	457,764	2,100	5,170	90,705											
Building	1,240,154	876,894	70.7	43,000	3,501	40,664	300	280	181	800	61,385	2,160	5,170	43,138											
Building not specialized	828,610	548,550	66.2	24,605	3,101	39,023			181	800	23,880	860	2,770	4,138											
Commercial building only	211,179	179,000	85.0	14,775							33,645			39,000											
Residential building only	200,365	148,714	74.2	3,720	400	1,041	360	230			3,860	1,800	2,400												
Highway	466,548	347,277	74.4	46,360				189,000																	
Bridge and culvert	107,345	107,345	100.0	11,350										37,984											
Street paving	1,466,404	1,121,904	76.5	540,080							346,648														
Sewer, gas, water, conduit	201,796	261,796	130.2	4,016	4,721						7,121			0,683											
Dredging, river, harbor, etc.	88,919	88,919	100.0	11,636						3,676	29,875														
Subcontractors	3,592,042	3,137,263	87.3	56,630	60,831	1,371	132,751		20,000		35,274	13,420	25,324	548,691											
Carpentering and wood flooring	141,320	78,542	55.6																						
Concreting	31,037	15,265	49.2	8,065							5,808														
Electrical	222,237	222,237	100.0																						
Heating and plumbing	1,339,118	1,186,016	88.6	250	1,820						125														
Heating and piping	570,025	416,928	73.1	250	1,820						125														
Pipe covering	35,000	35,000	100.0																						
Plumbing	734,093	734,093	100.0																						
Masonry	101,985	79,705	78.2	1,442	50,011	1,371	52				6,781	3,639		63											
Painting and decorating	48,319	48,319	100.0																						
Glass and glazing	218,090	218,090	100.0																						
Plastering and lathing	116,744	95,885	82.1	8,688							19,560	9,790	25,324												
Roofing and sheet-metal work	365,389	355,389	100.0	1,500																					
Roofing	236,300	236,300	100.0	1,500																					
Sheet-metal work	119,089	119,089	100.0																						
Steel erection	563,257	563,257	100.0											521,028											
Marble and tiling	312,770	174,788	55.9	14,600	3,000		132,669		20,000		3,000														
Excavating	22,085	22,085	100.0	22,085																					
Ornamental iron	45,705	45,705	100.0											27,600											
Flooring, n. e. s.	48,971	31,971	72.7																						

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												
	Dollars	Per cent of total	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		
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars		
SAN DIEGO	7,238,241	6,030,133	83.3	1,342,330	36,215	28,176	142,300	19,544	41,300	350	1,130,240	16,782	56,186	183,875	
General contractors	5,554,280	4,621,094	83.2	1,278,169	18,098		5,698	19,544	3,961	350	1,080,582	8,282	13,705	37,727	
Building	1,092,579	899,811	82.4	120,045	12,388		5,693	2,115	3,961		140,940	7,892	13,105	29,226	
Building not specialized	962,652	799,833	83.1	112,652	10,801		3,093	2,115	3,961		136,911	7,892	13,165	29,156	
Residential building only	129,927	99,978	76.9	7,993	1,587		2,000				4,029			70	
Highway	1,971,217	1,913,214	97.1	743,462							321,262				
Bridge and culvert	136,715	136,715	100.0	13,891	5,710			17,429			38,570	300	600	8,501	
Grading	350	350	100.0							350					
Street paving	2,264,236	1,581,871	69.9	394,283							685,100				
Sewer, gas, water, conduit	80,291	80,291	100.0	1,750							3,645				
Railroad	8,842	8,842	100.0	4,138											
Subcontractors	1,682,011	1,409,039	83.8	64,161	18,117	28,176	136,607		37,339		40,664	7,500	42,431	146,148	
Concreting	66,420	58,420	88.0	9,872	117	170					24,646		616		
Electrical	198,405	198,405	100.0												
Heating and plumbing	541,732	329,093	60.7												
Heating and piping	56,140	23,577	42.0												
Plumbing	353,018	305,516	86.5												
Masonry	63,000	63,000	100.0	3,000	18,000	28,000					6,500	7,500			
Painting and decorating	15,329	15,329	100.0												
Glass and glazing	29,723	29,723	100.0												
Plastering and lathing	92,333	40,000	43.3										40,000		
Roofing and sheet-metal work	170,542	170,542	100.0												
Roofing	160,134	160,134	100.0												
Sheet-metal work	20,408	20,408	100.0												
Steel erection	189,879	169,879	100.0											146,148	
Marble and tiling	170,533	170,533	100.0				127,507		32,381		5,556				
Excavating	47,164	47,164	100.0	2,842											
Ornamental iron	43,379	43,379	100.0	47,104											
Sewer, gas, water, conduit	12,800	12,800	100.0												
Flooring, n. e. s.	64,272	64,272	100.0	1,283			9,100		4,958		3,062		1,315		
SAN FRANCISCO	33,888,077	26,557,726	78.4	2,281,788	426,451	95,235	872,843	344,989	438,912	121,518	2,394,577	108,176	393,804	1,246,633	
Operative builders	246,492	101,492	77.7	390	2,090	310	21	33	55		4,133	165	11,931		
General contractors	17,793,474	12,907,508	72.5	2,092,017	120,807	61,065	130,189	298,934	32,798	115,919	2,220,300	59,182	82,410	340,690	
Building	10,775,546	6,806,113	63.2	903,285	57,870	41,065	55,189	113,595	17,793	40,619	1,232,195	57,223	62,410	26,281	
Building not specialized	9,924,476	6,215,601	62.6	878,985	49,858	40,220	36,475	109,975	7,298	40,619	1,207,014	37,376	50,164	20,556	
Commercial building only	289,578	122,029	50.9								18,271	10,848	64		
Manufacturing building only	133,824	33,824	25.3	900	700						250			200	
Residential building only	477,668	494,668	103.5	23,400	7,812	845	18,714	3,590	10,500		6,660		2,192	5,525	
Highway	661,745	938,245	141.8	354,929	1,818			20,343		20,400	269,032	1,069			
Bridge and culvert	2,103,881	2,026,613	96.3	162,796	50,000	20,000	75,000		15,000	5,000	92,735		30,000	262,407	
Street paving	89,735	89,735	100.0	8,100							120			3,005	
Dam and reservoir	1,624,890	1,249,640	76.9	477,104	11,134			15,120			392,673			3,351	
Waterworks	545,245	308,120	56.5					149,000			58,000			39,000	
Dredging, river, harbor, etc.	236,058	236,058	100.0	31,438							12,858			5,740	
Foundation	1,086,225	1,056,599	97.3	137,955	45					50,000	133,747			4,906	
Central station, light and power plant	271,977	140,358	51.6	3,000							24,000				
Subcontractors	15,843,111	13,458,726	84.9	168,775	301,888	33,860	542,633	46,872	406,089	5,597	5,000	170,034	46,870	299,553	905,943
Carpentering and wood flooring	338,677	213,218	63.0												
Concreting	215,894	215,894	100.0	83,635		250		10,340			69,224		2,075	955	
Electrical	1,424,285	1,397,451	98.1												
Elevator construction	3,143,870	2,797,654	89.0												
Heating and plumbing	4,303,385	3,433,082	79.7	260	1,210		46,148				205				
Heating and piping	1,359,065	961,389	70.7	260	1,210		880				205				
Pipe covering	207,618	140,269	67.6												
Plumbing	1,520,883	1,520,883	100.0												
Plumbing and heating combined	543,062	132,794	24.5				46,768								
Automatic temperature control	92,383	92,383	100.0												
Automatic sprinkler systems	585,374	585,374	100.0												
Masonry	400,336	291,850	72.9	27,024	147,518	33,610	7,404		1,585		35,088	12,544	2,200	3,713	
Painting and decorating	364,302	364,302	100.0												
Glass and glazing	386,080	386,080	100.0												
Plastering and lathing	719,598	608,394	84.5	37,730				1,000		4,012	41,438	33,680	283,340		
Roofing and sheet-metal work	722,315	352,315	48.8	3,844			5,786				500				
Roofing	242,107	207,107	85.5	3,844			5,786				500				
Sheet-metal work	480,208	145,208	30.2												
Steel erection	1,473,340	1,228,340	83.4											870,411	
Marble and tiling	1,293,943	1,239,727	95.8	13,647	153,165		483,295	35,299	406,089		19,907	655	11,320		
Excavating	2,834	2,834	100.0												
Ornamental iron	279,310	243,891	87.3											10,340	
Dredging, river, harbor, etc.	64,259	64,259	100.0	2,645				233			3,692				
Soundproofing	194,996	194,996	100.0												
Metal work, n. e. s.	457,677	407,094	88.9											20,624	
Flooring, n. e. s.	29,339	17,339	59.1												

See footnotes at end of table.

CONSTRUCTION—CALIFORNIA

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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	Millwork	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.
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
LOS ANGELES	1,195,427	305,644	338,392	239,994	183,563	6,063,024	87,430	1,108,886	178,639	117,328	699,390	1,709,499	1,588,068	216,620	76,612
Operative builders				800	1,500	290,147	1,750	53,627	1,000	500	38,968	4,000	4,500	15,700	8,398
General contractors	1,145,134	145,652	84,587	37,314	64,716	3,855,045	35,908	1,041,055	80,289	37,508	547,136	125,670	135,006	75,500	35,452
Building	907,220	17,012	78,987	37,314	60,736	3,359,575	35,908	1,038,103	80,289	36,721	491,245	122,866	129,303	75,200	35,452
Building not specialized	823,243	15,400	56,042	35,815	49,234	2,351,210	22,345	692,315	70,423	12,098	373,068	93,373	111,121	01,946	18,577
Commercial building only	76,902	500	3,209	1,000	1,916	176,227	1,000	20,149	1,013	9,412	30,553	3,180	8,122	835	1,412
Manufacturing building only	174					32,801					2,379				
Residential building only	6,601	1,112	10,739	409	9,597	709,277	12,503	325,042	8,853	14,611	79,245	25,804	10,000	12,479	15,463
Highway	35,071					95,346					8,671				
Bridge and culvert	44,121	1,305			3,950	68,057		2,212			8,527	863	3,000		
Street paving	44,218	80,807				129,415		737		130	17,867	525	1,001	300	
Sewer, gas, water, conduit	433	38,946				6,347					3,615	79			
Dam and reservoir	07,485	1,250	5,600			20,948				048	7,657		1,378		
Waterworks	207	47				501						114			
Dredging, river, harbor, etc.	44,367	4,005				174,270					7,957	1,729	327		
Railroad						10,749					1,577				
Central station, light and power plant	912	2,130				350									
Subcontractors	50,293	159,992	253,805	201,880	117,347	917,232	40,772	12,203	97,350	70,320	83,201	1,579,790	1,448,544	125,360	31,702
Carpentering and wood flooring						720,493		11,144	550	8,000	20,738	37,307	5,610		
Concrete	14,886	350		35,295		7,738			7,400		10,161	500			
Electrical	162	6,070				3,743		892			1,528	13,920	0,150		
Elevator construction						800					0,000	250	800		
Heating and plumbing	18,368	8,527	4,000	3,000	8,500	78,205		2,377			15,700	8,072	50,416	1,440	
Heating and piping	3,368	8,527			8,500	2,011		2,377			5,199	1,422	50,065		
Plumbing	15,000		4,000	3,000		75,384					10,000	7,150	0,000	1,440	
Plumbing and heating combined															
Masonry	1,363	3,150	7,491	7,733		3,109			12,337		1,475		350		
Painting and decorating									80		2,700		455		
Glass and glazing			108,040	68								680,245	1,870		
Plastering and lathing				143,915		1,400	37,503		10,832			818,513			
Roofing and sheet-metal work												4,983			
Roofing						73,372	12,109		20,317	30,082	0,807		5,908	1,377,309	
Sheet-metal work						73,372	12,109		20,317	30,087	0,007		4,736	959,697	
Steel erection	10,116	136,779								25	200	1,172	417,712		
Marble and tiling	100			9,510		1,251									
Excavating	1,848					0,800		167	440	429				7,466	
Ornamental iron		3,470			108,787						306	166			
Street paving	2,043	646				10,274					1,500				
Soundproofing															
Power plant	508					492			30,842		2,559	1,272			
Metal work, n. e. s.		1,000	136,274	2,000		350				1,705	2,540	894	575	2,400	5,200
Flooring, n. e. s.				360		109	100		100	100		716		114,054	26,562
OAKLAND	111,861	12,858	38,317	22,395	18,438	518,503	7,252	189,037	26,592	7,997	70,792	276,890	354,492	36,713	3,962
Operative builders						22,800	945	10,500			2,820	1,200			500
General contractors	60,049	11,466	7,617		1,331	424,084	3,278	178,387	0,679	7,789	66,270	10,724	10,711	3,742	2,802
Building	21,374	3,000	7,617		1,331	314,803	3,278	178,387	0,679	1,957	50,033	5,817	10,403	3,742	2,802
Building not specialized	15,699	3,000	7,317		1,331	180,390	1,048	136,201	5,557	1,852	40,107	4,047	9,903	3,742	2,744
Commercial building only						69,990		9,313	922	105	7,142				
Residential building only	5,675		300			74,423	1,630	32,813	3,200		11,724				
Highway						59,000						1,770	500	118	
Bridge and culvert	7,907					21,269					100	3,200			
Street paving	8,561	3,599				21,686				5,832	4,082	1,707	308		
Sewer, gas, water, conduit	1,207	4,807				1,794					1,655				
Dredging, river, harbor, etc.	30,000					12,432					1,400				
Subcontractors	42,812	1,392	30,700	22,395	17,105	70,719	3,029	150	16,913	208	1,092	204,972	343,771	31,071	
Carpentering and wood flooring						70,094			165		253	6,947			
Concrete	533					125									
Heating and plumbing									15,000			50	26,619		
Heating and piping									15,000			50	20,000		
Pipe covering													6,019		
Plumbing															
Masonry										58			57		
Painting and decorating															
Glass and glazing			8,500									48,319			
Plastering and lathing		392		22,395			2,979		1,748			209,599			
Roofing and sheet-metal work															
Roofing			22,200								800		317,152		
Sheet-metal work			22,200								800		228,800		
Steel erection	42,229					500	50	150		150	630		88,352		
Marble and tiling															
Ornamental iron		1,000			17,105										
Flooring, n. e. s.														31,071	

CONSTRUCTION—CALIFORNIA

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

[See note at head of table]

CLASSIFICATION OF ESTABLISHMENTS	Heat- ing and venti- lating equip- ment	Plumbing and gas fitting equip- ment	Electri- cal appli- ances and supplies	Eleva- tors, dumb- waiters, etc.	Pipe: Drain tile, vit- rified con- crete, etc.	Pipe: Cast iron, sheet and tube steel, etc.	Wire cable, guards and fenc- ing	Bitumi- nous pav- ing ma- terials	Wood piling and timber	Ready mixed con- crete	Ma- chinery	Freight haul- ing or truck- ing to job	Metal prod- ucts, n. e. s.	Min- eral prod- ucts (non- metal- lic), n. e. s.	Tex- tiles and calik- ing mate- rials	Mis- cella- neous ¹³
CALIFORNIA	Dollars 5, 155, 866	Dollars 11, 965, 478	Dollars 19, 210, 465	Dollars 3, 822, 072	Dollars 3, 462, 209	Dollars 1, 843, 198	Dollars 228, 832	Dollars 3, 900, 153	Dollars 437, 989	Dollars 106, 247	Dollars 286, 290	Dollars 572, 017	Dollars 2, 727, 872	Dollars 88, 538	Dollars 130, 781	Dollars 786, 855
Operative builders	18, 498	46, 487	28, 607		150	300		300								
General contractors	496, 610	1, 013, 378	1, 551, 200	147, 504	3, 302, 898	874, 480	85, 030	3, 825, 728	347, 709	97, 746	203, 290	523, 623	22, 477	27, 861	644	608, 148
Building	225, 375	635, 632	316, 766	62, 324	43, 213	235, 007	11, 272	11, 718	15, 962	81, 598	126, 093	78, 852	22, 203	27, 681	142	214, 678
Building not specialized	183, 865	404, 600	221, 512	56, 102	35, 791	222, 565	8, 330	11, 448	15, 962	81, 055	30, 342	41, 172	58	26, 147	142	193, 402
Commercial building only	89	70, 281	50, 505		2, 000	10, 442	779			543		217	14, 708	1, 482		6, 069
Manufacturing building only	1, 200		4, 063		50	1, 500					90, 051		0, 000			30
Residential building only	40, 221	161, 601	40, 686	7, 222	4, 772	500	2, 163	270				37, 493	1, 627	62		14, 577
Highway		18, 771	935		170, 273	61, 433	13, 097	1, 637, 130	34, 079	7, 075		85, 789				188, 891
Bridge and culvert	252, 250	209, 536	188, 909	85, 000	4, 882	3, 317	2, 680	20, 861								
Grading		1, 033	3, 000		10, 760	18, 780	6, 000	28, 602								
Street paving	300	40, 621	73, 202	120	528, 593	114, 292	4, 591	2, 098, 877	928	5, 585		349, 621				175, 748
Sewer, gas, water, conduit		34, 100	16, 498		1, 536, 790	104, 613	3, 861	10, 088		3, 488		1, 605				4, 019
Dam and reservoir	18, 385	72, 273	602		471, 310	48, 047	400				130, 297					
Waterworks		250	36, 000		473	47, 744	250	907							502	5, 070
Dredging, river, harbor, etc.		150	472		581, 737	3, 948	0, 210	2, 040	247, 483			2, 304	184			9, 681
Levee		300					1, 470									
Railroad					2, 206	711		329	12, 606			5, 502				4, 704
Foundation	300	622	82	00	3, 072	8, 282	75	4, 468								3, 857
Central station, light and power plant			014, 074		439	157, 500	36, 000	10, 000								
Air transport work					187		24								180	
Telephone line and system					7, 904	8, 006										
Subcontractors	4, 640, 768	10, 893, 608	7, 030, 508	3, 775, 168	99, 251	408, 418	142, 890	134, 126	90, 203	8, 501	23, 000	48, 304	2, 705, 395	60, 677	130, 137	188, 707
Carpentering and wood floor- ing								1, 172								1, 503
Concreting		0, 598	333		7, 841	5, 314		0, 309		7, 507						8, 390
Electrical	2, 641	12, 000	7, 184, 753	6, 582	20, 401	55, 298	7, 000		70, 000			24, 500				2, 159
Elevator construction			12, 760	3, 010, 124		2, 500	5, 800									
Heating and plumbing	4, 003, 400	10, 737, 126	130, 779	100	37, 572	103, 008	6, 633	10, 000			23, 000			440	125, 000	24, 976
Heating and piping	2, 383, 501	281, 177	23, 070	100	3, 000	37, 355	1, 133							440		15, 021
Pipe covering	193, 800															
Plumbing	1, 352, 750	9, 446, 820	110, 700		34, 426	120, 835	5, 400	10, 000			23, 000				125, 000	7, 858
Plumbing and heating com- bined	91, 047	200, 681			50	4, 878										
Automatic temperature con- trol																
Automatic sprinkler systems	92, 383	808, 930								904						1, 497
Masonry	402	2, 489										3, 630		50, 168		15, 575
Glass and glazing																4, 000
Plastering and lathing			132				1, 804					5, 212			2, 000	11, 967
Roofing and sheet-metal work	74, 320	120, 010	125		45	11, 300		82, 284							429	6, 216
Roofing								82, 284								5, 019
Sheet-metal work	74, 326	120, 010	125		45	11, 300									429	1, 197
Steel erection	408, 341	288		748, 505		80, 853						2, 244, 700				20, 000
Stone work																1, 500
Marble and tiling		1, 888					468	4, 320				456	103	9, 570		66, 995
Excavating		3, 003					2, 816									
Ornamental iron			18, 167		11, 773	18, 835	161									
Bridge and culvert								2, 133								
Grading			1, 500													
Street paving					10, 619			21, 461				14, 500				
Sewer, gas, water, conduit					2, 000	10, 300										
Waterworks						75, 137										
Dredging, river, harbor, etc.							1, 049	18, 763							1, 539	
Soundproofing																143
Power plant			273, 059			45, 813	47, 319									15, 000
Metal work, n. e. s.	1, 408			797			60, 056	1, 500					457, 361			9, 050
Flooring, n. e. s.								3, 446					3, 231		1, 169	724
LONG BEACH	118, 729	11, 341, 051	12, 356, 540		6, 739	121, 255	329	187, 698	500			51, 181		11, 789	429	26, 873
General contractors	4, 856	16, 530	16, 024		6, 730	121, 255	329	187, 698	500			48, 839		6, 057		24, 232
Building	4, 856	8, 080	10, 385			121, 255	329									20, 065
Building not specialized	3, 280	6, 300	10, 090			121, 255	329									20, 815
Commercial building only			195													
Residential building only	1, 575	1, 780	100													150
Highway					0, 050			36, 438								3, 094
Bridge and culvert		8, 300	5, 200					6, 000								
Street paving								145, 262	500			48, 839				173
Dredging, river, harbor, etc.		150			250											
Central station, light and power plant			439		439											
Subcontractors	118, 874	324, 521	330, 516					5, 514				2, 345		5, 722	429	2, 641
Electrical			339, 516													
Heating and plumbing	113, 832	324, 521														
Heating and piping	111, 632															
Plumbing	1, 750	324, 521														
Masonry	492															
Roofing and sheet-metal work								5, 514				2, 345		5, 722		1, 230
Roofing								5, 514							429	1, 402

See footnotes at end of table.

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

[See note at head of table]

CLASSIFICATION OF ESTABLISHMENTS	Heat- ing and venti- lating equip- ment	Plumbing and gas fitting equip- ment	Electri- cal appli- ances and supplies	Eleva- tors, dumb- waiters, etc.	Pipe: Drain tile, vit- rified con- crete, etc.	Pipe: Cast iron, sheet and tuba steel, etc.	Wire cable, guards and fenc- ing	Bitumi- nous pav- ing ma- terials	Wood piling and timber	Ready mixed con- crete	Ma- chin- ery	Freight haul- ing or truck- ing to job	Metal prod- ucts, n. e. s.	Min- eral prod- ucts (non- metal- lic), n. e. s.	Tex- tiles and calk- ing ma- terials	Mis- cella- neous ¹
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
LOS ANGELES	1,624,247	11 5,338,237	12 4,289,005	1,004,134	1,734,381	638,678	180,703	1,245,513	160,308	3,488	276,780	373,202	2,317,148	34,737	128,871	450,267
Operative builders.....	2,700	23,500	24,450													
General contractors.....	138,738	483,624	962,708	53,752	1,660,730	297,269	50,357	1,165,228	188,809	3,488	253,790	338,328	1,591	8,374	502	370,855
Building.....	136,438	419,809	185,044	48,752	12,831	68,809	6,134	7,573			117,493	65,932	1,407	8,374		122,283
Building not specialized.....	127,008	238,149	110,967	41,885	9,024	68,809	3,617	7,471			36,342	28,032	68	7,090		106,629
Commercial building only.....	80	78,265	50,000		1,000		779							1,232		5,204
Manufacturing building only.....			3,803								81,151					
Residential building only.....	9,341	103,305	20,214	1,867	2,807	500	1,738	102				37,000	1,349	52		10,430
Highway.....					25,996	624	2,987	290,764	33,641							114,230
Bridge and culvert.....	2,000		7,109	10,000	970	3,020		4,325								
Street paving.....	300	37,542	7,865		327,409	42,776	2,237	856,569				264,590				122,051
Sewer, gas, water, conduit.....		3,000	15,543		1,009,138	8,568	2,999	5,000		3,488						2,135
Dam and reservoir.....		23,273			281,011	626					136,297					
Waterworks.....					65	12,744		997							502	5,470
Dredging, river, harbor, etc.....					1,011	2,602			142,562				2,304	184		
Railroad.....					2,290				12,606				5,502			4,704
Central station, light and power plant.....			747,147			157,500	36,000									
Subcontractors.....	1,482,809	4,831,113	3,301,847	950,382	73,651	341,310	130,346	80,285	1,500		23,000	34,874	2,315,557	26,363	128,160	76,412
Carpentering and wood floor- ing.....								280								1,212
Concreting.....																5,449
Electrical.....			2,800,308		29,401	48,798						19,018				
Elevator construction.....			12,750	201,020		2,600	5,800									
Heating and plumbing.....	1,012,925	4,705,928	107,565		24,128	70,574	6,533	10,000			23,000			400	125,000	9,855
Heating and piping.....	318,558	10,200	5,365			15,474	1,133							400		
Pipe covering.....	71,378															
Plumbing.....	626,789	4,480,228	102,200		24,078	55,100	5,400	10,000			23,000				125,000	7,858
Plumbing and heating com- bined.....	1,200	10,208			50											
Automatic sprinkler systems.....		190,145														1,497
Masonry.....		2,489												20,345		11,713
Glass and glazing.....																4,000
Plastering and lathing.....															2,000	2,600
Roofing and sheet-metal work.....	75	120,810			45			42,098								4,497
Roofing.....								42,098								3,300
Sheet-metal work.....	75	120,810			45											1,197
Steel erection.....	468,341			748,555		80,853							2,244,700			15,000
Marble and tiling.....		1,838										456	66	5,618		9,550
Excavating.....					9,458	17,635	1,487									16,446
Ornamental iron.....			18,167				151									
Street paving.....					10,619			21,401				14,500				
Waterworks.....						75,137										143
Soundproofing.....																
Power plant.....			273,059			45,813	47,319									16,000
Metal work, n. e. s.....	1,458			797		69,056			1,500				70,791			9,550
Flooring, n. e. s.....								6,446							1,169	347
OAKLAND	11 598,289	11 570,194	248,823	670	287,265	20,631		162,209					14,708	10,231		36,055
Operative builders.....	5,000	8,000														
General contractors.....	8,759	8,382	26,486	670	286,681	9,084		155,317					14,708			30,855
Building.....	8,759	8,092	8,253	550	5,076								14,708			8,649
Building not specialized.....	8,759	4,292	7,908	550	5,076											8,649
Commercial building only.....													14,708			
Residential building only.....		2,400	350													
Highway.....					53,000			5,917								
Bridge and culvert.....			12,800													
Street paving.....		1,690	5,428	120	9,119	2,938		148,200								21,906
Sewer, gas, water, conduit.....					219,486	6,146		1,200								
Subcontractors.....	584,530	553,812	222,337		584	11,547		6,892						10,231		5,200
Carpentering and wood floor- ing.....								892								191
Concreting.....			100		584											
Electrical.....			222,237													
Heating and plumbing.....	576,793	553,812				11,547										
Heating and piping.....	403,131					11,547										
Plumbing.....	173,662	553,812														
Masonry.....														10,231		
Plastering and lathing.....																5,009
Roofing and sheet-metal work.....	7,737							6,000								
Roofing.....								6,000								
Sheet-metal work.....	7,737															

See footnotes at end of table.

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

[See note at head of table]

CLASSIFICATION OF ESTABLISHMENTS	Heat- ing and venti- lating equip- ment	Plumbing and gas fitting equip- ment	Electri- cal appli- ances and supplies	Eleva- tors, dumb- waiters, etc.	Pipe: Drain tile, vit- rified con- crete, etc.	Pipe: Cast iron, sheet and tube steel, etc.	Wire cable, guards and fenc- ing	Bitumi- nous pav- ing ma- terials	Wood piling and timber	Ready mixed con- crete	Ma- chinery	Freight haul- ing or truck- ing to job	Metal prod- ucts, n. e. s.	Min- eral prod- ucts (non- metall- ic), n. e. s.	Tex- tiles and calk- ing ma- terials	Mis- cel- laneous ¹³
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
SAN DIEGO	85,182	271,934	198,725	8,582	121,061	102,525	2,304	11,159,091		5,922		2,068	3,281	1,877		12,731
General contractors.....	1,600	10,000	6,669		115,194	87,329	2,304	1,159,091		5,922		2,068		752		12,354
Building.....	1,600	8,000	4,554		834					076		409		752		3,546
Building not specialized.....	1,600	8,000	4,200		834					076				752		3,320
Residential building only.....			354									409				226
Highway.....					24,174	35,147		730,261								7,033
Street paving.....			2,040		43,092	40,477	1,592	422,501		4,940						850
Sewer, gas, water, conduit.....		8,000	75		47,094	4,994	712					1,606				325
Railroad.....						711		320								
Subcontractors.....	83,552	255,334	192,050	6,582	5,867	15,196							3,281	1,125		377
Concreting.....		6,598	233		3,857	4,896										
Electrical.....			191,823	6,582												
Heating and plumbing.....	80,357	248,786														
Heating and piping.....	17,585	6,992														
Plumbing.....	62,772	242,744														
Roofing and sheet-metal work.....	3,195															
Sheet-metal work.....	3,195															
Marble and tiling.....														1,125		
Sewer, gas, water, conduit.....					2,000	10,300										
Flooring, n. e. s.....													3,281			377
SAN FRANCISCO	1,571,728	1,285,039	1,748,123	1,877,372	615,047	98,724	17,861	415,681	168,582	82,165	9,500	23,632	382,570	14,363	1,539	115,912
Operative builders.....	7,298	9,822	2,217													
General contractors.....	277,355	256,961	358,056	79,618	613,644	65,381	15,360	387,631	147,819	81,201	9,500	12,457	6,000	10,388		44,278
Building.....	27,355	43,583	31,456	4,618	2,229	1,717	2,043	642	15,952	80,622	9,500	12,457	6,000	10,388		36,485
Building not specialized.....	11,776	36,922	28,759	618	2,179	217	2,043	642	15,952	80,079		12,240		10,388		34,585
Commercial building only.....										543						365
Manufacturing building only.....	1,200		200		50	1,500					9,500	217	6,000			30
Residential building only.....	14,379	7,664	2,500	4,000												1,605
Highway.....					20,087	6,169	200	120,755								
Bridge and culvert.....	250,000	200,125	161,770	75,000	409			10,000	20,946							
Grading.....			3,000		10,000	15,000	6,000	6,735								
Street paving.....					70,614	6,169	647	247,420		639						6,063
Dam and reservoir.....		13,000														
Waterworks.....		250	36,000		405	35,000	250									200
Dredging, river, harbor, etc.....			472		500,000	1,346	6,210	2,049	104,021							1,500
Foundation.....																
Central station, light and power plant.....			125,358													
Subcontractors.....	1,287,073	2,018,256	1,387,850	2,797,654	1,403	33,343	2,511	28,050	18,763	904		11,175	386,570	3,905	1,539	71,634
Carpentering and wood floor- ing.....																100
Concreting.....								4,600								2,950
Electrical.....		12,000	1,371,901			1,500						4,678				
Elevator construction.....				2,797,654												
Heating and plumbing.....	1,287,073	2,006,256	15,817		1,403	30,643									40	15,621
Heating and piping.....	759,234	160,265	15,817		1,116	1,347									40	15,621
Pipe covering.....	122,422															
Plumbing.....	271,695	1,160,162			287	29,296										
Plumbing and heating com- bined.....	41,339	91,455														
Automatic temperature con- trol.....	92,383															
Automatic sprinkler systems.....		585,374														
Masoury.....										904		1,285		3,614		615
Plastering and lathing.....			132									5,212				1,090
Roofing and sheet-metal work.....																317
Roofing.....																317
Marble and tiling.....							233								811	60,641
Excavating.....						1,200	320									
Dredging, river, harbor, etc.....							1,949		18,763							1,539
Metal work, n. e. s.....													386,570			

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 Includes oil and natural gas pipe line, \$50,753.

³ Includes manufacturing building only, \$300,000.

⁴ Includes flooring, n. e. s., \$51,705.

⁵ Includes plumbing and heating combined, \$45,355.

⁶ Includes sheet metal work, \$35,000.

⁷ Includes sewer, gas, water, conduit, \$28,115.

⁸ Includes plumbing and heating combined, \$132,574.

⁹ Includes railroad, \$42,145.

¹⁰ Includes stone work, \$23,665.

¹¹ See footnote 3 of Table 9 on page 231.

¹² See footnote 4 of Table 9 on page 231.

¹³ Includes the reported cost of chemicals and chemical products; sealing materials; and miscellaneous, n. e. s. For total cost of these items see Table 9.

CONSTRUCTION--CALIFORNIA

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	CALIFORNIA 1930 population, 5,677,251								LONG BEACH 1930 population, 142,032			LOS ANGELES 1930 population, 1,238,048		
	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	In-active 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).....	12,039	1,219	11,820					571			2,618			
Total establishments, type of work unknown.....	4		4											
Total general and subcontractors classified.....	12,035	219	11,816	100.0				571			2,618			
Total general contractors classified.....	4,404	159	4,245	35.9	895	21.1	\$9,617,205	\$10,745	231	53	\$626,626	1,031	140	\$1,417,402
Building.....	4,107	146	3,961	33.5	856	21.6	9,107,535	10,640	218	50	585,547	940	131	1,315,508
Highway.....	94	8	86	.7	10	11.6	171,955	17,196				18	1	24,402
Bridge and culvert.....	21		21	.2	4	19.0	49,151	12,288				4	1	14,500
Street paving.....	28	1	27	.2	3	11.1	40,071	13,357	1	1	16,079	6		
Sewer, gas, water, conduit.....	114	3	111	.9	12	10.8	123,031	10,253	8	2	25,000	45	5	50,492
Dam and reservoir.....	4		4	(*)	3	75.0	46,000	15,333				1		
Dredging, river and harbor.....	20		20	.2	4	20.0	64,482	16,120	4			7		
Railroad.....	8		8	.1	1	12.5	4,000	4,000				3	1	4,000
Foundation.....	8	1	7	.1	2	28.6	10,980	5,490				1	1	8,500
Total subcontractors classified.....	7,631	60	7,571	64.1	1,822	24.1	14,888,305	8,171	340	73	574,788	1,587	374	3,228,554
Carpentering.....	733	11	722	6.1	167	23.1	1,080,635	6,507	18	3	15,048	219	43	367,857
Concreting.....	648	8	640	5.4	182	28.4	1,411,525	7,755	55	14	123,083	157	37	312,642
Electrical.....	941	7	934	7.9	186	19.9	1,782,994	9,586	21	2	20,005	92	31	279,614
Elevator.....	4		4	(*)	2	50.0	24,000	12,000				2		
Heating, ventilating, and piping.....	74		74	.6	14	18.9	149,041	10,046	3	2	20,061	17	1	1,000
Masonry.....	263	3	260	2.2	73	28.1	592,424	8,115	11	4	16,910	48	12	122,725
Painting and decorating.....	1,200	3	1,197	10.1	366	30.6	2,327,614	6,300	62	12	55,635	276	74	501,947
Glass and glazing.....	35		35	.3	10	28.6	58,942	5,894	4	1	5,000	7	1	15,722
Pipe covering.....	2		2	(*)	1	50.0	6,000	6,000				2		
Plastering.....	985	8	977	8.3	245	25.1	2,169,259	8,854	64	14	60,200	253	51	459,834
Plumbing and heating.....	1,309	10	1,299	11.0	318	24.6	2,608,151	9,399	56	11	105,575	146	37	469,399
Sheet metal and roofing.....	504	4	500	4.2	114	22.8	1,088,867	9,551	20	6	74,939	99	22	221,494
Steel erection.....	31	1	30	.3	4	13.3	37,050	9,262	1			11		
Stone work.....	8		8	.1								2		
Marble and tiling.....	259	1	258	2.2	57	22.1	688,225	9,443	9	2	30,287	102	22	229,288
Wrecking.....	34		34	.3	3	8.8	22,800	7,600				7	1	16,000
Excavating and grading.....	95		95	.8	13	13.7	141,453	10,881	5	1	2,400	29	4	44,140
Ornamental iron.....	134		134	1.1	23	17.2	205,374	8,929	5	1	15,000	57	11	100,881
Soundproofing and insulation.....	5		5	(*)								4		
Flooring (other than wood, tile, concrete, terrazo).....	2		2	(*)										
Automatic sprinkler systems.....	3		3	(*)	1	33.3	6,000	6,000				2	1	6,000
Miscellaneous subcontractors.....	362	4	358	3.0	42	11.7	241,951	5,761	6			57	6	70,511

¹ Of the total inactive, 46 are in Los Angeles, 8 in Oakland, 2 in San Diego, 15 in San Francisco, 19 in Long Beach, and 129 in the remainder of the State.
² Less than one-tenth of 1 per cent.

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—Continued

TYPES OF WORK	OAKLAND 1930 population, 284,063			SAN DIEGO 1930 population, 147,995			SAN FRANCISCO 1930 population, 634,304			REMAINDER OF STATE 1930 population, 3,230,719		
	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)	485			355			802			0,980		
Total establishments, type of work unknown										4		
Total general and subcontractors classified	485			355			802			0,985		
Total general contractors classified	105	36	\$390,804	101	17	\$175,195	213	69	\$834,030	2,504	580	\$6,173,038
Building	86	36	390,804	97	10	172,750	181	63	740,430	2,433	560	5,002,430
Highway	8			1			17	4	62,600	42	5	84,953
Bridge and culvert	2						2			13	3	34,051
Street paving				1			1			18	2	23,092
Sewer, gas, water, conduit	9			1			3	1	11,000	46	4	36,539
Dam and reservoir							1	1	20,000	2	2	26,000
Dredging, river and harbor				1	1	2,445	5			3	3	62,037
Railroad							3			2		
Foundation										6	1	2,480
Total subcontractors classified	380	84	712,171	254	53	437,084	589	152	1,346,042	4,421	1,080	8,580,566
Carpentering	26	6	28,908	16	6	29,030	80	20	153,719	363	89	492,013
Concreting	23	3	13,451	15	3	33,105	19	15	125,163	371	110	804,066
Electrical	65	11	97,705	33	4	48,577	104	10	145,511	610	128	1,100,982
Elevator							1	1	18,000	1	1	6,000
Heating, ventilating, and piping	7			3			7	1	7,000	37	10	120,930
Masonry	25	3	14,100	11	2	19,110	10	1	15,000	155	51	404,579
Painting and decorating	56	21	152,796	42	12	47,905	71	24	201,522	690	223	1,367,809
Glass and glazing	2	1	10,000	1	1	4,000	5	2	5,000	16	4	10,220
Pipe covering				1	1	6,000				1		
Plastering	65	21	258,374	28	7	49,847	25	16	141,230	542	137	1,166,675
Plumbing and heating	48	9	53,122	50	9	129,983	156	36	270,470	843	197	1,000,002
Sheet metal and roofing	44	5	44,240	29	2	27,120	41	13	127,028	267	66	594,046
Steel erection	3	1	23,415				3	1	5,000	12	2	8,135
Stone work							1			5		
Marble and tiling	7			7	2	20,347	15	3	48,000	118	28	210,303
Wrecking				4	1	800	5	1	6,000	18		
Excavating and grading	2			2	1	9,000	10	2	20,290	47	5	59,623
Ornamental iron	1			11	2	12,200	12	2	15,900	48	7	61,393
Soundproofing and insulation										1		
Flooring (other than wood, tile, concrete, terrazo)							1			1		
Automatic sprinkler systems										1		
Miscellaneous subcontractors	6	3	16,000	1			23	5	26,300	265	28	120,140

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

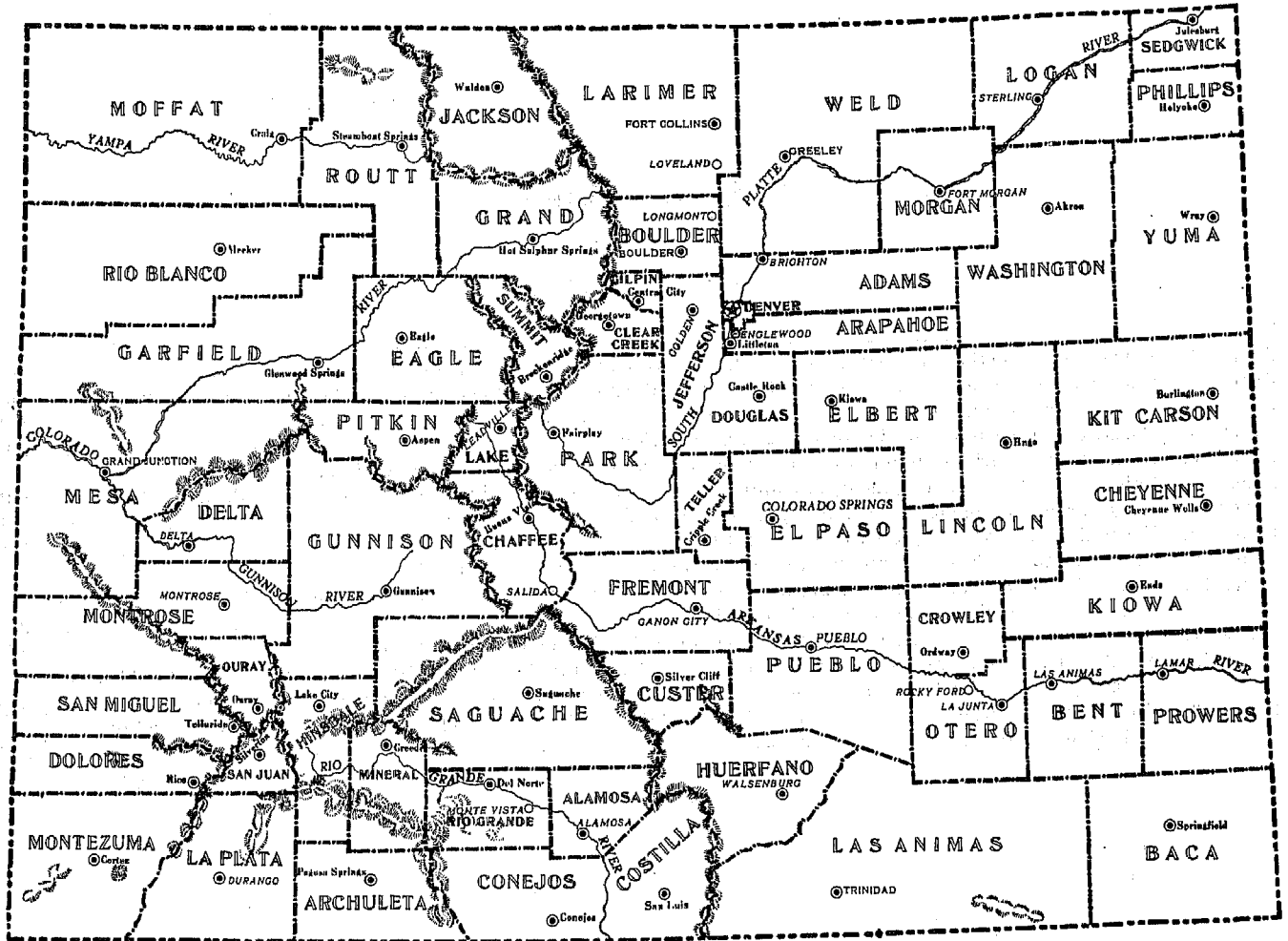
CLASSIFICATION	Total	Less than \$2,500	\$2,500 to \$4,999	\$5,000 to \$7,499	\$7,500 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$17,499	\$17,500 to \$19,999	\$20,000 to \$22,499	\$22,500 to \$24,999
CALIFORNIA											
Total general and subcontractors	2,717	442	482	413	308	315	149	227	143	135	103
General contractors	895	97	126	109	111	106	61	100	70	69	46
Subcontractors	1,822	345	356	304	197	209	88	127	73	66	57

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COLORADO



SCALE
0 10 20 MILES

CONSTRUCTION—COLORADO

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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	Total	Under general contract or directly for owner	Under sub-contract	Sub-contract work let	Wages paid	Cost of materials		
COLORADO	211	\$28, 016	\$22, 098	\$5, 913	\$4, 976	\$6, 440	\$10, 000	COLORADO—Con.															
<i>Counties and principal city</i>												<i>Size of business groups—Continued</i>											
Counties:								Subcontractors 04 \$8, 257 \$2, 432 \$5, 775 \$263 \$1, 955 \$4, 232 \$25,000 to \$49,999..... 30 1, 330 486 844 24 429 563 \$50,000 to \$99,999..... 31 2, 027 435 1, 592 3 650 904 \$100,000 to \$199,999..... 16 2, 090 347 1, 749 34 441 1, 025 \$200,000 to \$499,999..... 6 1, 594 712 882 111 322 888 \$500,000 to \$999,999..... 2 1, 210 502 708 91 112 853 \$1,000,000 and over.....															
Boulder.....	8	2, 387	2, 352	35	100	406	1, 353																
Denver.....	131	10, 024	13, 729	5, 295	3, 942	4, 459	6, 593																
El Paso.....	18	1, 713	1, 464	240	283	393	646																
Larimer.....	4	184	184		35	37	69																
Las Animas.....	4	306	305	1	34	90	76																
Mesa.....	3	347	322	25	5	120	87																
Pueblo.....	22	2, 667	2, 466	191	370	613	714																
Weld.....	8	447	331	116	72	97	177																
Other counties ¹	13	951	944	7	75	225	295																
Principal city: ²																							
Denver.....	131	10, 024	13, 729	5, 295	3, 942	4, 459	6, 593																
<i>Classifications of establishments</i>																			<i>Classification of establishments</i>				
General contractors ³	117	19, 759	19, 616	143	4, 713	4, 485	5, 777	General contractors³ 61 12, 400 12, 283 117 3, 783 2, 879 3, 060 Building..... 35 7, 726 7, 726 3, 360 1, 343 1, 977 Building not specialized ⁴ 30 7, 120 7, 120 3, 059 1, 268 1, 868 Residential building only..... 5 596 596 301 75 109 Highway..... 8 1, 755 1, 755 106 69 9 410 Bridge, culvert, and railroad..... 4 1, 426 1, 374 52 59 495 330 Grading..... 4 391 391 126 17 Street paving..... 4 370 370 55 70 155 Sewer, gas, water, conduit..... 3 383 322 61 107 65 126 Other classes ⁵ 3 343 339 4 97 111 36 Subcontractors 70 6, 624 1, 445 5, 179 159 1, 580 3, 533 Electrical..... 9 708 62 646 323 Heating and plumbing..... 22 2, 069 987 1, 081 62 473 1, 211 Heating and piping ⁶ 11 1, 484 844 68 326 886 Plumbing..... 11 584 143 441 4 147 325 Masonry and concreting..... 5 500 65 435 47 122 250 Painting, decorating, and glazing..... 8 601 10 591 2 239 194 Plastering and lathing..... 3 158 158 85 54 Roofing and sheet-metal work..... 8 485 180 305 99 250 Steel erection..... 5 1, 249 1, 249 48 75 913 Marble and tiling..... 6 571 77 494 175 234 Other classes ⁷ 4 283 64 218 83 98 Size of business groups General contractors ³ 61 12, 400 12, 283 117 3, 783 2, 879 3, 060 \$25,000 to \$49,999..... 8 287 283 51 76 72 \$50,000 to \$99,999..... 15 1, 071 1, 071 268 246 340 \$100,000 to \$199,999..... 17 2, 461 2, 348 113 679 503 764 \$200,000 to \$499,999..... 16 4, 639 4, 639 1, 524 960 1, 060 \$500,000 to \$999,999..... 4 2, 581 2, 581 686 337 525 \$1,000,000 and over..... 1 1, 359 1, 359 575 257 300 Building contractors³ 35 7, 726 7, 726 3, 360 1, 343 1, 977 \$25,000 to \$49,999..... 4 154 154 51 31 51 \$50,000 to \$99,999..... 11 787 787 250 160 271 \$100,000 to \$199,999..... 7 956 956 327 173 305 \$200,000 to \$499,999..... 10 3, 135 3, 135 1, 471 537 755 \$500,000 to \$999,999..... 2 1, 333 1, 333 686 185 295 \$1,000,000 and over..... 1 1, 359 1, 359 575 257 300 Subcontractors 70 6, 624 1, 445 5, 179 159 1, 580 3, 533 \$25,000 to \$49,999..... 23 812 225 587 24 276 331 \$50,000 to \$99,999..... 27 1, 721 216 1, 505 3 679 761 \$100,000 to \$199,999..... 14 1, 816 274 1, 542 1 386 945 \$200,000 to \$499,999..... 4 1, 003 228 835 40 227 644 \$500,000 to \$999,999..... 2 1, 210 502 708 91 112 853 \$1,000,000 and over.....															

¹ Includes Dolores, Garfield, Jefferson, La Plata, Logan, Montrose, Morgan, Otero, and Prowers, 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 operative builders.
⁴ Includes railroad; central station, light and power plant; and oil and natural-gas pipe line.
⁵ Includes automatic temperature control.
⁶ Includes elevator construction.
⁷ Includes glass and glazing; excavating; and street paving.
⁸ Includes dam and reservoir; and oil and natural-gas pipe line.
⁹ Includes elevator construction; excavating; street paving; and metal work, n. e. s.

CONSTRUCTION—COLORADO

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
COLORADO													
All construction business.....	211	\$28,016,199	117	\$10,758,785	94	\$8,257,414	COLORADO—Continued All business under subcontract—Continued. Marble and tiling..... 7 180,846 7 \$502,846 Wrecking..... 1 189,194 1 218,882 Excavating..... 6 150,163 1 150,163 Bridge and culvert..... 1 150,163 1 150,163 Street paving..... 1 150,163 1 150,163 Sewer, gas, water, conduit..... 1 150,163 1 150,163 Other classes ³ 4 11,206 1 (?) 3 (?)						
Distribution not reported.....	18	1,766,212	9	1,020,617	9	745,695							
Distributed by class of ownership.....	103	20,249,987	108	18,738,208	85	7,511,719	DENVER All construction business..... 131 19,023,873 61 12,400,137 70 6,023,736 Distribution not reported..... 12 1,104,975 0 590,170 0 514,805 Distributed by class of ownership..... 110 17,918,808 55 11,809,907 64 6,108,031 Private..... 101 11,783,083 41 7,219,925 60 4,564,058 Quasi public or community..... 35 1,807,334 14 972,865 21 304,400 Public..... 62 4,707,681 31 3,617,177 31 1,150,404 Distribution not reported..... 7 364,401 1 44,000 6 320,401 Distributed by class of public ownership..... 56 4,403,180 30 3,573,177 25 830,003 Federal..... 5 137,620 2 2,183,368 3 111,033 State..... 20 2,156,881 15 2,959,989 8 110,270 County or township..... 13 406,259 5 1,093,820 12 608,700 Municipal..... 26 1,702,520 14 1,093,820 12 608,700 All business under general contract or directly for owners..... 81 13,728,547 61 12,283,312 20 1,445,235 Building..... 59 0,430,429 40 8,078,157 19 1,361,272 Distribution not reported..... 5 480,015 2 374,999 3 105,016 Distributed by class..... 54 8,959,414 38 7,703,158 16 1,256,256 Commercial..... 32 3,629,004 22 3,255,340 10 373,664 Educational..... 22 879,101 14 704,759 8 114,332 Hotel..... 7 138,299 1 535,054 6 154,673 Hospital and institutional..... 13 552,028 0 197,814 3 4,666 Manufacturing..... 8 202,480 5 243,070 4 17,885 Public: Courts, jails, etc..... 8 261,564 5 255,352 5 31,010 Religious and memorial..... 10 280,362 5 1,881,800 15 496,171 Residential..... 38 2,377,971 23 228,515 7 10,790 Social and recreational..... 14 245,311 2 63,996 1 46,959 Air transport..... 3 63,996 2 340,245 1 46,959 Rail and water transportation..... 1 63,996 7 323,208 3 3 Miscellaneous..... 19 552,938 10 4,340,780 4 140,765 Highway and street..... 37 4,490,545 33 4,186,628 4 140,765 Water power development..... 4 186,628 4 808,853 5 27,770 Railroad and car line..... 5 808,853 23 3,598,458 1 25 Public works and utilities..... 28 3,624,294 23 149,189 1 25 Distribution not reported..... 2 149,214 1 27,751 4 27,751 Distributed by class..... 20 3,475,020 22 3,447,269 4 27,751 Bridge, tunnel, etc..... 7 736,924 0 (?) 1 (?) Central station, light and power plant..... 2 1,919,423 2 1,919,423 1 1,801 Sewage disposal and drainage..... 8 331,629 7 329,728 1 1,801 Refuse disposal plant..... 1 331,629 1 1,801 1 1,801 Park grounds, etc..... 1 331,629 1 1,801 1 1,801 Flood control, irrigation, and land drainage..... 7 65,148 5 461,371 2 25,773 Water supply..... 8 421,906 6 (?) 2 (?) Oil and natural-gas pipe line..... 1 248,154 2 (?) 1 (?) Air transport work..... 2 248,154 2 (?) 1 (?) Miscellaneous, n. e. s..... 6 248,154 5 (?) 1 (?)						
All business under general contract or directly for owners.....	153	22,097,803	117	10,615,751	36	2,482,052							
Distribution not reported.....	1	21,557	1	21,557	1	21,557							
Distributed by class.....	152	22,076,246	117	10,615,751	35	2,460,495							
Building.....	107	12,657,832	74	10,394,970	33	2,262,856							
Distribution not reported.....	13	794,742	5	509,528	8	285,214							
Distributed by class.....	94	11,863,080	69	9,885,448	25	1,977,842							
Commercial.....	56	4,373,285	41	3,951,032	14	421,356							
Educational.....	36	1,359,220	24	1,145,198	12	214,031							
Hotel.....	13	290,480	4	218,681	9	71,799							
Hospital and institutional.....	20	854,001	15	677,642	11	176,959							
Manufacturing.....	13	220,249	9	251,084	4	7,666							
Public: Courts, jails, etc.....	14	297,866	8	251,084	6	46,822							
Religious and memorial.....	19	332,879	11	345,282	8	37,617							
Residential.....	68	3,216,812	47	2,508,510	21	713,302							
Social and recreational.....	18	248,732	9	229,236	9	19,406							
Air transport.....	4	65,996	3	360,340	1	208,594							
Rail and water transportation.....	1	65,996	3	360,340	1	208,594							
Miscellaneous.....	19	552,938	10	4,340,780	4	140,765							
Highway and street.....	37	4,490,545	33	4,186,628	4	140,765							
Water power development.....	4	186,628	4	808,853	5	27,770							
Railroad and car line.....	5	808,853	23	3,598,458	1	25							
Public works and utilities.....	28	3,624,294	23	149,189	1	25							
Distribution not reported.....	2	149,214	1	27,751	4	27,751							
Distributed by class.....	20	3,475,020	22	3,447,269	4	27,751							
Bridge, tunnel, etc.....	7	736,924	0	(?)	1	(?)							
Central station, light and power plant.....	2	1,919,423	2	1,919,423	1	1,801							
Sewage disposal and drainage.....	8	331,629	7	329,728	1	1,801							
Refuse disposal plant.....	1	331,629	1	1,801	1	1,801							
Park grounds, etc.....	1	331,629	1	1,801	1	1,801							
Flood control, irrigation, and land drainage.....	7	65,148	5	461,371	2	25,773							
Water supply.....	8	421,906	6	(?)	2	(?)							
Oil and natural-gas pipe line.....	1	248,154	2	(?)	1	(?)							
Air transport work.....	2	248,154	2	(?)	1	(?)							
Miscellaneous, n. e. s.....	6	248,154	5	(?)	1	(?)							
All business under subcontract.....	86	5,918,396	5	143,034	81	5,775,362							
Distribution not reported.....	1	25,000	1	25,000	1	25,000							
Distributed by class.....	85	5,893,396	5	143,034	80	5,750,362							
Concreting.....	7	355,429	1	(?)	6	(?)							
Electrical.....	0	646,663	1	646,663	9	646,663							
Elevator construction.....	1	121,199	1	121,199	1	121,199							
Ornamental iron.....	1	121,199	2	1,430,152	20	1,430,152							
Metal work, n. e. s.....	2	1,430,152	20	1,430,152	20	1,430,152							
Heating and plumbing.....	20	690,955	1	690,955	1	690,955							
Automatic temperature control.....	1	690,955	1	690,955	1	690,955							
Pipe covering.....	4	179,655	1	179,655	1	179,655							
Plumbing and heating combined.....	1	179,655	1	179,655	1	179,655							
Plumbing.....	20	559,542	1	(?)	4	(?)							
Masonry.....	5	75,522	1	(?)	8	(?)							
Painting and decorating.....	8	620,234	1	620,234	1	620,234							
Glass and glazing.....	1	620,234	1	620,234	1	620,234							
Plastering and lathing.....	3	157,517	3	300,552	9	311,308							
Roofing and sheet-metal work.....	9	311,308	9	311,308	6	79,244							
Roofing.....	5	79,244	6	1,242,650	6	1,242,650							
Sheet-metal work.....	5	79,244	6	1,242,650	6	1,242,650							
Steel erection.....	6	1,242,650	6	1,242,650	6	1,242,650							

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 work—General contractors: Rental of equipment, 1; Subcontractors: Stonework, 2; miscellaneous, 1.
⁴ Includes establishments reporting the following types of work—General contractors: Rental of equipment, trucking, etc., 1; Subcontractors: Stonework, 1; miscellaneous, 1.

CONSTRUCTION—COLORADO

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
COLORADO						COLORADO—Continued					
General contractors ¹	113	18,972,514	9,540,345	15,010,588	3,961,926	Subcontractors—Continued.					
Building.....	67	9,044,707	8,295,830	9,000,203	944,414	Metal work, n. e. s. ⁴	3	\$105,501	\$63,089	\$95,725	\$9,776
Building not specialized ¹	57	8,875,219	7,235,746	7,930,805	944,414	Other classes ²	4	463,802	322,511	448,304	15,408
Commercial building only.....	3	392,027	392,027	392,027	-----	DENVER					
Residential building only.....	7	677,461	668,057	677,461	-----	128	18,491,261	12,667,334	16,607,399	1,883,852	
Highway.....	17	3,232,712	434,973	3,061,467	171,245	General contractors ¹	59	11,959,362	7,119,802	10,583,330	1,376,032
Bridge and culvert.....	4	726,143	167,661	302,157	423,986	Building.....	35	7,725,547	6,470,169	6,953,035	772,512
Grading.....	8	1,040,531	23,254	785,439	255,092	Building not specialized ¹	30	7,129,208	5,882,830	6,356,096	772,512
Street paving.....	5	428,097	413,597	422,097	6,000	Residential building only.....	5	596,339	590,339	590,339	-----
Sewer, gas, water, conduit.....	5	560,065	125,030	409,715	150,350	Highway.....	8	1,755,432	188,611	1,651,782	103,650
Dam, reservoir, and water works.....	4	250,238	80,000	187,054	72,184	Bridge, culvert, and railroad.....	3	1,172,167	167,661	906,620	265,537
Other classes ²	3	2,781,021	-----	842,360	1,938,665	Grading.....	4	301,434	-----	252,424	130,010
Subcontractors.....	92	7,992,158	6,567,926	7,413,770	578,388	Street paving.....	3	188,862	174,362	182,862	6,000
Concreting.....	4	436,462	436,462	436,462	-----	Sewer, gas, water, conduit.....	3	382,876	109,999	384,553	48,323
Electrical.....	10	680,746	662,201	680,746	-----	Other classes ³	3	343,054	-----	302,054	41,000
Heating and plumbing.....	35	3,099,960	2,592,952	2,872,738	227,221	Subcontractors.....	60	6,531,889	5,447,532	6,024,089	507,820
Heating and piping ³	13	1,573,341	1,258,055	1,428,010	145,331	Electrical.....	8	616,602	591,957	616,602	-----
Plumbing.....	18	1,116,282	924,551	1,034,382	81,900	Heating and plumbing.....	22	2,068,514	1,743,512	1,906,283	162,231
Plumbing and heating combined.....	4	410,340	410,340	410,340	-----	Heating and piping ³	11	1,484,247	1,178,491	1,338,916	145,331
Masonry.....	4	149,459	117,051	145,159	4,300	Plumbing.....	11	684,267	565,051	657,367	16,900
Painting and decorating.....	8	476,158	462,708	468,158	8,000	Masonry and concreting.....	5	490,787	496,050	495,487	4,300
Plastering and lathing.....	3	157,617	153,045	156,427	1,090	Painting, decorating, and glazing.....	8	601,097	552,284	577,089	23,408
Roofing and sheet-metal work.....	9	565,224	432,049	527,870	37,354	Plastering and lathing.....	3	157,617	153,045	150,427	1,090
Steel erection.....	6	1,279,914	949,010	1,127,600	152,248	Roofing and sheet-metal work.....	8	485,224	352,049	447,870	37,354
Marble and tiling.....	6	571,406	370,349	448,425	122,981	Steel erection.....	5	1,248,514	918,010	1,090,066	152,248
						Marble and tiling.....	6	571,406	370,349	448,425	122,981
						Other classes ²	4	282,928	264,707	278,720	4,208

- ¹ Includes operative builders.
- ² Includes central station, light, and power plant; railroad; and oil and natural-gas pipe line.
- ³ Includes automatic temperature control.
- ⁴ Includes elevator construction.
- ⁵ Includes glass and glazing; excavating; and street paving.
- ⁶ Includes dam and reservoir; and oil and natural-gas pipe line.
- ⁷ Includes elevator construction; excavating; street paving; 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
COLORADO				DENVER			
Total distributed by State ¹	\$4,540,314	\$3,961,926	\$578,388	Total distributed by State ¹	\$1,883,852	\$1,370,032	\$507,820
Arizona.....	432,751	432,657	94	Arizona.....	123,000	123,000	-----
Idaho.....	87,045	17,165	69,880	Idaho.....	60,880	-----	69,880
Kansas.....	23,212	19,360	3,852	Kansas.....	13,582	9,730	3,852
Louisiana.....	1,377,792	1,377,792	-----	Montana.....	387,986	345,875	42,111
Montana.....	388,798	345,875	42,923	Nebraska.....	26,142	-----	26,142
Nebraska.....	31,654	-----	31,654	New Mexico.....	236,288	180,841	58,447
New Mexico.....	639,785	571,338	68,447	Oklahoma.....	18,300	-----	18,300
Ohio.....	158,669	158,669	-----	South Dakota.....	38,000	38,000	-----
Oklahoma.....	18,300	-----	18,300	Texas.....	131,259	-----	131,259
South Dakota.....	38,000	38,000	-----	Utah.....	151,657	148,194	3,463
Texas.....	131,259	-----	131,259	Wyoming.....	591,882	474,870	117,012
Utah.....	173,555	169,826	3,729	Other States, n. s.....	92,876	55,522	37,354
Wyoming.....	946,618	775,722	170,896				
Other States, n. s.....	92,876	55,522	37,354				

- Number of establishments reporting:
- ¹ All classes, 38; general contractors, 22; subcontractors, 16.
- ² All classes, 27; general contractors, 13; subcontractors, 14.

CONSTRUCTION—COLORADO

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	
COLORADO	198	138	61	\$190,280	444	\$1,072,966	255	\$322,858	189	\$450,108	396	330	66	48
General contractors ¹	112	98	24	40,479	277	680,336	127	346,506	150	342,830	260	236	24	17
Building	64	60	13	27,671	81	220,034	40	116,175	41	103,859	76	68	10	5
Building not specialized ¹	55	53	12	25,871	70	205,812	34	108,365	36	97,547	65	57	8	5
Residential building only	3	2	1	1,800	4	4,458	1	1,350	3	3,108	4	3	1	—
Commercial building only	6	5	1	1,800	7	9,664	5	6,460	2	3,204	7	6	1	—
Highway	18	12	4	9,900	70	174,655	26	84,280	44	90,875	63	61	2	7
Bridge and culvert	5	3	1	2,100	20	41,134	10	25,000	10	18,134	20	16	4	—
Grading	9	8	2	4,800	28	70,350	7	17,000	21	53,350	28	25	3	—
Street paving	7	4	—	—	23	55,049	11	28,633	12	26,416	23	21	2	—
Sewer, gas, water, conduit	4	4	—	—	10	20,763	6	10,740	4	10,013	5	5	—	5
Dam, reservoir, and waterworks	4	7	—	—	1	4,000	—	—	1	4,000	1	1	—	—
Other classes ²	3	—	4	5,008	44	103,361	27	64,678	17	38,683	44	41	3	—
Subcontractors	86	40	37	140,801	167	383,630	128	276,352	39	107,278	136	94	42	31
Concreting	3	3	2	5,800	5	11,444	2	5,444	3	6,000	3	3	—	2
Electrical	10	3	4	12,059	23	37,819	18	24,283	5	13,538	19	14	5	4
Heating and plumbing	34	12	16	42,493	73	179,452	60	139,023	13	40,420	58	38	20	15
Heating and piping ³	13	6	3	8,731	35	91,237	28	70,644	7	20,593	20	18	8	9
Plumbing	18	6	11	27,690	28	61,433	22	41,597	6	19,836	24	15	9	4
Plumbing and heating combined	3	—	2	6,072	10	20,782	10	20,782	—	—	8	5	3	2
Masonry	4	6	—	—	3	8,800	—	—	3	8,800	3	3	—	—
Painting and decorating	7	2	3	33,073	13	32,079	9	23,454	4	8,625	13	9	4	—
Plastering and lathing	3	3	1	5,300	—	—	—	—	—	—	—	—	—	—
Roofing and sheet-metal work	9	6	—	—	20	44,690	14	30,836	6	18,854	20	12	8	—
Steel erection	5	2	—	—	8	17,399	4	6,165	4	11,234	6	6	—	2
Marble and tiling	6	3	—	22,570	14	26,069	14	26,069	—	—	10	6	4	4
Other classes ⁴	5	—	5	19,506	8	25,378	7	21,078	1	4,800	4	3	1	4
DENVER	123	75	45	149,780	303	731,834	179	445,413	124	286,421	265	219	46	38
General contractors ¹	58	42	19	40,940	179	451,435	86	247,542	93	203,893	163	148	15	16
Building	32	27	8	19,141	72	202,880	37	113,005	35	89,255	67	58	9	5
Building not specialized ¹	28	24	7	17,341	67	195,080	33	107,305	34	87,755	62	54	8	5
Residential building only	4	3	1	1,800	5	7,800	4	6,300	1	1,500	5	4	1	—
Highway	4	4	4	9,900	30	106,675	16	60,000	23	46,675	32	32	—	7
Bridge, culvert, and railroad	4	2	1	2,100	25	58,229	16	39,785	9	18,444	25	21	4	—
Grading	4	3	2	4,800	7	17,450	—	—	7	17,450	7	7	—	—
Street paving	4	3	—	—	12	29,216	6	17,200	6	12,016	12	11	1	—
Sewer, gas, water, conduit	3	1	—	—	9	19,553	5	9,540	4	10,013	5	5	—	4
Other classes ²	3	2	4	5,008	15	17,452	6	7,412	9	10,040	15	14	1	—
Subcontractors	65	33	26	108,831	124	280,399	93	197,871	31	82,528	102	71	31	22
Electrical	9	2	4	12,059	22	37,435	17	23,899	5	13,538	18	14	4	4
Heating and plumbing	22	11	8	22,130	43	103,477	34	77,808	9	25,679	34	21	13	9
Heating and piping ³	11	5	1	2,500	34	90,690	27	69,997	7	20,693	25	17	8	9
Plumbing	11	6	7	19,630	9	12,887	7	7,901	2	4,986	9	4	5	—
Masonry and concreting	4	4	2	5,800	4	8,800	—	—	4	8,800	4	4	—	—
Painting and decorating	6	2	1	24,866	13	32,079	9	23,454	4	8,625	13	9	4	—
Plastering and lathing	3	3	1	5,300	—	—	—	—	—	—	—	—	—	—
Roofing and sheet-metal work	8	6	—	—	17	40,890	12	28,836	5	12,054	17	11	6	—
Steel erection	4	2	—	—	7	15,299	4	6,165	3	9,134	5	5	—	2
Marble and tiling	6	3	—	22,570	14	26,069	14	26,069	—	—	10	6	4	4
Other classes ⁴	3	—	4	16,108	4	16,350	3	11,550	1	4,800	1	1	—	3

¹ Includes operative builders.² Includes railroad, central station, light and power plant; and oil and natural-gas pipe line.³ Includes automatic temperature control.⁴ Includes excavating; street paving; and metal work, n. e. s.⁵ Includes dam and reservoir; and oil and natural-gas pipe line.

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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		
COLORADO	186	\$673,431	\$3,026,773	\$26,149,289	\$5,868,240	DENVER	114	\$329,692	\$1,714,726	\$16,632,839	\$3,694,543
<i>Classification of establishments</i>						<i>Classification of establishments</i>					
General contractors.....	107	614,487	2,730,726	18,234,400	4,261,722	General contractors.....	54	285,611	1,497,593	11,030,271	2,700,571
Building.....	50	37,822	235,484	8,525,412	1,609,250	Building.....	29	13,006	137,808	6,380,681	1,175,345
Building not specialized.....	49	35,372	216,106	7,455,924	1,490,826	Building not specialized.....	25	12,656	131,308	5,814,342	1,108,345
Commercial building only.....	3	1,500	6,500	362,027	79,791	Residential building only.....	4	350	6,500	569,339	69,000
Residential building only.....	7	950	12,878	677,461	98,642	Highway.....	8	124,401	499,570	1,755,432	668,620
Highway.....	17	227,560	1,034,422	3,232,712	1,032,770	Bridge, culvert, and railroad.....	4	76,190	453,190	1,425,082	465,030
Bridge and culvert.....	5	19,600	131,196	979,968	230,583	Grading.....	4	20,248	145,000	301,434	125,718
Grading.....	9	129,865	543,561	1,280,531	327,941	Street paving.....	3	12,748	162,121	350,812	600,033
Street paving.....	6	35,813	255,981	695,543	163,306	Sewer, gas, water, conduit.....	3	3,618	62,862	382,376	66,044
Sewer, gas, water, conduit.....	5	6,837	93,082	500,065	92,622	Other classes ¹	3	35,500	37,000	343,054	110,881
Dam and reservoir.....	3	26,400	39,000	179,238	28,985	Subcontractors.....	60	44,081	217,133	5,502,568	1,293,972
Other classes ¹	3	130,500	398,000	2,781,021	716,187	Electrical.....	7	1,659	10,040	570,350	167,960
Subcontractors.....	79	58,944	296,047	6,914,770	1,606,518	Heating and plumbing.....	20	9,788	38,779	1,497,005	346,460
Concreting.....	4	21,877	28,504	436,462	108,142	Heating and piping ²	10	7,382	23,036	982,058	220,768
Electrical.....	7	1,659	10,040	576,350	167,960	Plumbing.....	10	2,406	15,144	515,547	125,692
Heating and plumbing.....	31	16,725	67,737	2,551,245	572,225	Painting and decorating.....	6	1,558	7,518	404,560	204,590
Heating and piping ²	12	9,712	27,790	1,071,152	246,306	Masonry and concreting.....	4	20,556	27,280	446,387	100,351
Plumbing.....	16	5,944	30,053	1,016,223	239,907	Roofing and sheet-metal work.....	8	1,350	14,920	485,224	99,213
Plumbing and heating combined.....	3	1,069	9,894	463,871	80,012	Steel erection.....	5	3,726	95,449	1,248,014	74,517
Masonry.....	3	2,305	9,000	96,059	25,017	Marble and tiling.....	5	1,700	11,886	511,406	159,547
Painting and decorating.....	7	1,631	7,818	433,793	218,492	Other classes ³	5	3,746	11,243	332,116	135,225
Plastering and lathing.....	3	1,159	4,937	167,517	84,717	<i>Percentage of equipment owned</i>					
Roofing and sheet-metal work.....	9	1,550	15,420	565,224	109,213	General contractors.....	54	285,611	1,497,593	11,030,271	2,700,571
Steel erection.....	6	3,726	110,449	1,279,914	78,327	20 to 50 per cent.....	2	14,313	12,382	352,420	125,428
Marble and tiling.....	5	1,700	11,886	511,406	159,547	51 to 75 per cent.....	4	14,400	49,115	346,074	88,870
Other classes ³	4	6,612	30,244	306,898	81,969	76 to 99 per cent.....	0	75,522	208,445	1,860,697	631,617
<i>Percentage of equipment owned</i>						100 per cent.....	42	181,310	1,227,051	8,470,510	1,904,056
General contractors.....	107	614,487	2,730,726	18,234,400	4,261,722	Subcontractors.....	60	44,081	217,133	5,502,568	1,293,972
None.....	2			58,935	10,117	None.....	1			35,100	10,765
1 to 25 per cent.....	3	650	2,900	104,040	24,484	76 to 99 per cent.....	2	10,327	20,805	324,016	90,408
26 to 50 per cent.....	2	14,313	12,382	352,420	125,428	100 per cent.....	50	24,754	196,328	5,055,423	1,154,401
51 to 75 per cent.....	4	14,400	49,115	346,074	88,870	Not reported.....	1			88,029	32,318
76 to 99 per cent.....	11	105,622	485,561	2,738,146	853,054	Subcontractors.....	70	58,944	296,047	6,914,770	1,606,518
100 per cent.....	85	479,442	2,180,768	14,634,276	3,159,169	None.....	1			35,100	10,755
Not reported.....						1 to 25 per cent.....					
Subcontractors.....	79	58,944	296,047	6,914,770	1,606,518	26 to 50 per cent.....					
None.....	1			35,100	10,755	51 to 75 per cent.....					
1 to 25 per cent.....						76 to 99 per cent.....	3	19,527	21,805	404,016	106,498
26 to 50 per cent.....						100 per cent.....	74	39,417	274,742	6,387,634	1,456,947
51 to 75 per cent.....						Not reported.....	1			88,029	32,318
76 to 99 per cent.....											

¹ Includes central station, light and power plant; railroad; and oil and natural-gas pipe line.
² Includes automatic temperature control.
³ Includes excavating; street paving; and metal work, n. e. s.
⁴ Includes dam and reservoir; and oil and natural-gas pipe line.
⁵ Includes plastering and lathing; street paving; and metal work, n. e. s.
⁶ See complete classification in the tabulation for the 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	
COLORADO	183	2,061	2,075	2,421	3,105	3,664	4,354	5,118	5,639	5,319	5,039	3,880	2,933	\$5,749,971
<i>Classification of establishments</i>														
General contractors ¹	101	1,359	1,386	1,657	2,226	2,601	3,280	4,058	4,540	4,325	4,007	3,035	2,202	4,081,551
Building.....	57	773	806	812	990	1,083	1,160	1,265	1,178	1,077	918	1,030	1,052	1,007,060
Building not specialized ¹	52	757	791	803	977	1,063	1,124	1,243	1,159	1,054	893	940	976	1,564,658
Residential building only.....	5	16	14	9	19	20	26	22	19	23	25	90	70	42,402
Highway.....	14	107	270	424	636	805	941	977	904	1,082	890	393	228	972,724
Bridge and culvert.....	5	143	100	104	164	206	278	383	292	229	265	172	150	230,583
Grading.....	8	114	50	122	159	186	239	282	291	293	256	152	75	274,941
Street paving.....	6	13	12	23	36	120	136	200	288	362	240	177	37	166,559
Sewer, gas, water, conduit.....	4	12	13	27	45	44	47	46	63	87	109	109	48	61,215
Dam, reservoir, and waterworks.....	4	15	16	18	18	26	110	122	80	98	76	71	6	52,282
Other classes ²	3	87	121	127	122	131	332	684	1,384	1,007	1,313	931	600	716,187
Subcontractors.....	82	602	689	704	870	1,003	1,065	1,060	999	994	1,032	795	731	1,668,420
Concreting.....	4	2	10	49	77	206	207	170	96	30	110	28	37	108,142
Electrical.....	11	128	125	105	112	110	116	125	122	118	113	105	95	253,406
Heating and plumbing.....	31	273	285	281	331	318	337	358	364	365	389	354	320	650,338
Heating and piping ³	11	113	118	128	130	127	142	163	159	161	171	130	118	321,833
Plumbing.....	15	109	113	102	124	121	124	120	125	126	137	120	120	213,574
Plumbing and heating combined.....	5	51	54	51	77	70	71	75	80	78	81	95	82	114,931
Masonry.....	4	15	24	18	14	45	45	30	23	26	36	32	28	41,251

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	
COLORADO—Continued.														
<i>Classification of establishments—Contd.</i>														
Subcontractors—Continued.														
Painting and decorating.....	6	81	71	114	92	86	88	78	79	78	67	63	51	\$182,607
Roofing and sheet-metal work.....	8	53	45	60	66	74	80	63	78	77	63	51	63	100,050
Steel erection.....	6	20	21	39	49	30	47	52	64	92	76	30	35	78,327
Marble and tiling.....	4	45	53	52	58	53	47	56	63	51	56	32	41	80,838
Metal work, n. e. s. ¹	3	19	17	18	18	18	19	19	20	17	18	21	22	32,166
Other classes ²	5	56	38	38	62	123	79	111	90	90	104	79	39	141,226
<i>Length of working week</i>														
General contractors¹.....														
40-hour, 5-day week.....	101	1,350	1,386	1,657	2,226	2,601	3,289	4,058	4,540	4,325	4,007	3,035	2,202	4,081,551
45-hour, 5-day week.....	20	393	448	418	423	450	474	448	397	330	340	346	402	626,225
50-hour, 5-day week.....														
All other 5-day week.....														
44-hour, 5½-day week.....	32	414	360	410	588	633	695	816	767	736	564	699	647	1,007,472
40½-hour, 5½-day week.....														
56-hour, 5½-day week.....														
All other 5½-day week.....														
48-hour, 6-day week.....	28	189	206	250	448	670	709	931	932	986	878	662	305	813,828
54-hour, 6-day week.....	11	195	185	259	370	430	524	498	472	459	417	209	90	420,047
60-hour, 6-day week.....	5	84	114	233	251	274	306	403	790	717	667	279	138	663,281
All other 6-day week.....	1				9	9	32	68	78	77	16	15	19	17,996
All other not designated.....	3	42	8	14	71	115	199	457	476	358	568	393	269	190,202
Not reported.....	1	42	65	64	66	111	290	437	628	662	557	432	326	325,000
Subcontractors.....														
40-hour, 5-day week.....	82	692	689	764	879	1,063	1,065	1,060	999	994	1,032	795	731	1,668,420
45-hour, 5-day week.....	15	173	150	196	196	188	204	183	189	199	164	131	119	368,326
50-hour, 5-day week.....														
All other 5-day week.....														
44-hour, 5½-day week.....	50	434	439	441	532	629	659	624	614	634	678	497	470	1,055,406
40½-hour, 5½-day week.....														
56-hour, 5½-day week.....	1	6	7	4	5	9	14	8	15	13	9	7	8	9,024
All other 5½-day week.....	12	59	71	86	93	181	143	206	144	107	145	127	105	185,296
48-hour, 6-day week.....	2	12	14	23	39	40	29	23	19	25	22	23	21	23,368
54-hour, 6-day week.....														
60-hour, 6-day week.....	2	8	8	14	14	16	16	16	18	16	14	10	8	22,000
All other 6-day week.....														
All other not designated.....														
Not reported.....														
DENVER.....														
General contractors¹.....														
Building.....	52	870	914	1,007	1,343	1,593	2,050	2,664	2,806	2,818	2,681	1,884	1,475	2,552,712
Building not specialized ²	30	622	686	600	700	734	810	882	839	699	621	615	677	1,157,823
Residential building only.....	27	618	682	595	695	729	805	877	834	694	616	550	613	1,158,823
Highway.....	3	4	4	5	5	5	5	5	5	5	5	5	6	19,000
Bridge, culvert, and railroad.....	6	78	138	283	385	468	510	553	545	729	554	180	110	612,385
Grading.....	4	123	103	100	167	252	505	759	875	847	740	592	465	495,030
Street paving.....	3	7			3	27	78	98	110	100	100	15		72,718
Other classes ³	4	9	5	11	56	65	45	107	70	157	152	151	15	70,238
Subcontractors.....	5	31	32	33	42	57	102	265	367	277	505	331	160	144,518
Subcontractors.....														
Electrical.....	60	532	522	575	656	821	817	802	731	724	783	547	499	1,312,485
Heating and plumbing.....	9	113	115	94	101	100	105	114	111	106	101	93	82	231,079
Heating and piping ⁴	18	151	157	162	183	169	182	185	184	186	216	179	150	389,009
Plumbing.....	9	104	106	117	118	113	124	143	141	138	147	121	103	296,295
Masonry and concreting.....	9	47	51	45	65	56	58	42	43	48	69	58	56	93,374
Painting and decorating.....	5	15	32	57	66	205	214	163	85	67	118	32	37	121,685
Roofing and sheet-metal work.....	6	81	71	114	92	86	88	76	79	78	67	63	51	182,607
Steel erection.....	7	49	41	42	68	68	72	55	70	69	55	45	50	90,059
Marble and tiling.....	5	20	21	22	49	30	43	52	67	87	76	30	35	74,517
Other classes ⁵	4	45	53	52	58	53	47	56	63	51	56	32	41	80,838
Length of working week ⁶	6	53	32	32	49	112	60	101	82	80	94	73	35	142,031
General contractors¹.....														
40-hour, 5-day week.....	52	870	914	1,007	1,343	1,593	2,050	2,664	2,806	2,818	2,681	1,884	1,475	2,552,712
44-hour, 5½-day week.....	20	393	448	418	423	450	474	448	397	330	340	346	402	626,225
48-hour, 6-day week.....	8	228	187	180	275	273	320	418	426	353	265	253	265	510,150
54-hour, 6-day week.....	12	105	124	132	266	277	369	432	421	487	476	366	102	411,439
60-hour, 6-day week.....	5	26	26	30	60	103	133	145	147	161	151	64	35	138,140
All other 6-day week.....	3	34	56	169	182	255	265	327	311	407	324	30	16	342,556
All other not designated.....	3	42	8	14	71	115	199	457	476	358	568	393	269	199,202
Not reported.....	1	42	65	64	66	111	290	437	628	662	557	432	326	325,000
Subcontractors.....														
40-hour, 5-day week.....	60	532	522	575	656	821	817	802	731	724	783	547	499	1,312,485
44-hour, 5½-day week.....	15	173	150	196	196	188	204	183	189	190	164	131	119	368,326
48-hour, 6-day week.....	37	315	317	309	389	488	505	456	436	459	513	327	315	797,677
All other 5½-day week.....	1	6	7	4	5	9	14	8	15	13	9	7	8	9,024
48-hour, 6-day week.....	6	34	44	60	60	128	86	147	81	45	91	78	53	125,468
All other 6-day week.....	1	4	4	6	6	8	8	8	10	8	6	4	4	12,000

¹ Includes operative builders.
² Includes central station, light and power plant; railroad; and oil and natural-gas pipe line.
³ Includes automatic temperature control.
⁴ Includes elevator construction.
⁵ Includes plastering and lathing; excavating; and street paving.
⁶ Includes dam and reservoir; sewer, gas, water, conduit; and oil and natural-gas pipe line.
⁷ Includes elevator construction; plastering and lathing; excavating; street paving; and metal work, n. e. s.
⁸ See complete classification in the distribution for the State above.

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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.				
COLORADO	168	\$20,116,309	\$3,631,000	\$4,558,223	\$7,680,675	\$163,091	\$638,698	\$64,249	\$71,409	\$116,561	\$73,910	\$134,800	\$1,162,846
General contractors ¹	84	13,241,129	3,449,000	2,805,027	4,185,882	39,379	477,711	44,019	20,063	80,639	64,800	101,649	768,777
Building	53	7,289,035	2,838,000	1,388,795	2,003,098	25,071	211,757	935	10,036	38,171	24,058	32,445	107,840
Building not specialized ¹	40	6,611,574	2,518,000	1,200,193	1,920,132	23,271	196,193	935	0,074	21,500	23,893	30,615	101,520
Residential building only	7	677,461	320,000	98,642	142,936	1,800	15,564	—	0,962	16,581	165	1,830	6,329
Highway	8	930,458	219,000	165,289	212,589	2,400	57,675	2,500	0,346	4,180	12,405	11,424	97,660
Bridge and culvert	3	400,231	10,000	148,868	224,408	2,100	17,399	1,481	1,034	1,606	3,940	8,807	15,032
Grading	5	554,773	—	137,162	35,767	4,800	27,856	5,061	1,306	1,913	8,141	8,970	228,004
Street paving	4	456,303	63,000	78,020	215,480	—	35,016	—	2,331	3,426	3,598	3,414	26,086
Sewer, gas, water, conduit	5	500,065	107,000	92,622	210,817	—	20,753	13,292	1,885	2,872	7,681	3,176	70,046
Dam and reservoir	3	179,238	75,000	28,985	24,226	—	4,000	480	1,146	1,876	2,523	5,014	38,443
Other classes ²	3	2,781,021	128,000	716,137	1,199,527	5,008	103,361	20,270	4,380	26,595	2,397	28,393	178,857
Subcontractors	82	6,875,180	182,000	1,752,206	3,474,793	123,712	360,987	20,230	42,346	35,952	9,101	33,251	403,869
Concreting	4	436,462	28,000	103,142	218,538	5,800	15,296	185	230	302	37	3,624	4,454
Electrical	9	582,055	—	201,861	276,369	9,459	32,879	—	0,070	1,447	1,014	2,463	41,421
Heating and plumbing	31	3,056,808	133,000	675,947	1,669,096	39,893	169,077	20,025	14,714	13,667	3,730	7,110	181,368
Heating and piping ³	12	1,523,341	58,000	338,317	893,633	8,731	91,237	20,000	0,308	1,381	2,773	3,250	50,522
Plumbing	15	974,712	4,000	239,699	569,857	25,090	51,058	25	4,646	0,788	882	2,061	60,225
Plumbing and heating combined	4	558,755	71,000	100,931	207,606	6,072	26,782	—	3,760	2,308	84	899	55,851
Masonry	4	149,459	19,000	41,251	63,289	—	8,800	20	20	3,120	460	808	3,048
Painting and decorating	8	476,158	2,000	237,090	84,439	33,073	32,079	—	0,084	610	1,070	4,169	37,757
Roofing and sheet-metal work	9	565,224	—	109,213	300,497	—	44,690	—	1,535	1,562	1,314	4,041	54,567
Steel erection	6	572,066	—	71,412	399,193	—	17,390	—	1,418	400	—	7,057	23,930
Marble and tiling	5	511,406	—	159,547	204,091	18,070	26,630	—	7,115	1,451	—	1,367	27,192
Metal work, n. e. s. ⁴	3	105,501	—	32,166	45,873	12,117	528	—	210	217	—	805	12,111
Other classes ⁵	4	420,041	—	115,658	216,358	5,300	15,000	—	750	13,276	577	1,748	17,901
DENVER	113	14,338,258	2,943,000	3,410,401	5,048,051	125,191	604,237	41,393	53,414	75,161	49,625	93,101	814,964
General contractors ¹	49	8,762,618	2,832,000	1,940,230	2,167,888	30,840	330,808	41,178	19,162	48,468	41,585	63,864	523,984
Building	31	5,919,615	2,462,000	1,074,658	1,539,998	16,541	195,393	625	9,488	33,390	14,824	24,150	61,512
Building not specialized ¹	26	5,323,276	2,161,000	999,418	1,431,175	14,741	131,693	625	8,638	18,000	14,824	22,079	80,728
Residential building only	5	596,339	301,000	75,240	108,823	1,800	13,700	—	950	15,390	—	1,171	4,784
Highway	3	300,657	92,000	62,135	38,242	2,400	9,175	2,500	1,164	370	3,320	2,695	29,200
Bridge, culvert, and railroad	3	1,111,245	19,000	455,030	262,558	2,100	51,020	1,481	2,694	6,955	3,976	20,369	128,390
Grading	3	354,359	—	112,458	16,547	4,800	11,460	3,500	806	1,650	5,816	4,950	165,550
Street paving	3	350,812	55,000	60,933	148,636	—	26,816	—	1,840	2,972	2,798	2,124	21,360
Sewer, gas, water, conduit	3	382,576	107,000	65,044	120,181	—	10,553	12,092	1,675	2,472	7,281	2,236	49,025
Other classes ²	3	343,054	97,000	110,881	35,726	5,008	17,462	20,080	1,595	2,550	3,570	7,500	38,971
Subcontractors	64	5,575,640	111,000	1,470,162	2,880,163	94,342	273,369	215	34,252	26,693	8,040	20,237	290,970
Electrical	8	552,311	—	193,117	263,369	9,459	32,455	—	9,475	1,385	1,914	2,410	39,297
Heating and plumbing	21	2,040,514	62,000	409,060	1,197,372	22,130	103,477	10	7,685	5,274	3,145	4,799	86,408
Heating and piping ³	11	1,484,247	58,000	325,530	880,342	2,500	90,590	—	5,648	1,291	2,773	3,121	53,519
Plumbing	10	556,267	4,000	143,524	311,030	19,630	12,887	10	2,037	3,983	372	1,078	31,949
Masonry and concreting	5	499,787	47,000	121,855	240,081	5,800	8,800	205	250	3,245	20	3,974	5,638
Painting, decorating, and glazing	8	601,097	2,000	238,604	104,289	24,866	32,079	—	0,954	350	1,070	3,870	37,271
Roofing and sheet-metal work	8	485,224	—	99,213	250,497	—	40,899	—	935	1,312	1,314	3,631	49,567
Steel erection	4	541,066	—	67,602	380,193	—	15,299	—	1,418	400	—	6,713	22,406
Marble and tiling	5	511,406	—	159,547	204,091	18,070	25,369	—	7,115	1,451	—	1,367	27,192
Other classes ⁴	5	344,235	—	121,334	140,074	14,017	16,000	—	420	13,276	577	2,455	24,161

¹ Includes operative builders.
² Includes central station, light and power plant; railroad; and oil and natural-gas pipe line.
³ Includes automatic temperature control.
⁴ Includes elevator construction.
⁵ Includes glass and glazing; plastering and lathing; and street paving.
⁶ Includes dam and reservoir; and oil and natural-gas pipe line.
⁷ Includes elevator construction; plastering and lathing; street paving; and metal work, n. e. s.

CONSTRUCTION—COLORADO

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 ¹		Subcontractors	All classes of establishments			General contractors ²	Subcontractors
	Amount	Per cent distribution	Per \$1,000 construction work done ³				Amount	Per cent distribution	Per \$1,000 construction work done ¹		
COLORADO					DENVER						
All kinds of material.....	\$10,008,597		\$434.40	\$5,777,054	\$4,231,543	\$6,593,024		\$437.15	\$3,059,577	\$3,533,447	
Distribution not reported.....	2,805,030	28.0		1,595,492	709,538	1,682,151	25.6		1,243,905	438,159	
Distributed by kind.....	7,703,567	100.0		4,181,562	3,522,005	4,910,873	100.0		1,815,582	3,095,291	
Sand, gravel, stone, slag, cinders, etc.....	583,215	7.6	32.89	510,370	72,885	384,828	7.8	34.20	318,744	66,084	
Brick (face, common, fire, paving, etc.).....	222,862	2.9	12.57	181,071	41,791	148,932	3.0	13.20	108,131	40,801	
Tile (fireproofing).....	30,917	.4	1.74	18,823	12,094	10,410	.4	1.73	7,510	11,894	
Tile, facing, terra cotta, floor, and wall.....	180,841	2.3	10.20	67,625	113,216	164,280	3.3	14.62	51,664	112,716	
Concrete and cinder block.....	18,831	.2	1.00	17,665	1,166	1,166	(4)	.10		1,166	
Cut stone, granite, and marble.....	76,208	1.0	4.30	39,832	36,376	46,181	.9	4.11	9,905	36,276	
Riprap, rubble, etc.....	13,353	.2	.75	13,353		10,499	.2	.94	10,499		
Cement.....	636,998	8.3	35.92	597,851	129,637	398,049	8.1	35.43	277,210	120,830	
Lime.....	25,536	.3	1.44	17,108	8,428	17,631	.4	1.57	9,563	8,068	
Plaster, etc.....	65,935	.9	3.72	58,668	7,267	57,078	1.2	5.08	49,811	7,267	
Structural steel.....	1,220,712	15.9	69.17	359,611	867,701	1,018,636	20.7	90.67	171,735	846,901	
Reinforcing steel.....	201,894	2.6	11.39	169,710	32,144	167,213	3.2	13.90	125,807	31,406	
Cast iron, miscellaneous, excluding pipe.....	4,161	.1	.23	3,558	603	2,069	(4)	.18	1,400	669	
Metal doors, windows, and trim.....	68,267	.9	3.85	68,267		38,740	.8	3.45	38,740		
Metal and wire lath and furring.....	9,492	.1	.53	6,635	2,857	3,607	.1	.32	750	2,857	
Ornamental metal work.....	57,464	.7	3.24	22,910	34,554	44,634	.9	3.97	11,080	33,554	
Lumber, rough and finished.....	494,001	6.4	27.86	478,351	20,650	229,718	4.7	20.45	210,468	19,250	
Lath, shingles, and shakes (wood).....	12,330	.2	.70	11,890	500	5,417	.1	.48	4,917	500	
Millwork.....	291,416	3.8	16.43	291,416		182,924	3.7	16.28	182,924		
Composition board.....	37,803	.5	2.13	18,208	24,600	20,027	.6	2.58	4,427	24,600	
Waterproofing materials.....	12,555	.2	.71	6,060	5,925	9,046	.2	.80	4,221	5,425	
Hardware, rough and finished.....	45,933	.6	2.59	44,289	1,644	25,495	.5	2.27	24,261	1,234	
Paints, varnishes, glass.....	225,924	2.9	12.74	24,481	201,443	205,192	4.2	18.20	9,509	195,683	
Roofing and sheet metal.....	275,222	3.6	15.52	28,316	246,907	189,278	3.9	16.85	8,571	180,707	
Finished flooring (other than cement, wood, or tile).....	14,068	.2	.79	14,068		6,250	.1	.50	6,250		
Screens, shades, awnings, etc.....	3,999	.1	.23	3,969	30	1,250	(4)	.11	1,250		
Heating and ventilating equipment.....	655,168	8.5	30.95	11,612	643,556	551,886	11.2	49.13	5,780	546,106	
Plumbing and gas fitting equipment.....	521,723	6.8	29.42	21,186	500,537	365,899	7.5	32.57	18,335	347,564	
Electrical appliances and supplies.....	388,751	5.0	21.92	40,781	342,020	315,428	6.4	28.08	0,000	309,428	
Elevators, dumb-waiters, and equipment.....	39,700	.5	2.24	4,700	35,000	38,000	.8	3.38	3,000	35,000	
Pipe: Drain tile, vitrified, concrete, segment tile, corrugated.....	70,209	1.0	4.30	69,676	534	28,546	.6	2.54	25,881	2,665	
Pipe: Cast iron, sheet and tube steel, etc.....	227,174	2.9	12.81	167,504	60,670	63,861	1.3	5.68	18,561	45,300	
Wire cable, guards, and fencing.....	13,787	.2	.78	13,112	675	3,610	.1	.32	3,610		
Bituminous paving materials, tar, asphalt, and oil.....	117,015	1.5	6.60	69,976	47,040	97,312	2.0	8.66	50,272	47,040	
Wood piling and timber.....	3,200	(4)	.18	3,200		3,200	.1	.28	3,200		
Machinery.....	742,600	9.6	41.88	742,600		5,794	.1	.52	921	4,873	
Freight, hauling, or trucking to job.....	10,053	.1	.56	10,053		289	(4)	.03		289	
Metal products, n. e. s., (including metal furniture).....	5,794	.1	.33	921	4,873	39,898	.8	3.55	30,793	9,105	
Mineral products (nonmetallic) n. e. s.....	289	(4)	.02		289						
Miscellaneous.....	60,161	.9	3.73	40,728	19,433						

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—COLORADO

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 distributed materials	Amount	Per cent of—			Cost of all distributed materials	
													Total cost
COLORADO						COLORADO—Continued							
<i>Sand, gravel, stone, slag, cinders, etc.²</i>						<i>Cement²—Continued</i>							
All classes.....	\$7,703,567	\$583,215	100.0	7.0	\$19,578,127	82.2	Subcontractors.....	\$3,522,005	\$120,037	20.4	3.7	\$6,623,376	96.8
General contractors.....	\$4,171,924	510,330	87.5	12.2	\$12,881,354	76.3	Concrete.....	206,053	113,856	17.9	55.3	4,409,528	93.6
Building.....	\$1,643,772	86,420	14.8	5.3	\$4,968,555	61.1	Heating and plumbing.....	\$1,218,183	255	(?)	(?)	\$2,136,994	95.9
Building not specialized.....	1,560,450	84,440	14.5	5.4	4,582,028	63.2	Heating and piping.....	685,842	70	(?)	(?)	1,161,994	96.0
Residential building only.....	63,828	1,980	3.1	3.1	343,387	52.7	Plumbing.....	468,841	185	(?)	(?)	842,643	99.6
Highway.....	525,307	106,489	33.7	37.4	2,363,770	92.4	Masonry.....	63,289	4,520	7.1	7.1	149,459	87.2
Bridge and culvert.....	395,778	42,232	7.2	10.7	879,908	94.0	Roofing and sheet-metal work.....	\$300,497	2,570	0.8	0.9	\$695,224	100.0
Grading.....	63,479	18,463	3.2	29.1	889,644	91.2	Roofing.....	246,546	2,570	1.0	1.0	482,826	100.0
Street paving.....	243,892	75,720	13.0	31.0	500,700	86.4	Marble and tiling.....	127,590	3,082	2.4	2.9	307,204	100.0
Sewer, gas, water, conduit.....	70,729	3,254	0.6	4.2	211,642	80.0	Excavating.....	4,403	728	1.1	16.6	105,068	70.5
Waterworks.....	4,300	1,000	0.2	23.3	80,000	100.0	Street paving.....	58,617	4,027	0.0	6.9	149,213	100.0
Railroad.....	79,507	53,386	9.2	67.1	700,000	100.0							
Central station, light and power plant.....	1,108,520	33,313	5.7	3.0	1,886,021	94.4							
Subcontractors.....	\$3,522,005	72,885	12.5	2.1	\$6,623,376	96.8	<i>Structural steel²</i>						
Concrete.....	206,053	53,090	9.2	26.2	409,528	93.0	All classes.....	\$7,703,567	1,220,712	100.0	15.9	\$19,578,127	82.2
Heating and plumbing.....	\$1,218,183	225	(?)	(?)	\$2,136,994	95.9	General contractors.....	\$4,171,924	350,011	29.8	8.6	\$12,881,354	76.3
Heating and piping.....	685,842	150	(?)	(?)	1,161,994	96.0	Building.....	1,643,772	60,192	5.4	4.0	4,968,555	61.1
Plumbing.....	468,841	75	(?)	(?)	842,643	99.6	Building not specialized.....	1,560,450	65,727	5.4	4.2	4,582,028	63.2
Masonry.....	63,289	3,924	7.1	6.2	149,459	87.2	Commercial building only.....	13,494	150	1.1	1.1	42,540	28.8
Roofing and sheet-metal work.....	\$300,497	1,150	0.4	0.4	\$695,224	100.0	Residential building only.....	63,828	815	0.4	0.6	343,387	52.7
Roofing.....	246,546	1,150	0.5	0.5	482,826	100.0	Highway.....	525,307	76,685	14.5	16.0	2,363,770	92.4
Marble and tiling.....	127,590	2,376	1.9	1.9	307,204	100.0	Bridge and culvert.....	395,778	175,817	44.4	44.4	879,908	94.0
Street paving.....	58,617	10,780	1.8	18.4	149,213	100.0	Grading.....	63,479	1,711	2.7	2.7	889,644	91.2
<i>Brick (face, common, fire, paving, etc.)</i>							Street paving.....	243,892	381	0.2	0.2	500,700	86.4
All classes.....	\$7,703,567	222,862	100.0	2.9	\$19,578,127	82.2	Central station, light and power plant.....	1,108,520	36,325	3.0	3.3	1,886,021	94.4
General contractors.....	\$4,171,924	181,071	81.2	4.3	\$12,881,354	76.3	Subcontractors.....	\$3,522,005	867,701	70.7	24.6	\$6,623,376	96.8
Building.....	\$1,643,772	170,958	76.7	10.4	\$4,968,555	61.1	Masonry.....	63,289	609	0.9	0.9	149,459	87.2
Building not specialized.....	1,560,450	150,803	71.7	10.2	4,582,028	63.2	Steel erection.....	932,198	865,701	70.0	92.9	1,279,914	96.3
Residential building only.....	63,828	11,155	5.0	17.5	343,387	52.7	Excavating.....	4,403	1,400	1.1	31.8	105,068	79.5
Highway.....	525,307	3,045	1.4	4.8	889,644	91.2	<i>Reinforcing steel</i>						
Bridge and culvert.....	395,778	3,022	1.0	1.5	500,700	86.4	All classes.....	\$7,703,567	201,894	100.0	2.6	\$19,578,127	82.2
Grading.....	63,479	1,834	0.8	2.4	211,642	80.0	General contractors.....	\$4,171,924	169,750	84.1	4.1	\$12,881,354	76.3
Street paving.....	243,892	1,834	0.8	2.4	211,642	80.0	Building.....	1,643,772	64,037	32.2	4.0	4,968,555	61.1
Sewer, gas, water, conduit.....	70,729	1,834	0.8	2.4	211,642	80.0	Building not specialized.....	1,560,450	63,304	31.4	4.0	4,582,028	63.2
Waterworks.....	4,300	1,834	0.8	2.4	211,642	80.0	Commercial building only.....	13,494	1,243	0.0	0.2	42,540	28.8
Railroad.....	79,507	1,834	0.8	2.4	211,642	80.0	Residential building only.....	63,828	300	1.1	1.1	343,387	52.7
Central station, light and power plant.....	1,108,520	1,612	0.7	0.1	1,886,021	94.4	Highway.....	525,307	80,404	18.0	6.9	2,363,770	92.4
Subcontractors.....	\$3,522,005	41,701	18.8	1.2	\$6,623,376	96.8	Bridge and culvert.....	395,778	47,356	23.6	12.0	879,908	94.0
Concrete.....	206,053	300	0.1	0.1	409,528	93.0	Grading.....	63,479	1,713	0.8	2.7	889,644	91.2
Heating and plumbing.....	\$1,218,183	850	0.4	0.1	\$2,136,994	95.9	Street paving.....	243,892	300	0.1	1.1	500,700	86.4
Heating and piping.....	685,842	0	0.0	0.0	1,161,994	96.0	Sewer, gas, water, conduit.....	70,729	973	0.5	1.3	211,642	80.0
Plumbing.....	468,841	250	0.1	0.1	842,643	99.6	Dam and reservoir.....	19,140	3,980	2.0	20.8	106,054	58.1
Masonry.....	63,289	40,407	18.1	63.8	149,459	87.2	Railroad.....	79,507	3,463	1.7	4.4	700,000	100.0
Roofing and sheet-metal work.....	\$300,497	94	(?)	0.1	\$695,224	100.0	Central station, light and power plant.....	1,108,520	10,585	5.2	1.0	1,886,021	94.4
Roofing.....	246,546	94	(?)	0.1	307,204	100.0	Subcontractors.....	\$3,522,005	32,144	15.9	0.9	\$6,623,376	96.8
Marble and tiling.....	127,590	140	0.1	0.2	149,213	100.0	Concrete.....	206,053	188	0.1	0.1	409,528	93.6
Street paving.....	58,617	140	0.1	0.2	149,213	100.0	Masonry.....	63,289	200	0.1	0.3	149,459	87.2
<i>Tile, facing, terra cotta, floor, and wall</i>							Roofing and sheet-metal work.....	\$300,497	200	0.1	0.1	\$695,224	100.0
All classes.....	\$7,703,567	180,841	100.0	2.3	\$19,578,127	82.2	Roofing.....	246,546	200	0.1	0.1	482,826	100.0
General contractors.....	\$4,171,924	67,625	37.4	1.6	\$12,881,354	76.3	Steel erection.....	932,198	31,200	15.5	3.3	1,279,914	96.3
Building.....	\$1,643,772	67,625	37.4	4.1	\$4,968,555	61.1	Excavating.....	4,403	350	0.2	7.9	105,068	79.5
Building not specialized.....	1,560,450	67,475	37.3	4.8	4,582,028	63.2	<i>Lumber, rough and finished</i>						
Residential building only.....	63,828	150	0.1	0.2	343,387	52.7	All classes.....	\$7,703,567	404,001	100.0	6.4	\$19,578,127	82.2
Highway.....	525,307	113,210	62.6	3.2	\$6,623,376	96.8	General contractors.....	\$4,181,562	478,351	95.8	11.3	\$12,954,751	78.1
Bridge and culvert.....	395,778	500	0.3	0.1	\$2,136,994	95.9	Building.....	1,653,410	347,040	70.3	21.0	5,041,952	60.9
Grading.....	63,479	500	0.3	0.1	\$2,136,994	95.9	Building not specialized.....	1,576,088	304,196	61.0	19.3	4,656,025	63.0
Street paving.....	243,892	500	0.3	0.1	343,387	52.7	Commercial building only.....	13,494	11,850	2.4	87.8	42,540	28.8
Sewer, gas, water, conduit.....	70,729	500	0.3	0.1	889,644	91.2	Residential building only.....	63,828	300	1.1	1.1	343,387	52.7
Waterworks.....	4,300	500	0.3	0.1	149,459	87.2	Highway.....	525,307	20,580	6.0	5.6	2,363,770	92.4
Railroad.....	79,507	500	0.3	0.1	\$695,224	100.0	Bridge and culvert.....	395,778	32,447	6.0	8.2	879,908	94.0
Central station, light and power plant.....	1,108,520	500	0.3	0.1	\$482,826	100.0	Grading.....	63,479	8,181	1.7	12.9	889,644	91.2
					307,204	100.0	Street paving.....	243,892	10,984	2.2	4.5	500,700	86.4
					149,213	100.0	Sewer, gas, water, conduit.....	70,729	200	(?)	0.3	211,642	80.0
							Dam and reservoir.....	19,140	150	(?)	0.8	106,054	58.1
							Railroad.....	79,507	4,280	0.9	5.3	700,000	100.0
							Central station, light and power plant.....	1,108,520	40,583	8.2	3.7	1,886,021	94.4
							Subcontractors.....	\$3,522,005	20,650	4.2	0.6	\$6,623,376	96.8
							Concrete.....	206,053	18,450	3.0	0.4	409,528	93.6
							Heating and plumbing.....	\$1,218,183	600	0.1	(?)	\$2,136,994	95.9
							Heating and piping.....	685,842	600	0.1	0.1	1,161,994	96.0
							Plumbing.....	468,841	800	0.1	0.1	842,643	99.6
							Masonry.....	63,289	800	0.1	0.6	149,459	87.2
							Roofing and sheet-metal work.....	\$300,497	100	(?)	0.1	\$695,224	100.0
							Roofing.....	246,546	100	(?)	0.1	482,826	100.0
							Marble and tiling.....	127,590	100	(?)	0.1	307,204	100.0
							Excavating.....	4,403	100	(?)	0.1	105,068	79.5
							Street paving.....	58,617	200	(?)	0.3	149,213	100.0

See footnotes at end of table.

CONSTRUCTION—COLORADO

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	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—		Cost of all distributed materials
			Total cost	Cost of all distributed materials											Total cost	Cost of all distributed materials	
COLORADO—Continued						COLORADO—Continued											
<i>Millwork</i>						<i>Electrical appliances and supplies</i>											
All classes.....	\$7,703,567	\$291,416	100.0	3.8	\$19,578,127	82.2	All classes.....	\$7,703,567	\$388,751	100.0	5.0	\$19,578,127	82.2				
General contractors.....	\$4,181,502	291,416	100.0	7.0	\$12,954,751	76.1	General contractors.....	\$4,171,024	46,731	12.0	1.1	\$12,881,354	76.3				
Building.....	\$1,653,410	291,416	100.0	17.6	\$5,041,952	60.9	Building.....	\$1,643,772	4,471	1.2	0.3	\$4,968,555	61.1				
Building not specialized.....	1,576,088	280,130	98.2	18.2	4,656,025	63.0	Building not specialized.....	1,506,450	3,561	0.9	0.2	4,582,628	63.2				
Residential building only.....	63,828	5,280	1.8	8.3	343,387	52.7	Residential building only.....	63,828	910	2.2	1.4	343,387	52.7				
<i>Paints, varnishes, glass</i>							Bridge and culvert.....	395,778	1,074	0.4	0.4	979,968	94.0				
All classes.....	\$7,703,567	225,924	100.0	2.9	\$19,578,127	82.2	Street paving.....	243,892	1,065	0.3	0.4	500,700	86.4				
General contractors.....	\$4,171,024	24,481	10.8	0.6	\$12,881,354	76.3	Sewer, gas, water, conduit.....	76,729	151	(?)	0.2	211,642	80.9				
Building.....	\$1,643,772	11,002	4.9	0.7	\$4,968,555	61.1	Central station, light and power plant.....	1,108,520	8,576	3.8	0.8	1,886,021	94.4				
Building not specialized.....	1,566,450	10,212	4.5	1.3	4,582,628	63.2	Subcontractors.....	\$3,522,005	201,443	80.2	5.7	\$6,623,376	96.8				
Residential building only.....	63,828	850	0.4	1.3	343,387	52.7	Masonry.....	63,289	107	1.3	0.3	149,459	87.2				
Highway.....	525,307	548	0.2	1.1	2,303,770	92.4	Painting and decorating.....	84,489	84,489	37.4	100.0	476,158	99.6				
Bridge and culvert.....	395,778	2,551	1.1	1.6	979,968	94.0	Glass and glazing.....	115,657	115,657	51.1	100.0	154,076	100.0				
Grading.....	63,479	941	0.4	1.5	899,644	91.2	Roofing and sheet-metal work.....	\$300,497	1,200	5.4	2.2	\$565,224	100.0				
Street paving.....	243,892	616	0.3	3.3	500,700	86.4	Sheet-metal work.....	53,951	1,200	5.6	2.2	82,398	100.0				
Sewer, gas, water, conduit.....	76,729	188	0.1	0.2	211,642	80.9	<i>Roofing and sheet metal</i>										
Central station, light and power plant.....	1,108,520	8,576	3.8	0.8	1,886,021	94.4	All classes.....	\$7,703,567	275,222	100.0	3.6	\$19,578,127	82.2				
Subcontractors.....	\$3,522,005	201,443	80.2	5.7	\$6,623,376	96.8	General contractors.....	\$4,171,024	28,315	10.3	0.7	\$12,881,354	76.3				
Masonry.....	63,289	107	1.3	0.3	149,459	87.2	Building.....	\$1,643,772	17,166	6.2	1.0	\$4,968,555	61.1				
Painting and decorating.....	84,489	84,489	37.4	100.0	476,158	99.6	Building not specialized.....	1,566,450	10,226	5.9	1.0	4,582,628	63.2				
Glass and glazing.....	115,657	115,657	51.1	100.0	154,076	100.0	Residential building only.....	63,828	940	0.3	1.5	343,387	52.7				
Roofing and sheet-metal work.....	\$300,497	1,200	5.4	2.2	\$565,224	100.0	Bridge and culvert.....	395,778	1,789	0.7	0.5	979,968	94.0				
Sheet-metal work.....	53,951	1,200	5.6	2.2	82,398	100.0	Street paving.....	243,892	312	0.1	0.1	500,700	86.4				
<i>Heating and ventilating equipment²</i>							Central station, light and power plant.....	1,108,520	9,048	3.3	0.8	1,886,021	94.4				
All classes.....	\$7,703,567	655,168	100.0	8.5	\$19,578,127	82.2	Subcontractors.....	\$3,522,005	246,907	89.7	7.0	\$6,623,376	96.8				
General contractors.....	\$4,171,024	11,612	1.8	0.3	\$12,881,354	76.3	Heating and plumbing.....	\$1,218,183	16,200	5.9	1.3	\$2,136,994	95.9				
Building.....	\$1,643,772	5,330	0.8	0.3	\$4,968,555	61.1	Heating and piping.....	685,842	3,000	1.1	0.4	1,161,994	96.6				
Building not specialized.....	1,566,450	4,250	0.6	0.3	4,582,628	63.2	Plumbing.....	468,341	13,200	4.8	2.3	842,643	99.0				
Residential building only.....	63,828	1,080	0.2	1.7	343,387	52.7	Roofing and sheet-metal work.....	300,497	230,707	83.8	76.3	565,224	100.0				
Street paving.....	243,892	1,800	0.3	0.7	500,700	86.4	Roofing.....	246,546	177,956	64.7	72.2	482,826	100.0				
Central station, light and power plant.....	1,108,520	4,482	0.7	0.4	1,886,021	94.4	Sheet-metal work.....	53,951	52,751	19.2	97.8	82,398	100.0				
Subcontractors.....	\$3,522,005	643,556	98.2	18.3	\$6,623,376	96.8	<i>Heating and ventilating equipment²</i>										
Heating and plumbing.....	\$1,218,183	643,556	98.2	52.8	\$2,136,994	95.9	All classes.....	\$7,703,567	655,168	100.0	8.5	\$19,578,127	82.2				
Heating and piping.....	685,842	467,969	71.4	68.2	1,161,994	96.0	General contractors.....	\$4,171,024	11,612	1.8	0.3	\$12,881,354	76.3				
Plumbing.....	468,341	111,590	17.0	23.8	842,643	99.0	Building.....	\$1,643,772	5,330	0.8	0.3	\$4,968,555	61.1				
Automatic temperature control.....	64,000	64,000	0.8	100.0	132,357	100.0	Building not specialized.....	1,566,450	4,250	0.6	0.3	4,582,628	63.2				
<i>Plumbing and gas fitting equipment</i>							Residential building only.....	63,828	1,080	0.2	1.7	343,387	52.7				
All classes.....	\$7,703,567	521,723	100.0	6.8	\$19,578,127	82.2	Street paving.....	243,892	1,800	0.3	0.7	500,700	86.4				
General contractors.....	\$4,171,024	21,186	4.1	0.5	\$12,881,354	76.3	Central station, light and power plant.....	1,108,520	4,482	0.7	0.4	1,886,021	94.4				
Building.....	\$1,643,772	7,551	1.4	0.5	\$4,968,555	61.1	Subcontractors.....	\$3,522,005	643,556	98.2	18.3	\$6,623,376	96.8				
Building not specialized.....	1,566,450	4,401	0.8	0.3	4,582,628	63.2	Heating and plumbing.....	\$1,218,183	16,200	5.9	1.3	\$2,136,994	95.9				
Residential building only.....	63,828	3,150	0.6	4.9	343,387	52.7	Heating and piping.....	685,842	467,969	71.4	68.2	1,161,994	96.0				
Street paving.....	243,892	4,300	0.8	1.8	500,700	86.4	Plumbing.....	468,341	111,590	17.0	23.8	842,643	99.0				
Sewer, gas, water, conduit.....	76,729	9,335	1.8	12.2	211,642	80.9	Automatic temperature control.....	64,000	64,000	0.8	100.0	132,357	100.0				
Subcontractors.....	\$3,522,005	500,537	95.9	14.2	\$6,623,376	96.8	<i>Plumbing and gas fitting equipment</i>										
Heating and plumbing.....	\$1,218,183	500,237	95.9	41.1	\$2,136,994	95.9	All classes.....	\$7,703,567	521,723	100.0	6.8	\$19,578,127	82.2				
Heating and piping.....	685,842	184,291	35.3	26.9	1,161,994	96.0	General contractors.....	\$4,171,024	21,186	4.1	0.5	\$12,881,354	76.3				
Plumbing.....	468,341	315,946	60.6	67.5	842,643	99.6	Building.....	\$1,643,772	7,551	1.4	0.5	\$4,968,555	61.1				
Marble and tiling.....	127,596	300	0.1	0.2	307,264	100.0	Building not specialized.....	1,566,450	4,401	0.8	0.3	4,582,628	63.2				
							Residential building only.....	63,828	3,150	0.6	4.9	343,387	52.7				
							Street paving.....	243,892	4,300	0.8	1.8	500,700	86.4				
							Sewer, gas, water, conduit.....	76,729	9,335	1.8	12.2	211,642	80.9				
							Subcontractors.....	\$3,522,005	500,537	95.9	14.2	\$6,623,376	96.8				
							Heating and plumbing.....	\$1,218,183	500,237	95.9	41.1	\$2,136,994	95.9				
							Heating and piping.....	685,842	184,291	35.3	26.9	1,161,994	96.0				
							Plumbing.....	468,341	315,946	60.6	67.5	842,643	99.6				
							Marble and tiling.....	127,596	300	0.1	0.2	307,264	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

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	Per cent of—	Cost of all materials distributed by kind			Amount	Per cent of—
DENVER—Continued						DENVER—Continued							
Brick (face, common, fire, paving, etc.)						Reinforcing steel—Contd.							
All classes.....	\$4,910,873	\$148,932	100.0	3.0	\$12,571,373	70.3	General contractors—Contd.						
General contractors.....	\$ 1,805,944	108,131	72.6	6.0	\$ 6,793,804	69.7	Sewer, gas, water, conduit.....	\$61,064	\$608	0.4	1.0	\$183,642	72.1
Building.....	958,315	102,975	69.1	10.7	3,199,583	56.8	Dam and reservoir.....	19,140	3,990	2.6	20.8	106,054	49.3
Building not specialized.....	911,735	92,120	61.9	10.1	2,900,783	59.2	Railroad.....	79,507	3,453	2.2	4.4	700,000	100.0
Residential building only.....	40,580	10,855	7.3	23.3	298,800	49.5	Subcontractors.....	\$ 3,095,291	31,406	20.0	1.0	\$ 5,704,112	97.6
Street paving.....	148,030	3,622	2.4	2.4	350,812	85.4	Roofing and sheet-metal work.....	\$ 250,497	200	1.1	1.1	\$ 485,224	100.0
Sewer, gas, water, conduit.....	01,064	1,534	1.0	2.5	183,642	72.1	Roofing.....	106,546	200	1.1	1.1	402,826	100.0
Subcontractors.....	\$ 3,095,291	40,801	27.4	1.3	\$ 5,704,112	97.6	Steel erection.....	913,193	31,206	19.8	3.4	1,248,914	96.2
Concreting.....	193,392	60	(?)	(?)	379,528	92.6	Lumber, rough and finished						
Heating and plumbing.....	\$ 922,885	600	.4	.1	\$ 1,592,379	97.0	All classes.....	4,910,873	229,718	100.0	4.7	12,571,373	79.3
Heating and piping.....	662,542	600	.4	.1	1,111,994	95.7	General contractors.....	\$ 1,815,582	210,468	91.0	11.6	\$ 6,867,261	69.5
Masonry.....	50,289	39,907	26.8	70.9	120,259	84.2	Building.....	967,953	163,685	71.3	16.9	3,272,980	58.9
Marble and tiling.....	127,696	94	.1	.1	307,264	100.0	Building not specialized.....	921,373	140,085	61.0	15.2	2,974,180	58.9
Street paving.....	58,617	140	.1	.2	149,213	100.0	Residential building only.....	46,580	23,600	10.3	50.7	298,800	49.5
Tile, facing, terra cotta, floor, and wall							Highway.....	250,464	9,200	4.0	3.7	1,178,432	94.0
All classes.....	\$ 4,910,873	164,280	100.0	3.3	\$ 12,571,373	79.3	Bridge and culvert.....	250,871	22,738	9.0	8.7	725,982	91.9
General contractors.....	\$ 1,805,944	51,504	31.4	2.9	\$ 6,793,804	69.7	Grading.....	16,547	2,981	1.3	18.0	154,359	100.0
Building.....	958,315	51,504	31.4	5.4	3,199,583	56.8	Street paving.....	148,036	7,484	3.3	5.0	350,812	85.4
Building not specialized.....	911,735	51,504	31.4	5.7	2,900,783	59.2	Dam and reservoir.....	19,140	150	.1	.8	106,054	49.3
Subcontractors.....	\$ 3,095,291	112,715	68.6	3.6	\$ 5,704,112	97.6	Railroad.....	79,507	4,230	1.8	5.3	700,000	100.0
Masonry.....	50,289	3,500	2.1	6.2	120,259	84.2	Subcontractors.....	\$ 3,095,291	19,250	8.4	.6	\$ 5,704,112	97.6
Roofing and sheet-metal work.....	\$ 250,497	29,800	18.1	11.9	\$ 485,224	100.0	Concreting.....	193,392	18,950	8.2	0.8	379,528	92.6
Roofing.....	190,546	29,800	18.1	15.2	402,826	100.0	Marble and tiling.....	127,696	100	(?)	.1	307,264	100.0
Marble and tiling.....	127,696	79,416	48.3	62.2	307,264	100.0	Street paving.....	58,617	200	.1	.3	149,213	100.0
Cement ²							Millwork						
All classes.....	\$ 4,910,873	398,049	100.0	8.1	\$ 12,571,373	79.3	All classes.....	\$ 4,910,873	182,924	100.0	3.7	\$ 12,571,373	79.3
General contractors.....	\$ 1,805,944	277,210	69.6	15.3	\$ 6,793,804	69.7	General contractors.....	\$ 1,815,582	182,924	100.0	10.1	\$ 6,867,261	69.5
Building.....	958,315	130,393	32.8	13.0	3,199,583	56.8	Building.....	967,953	182,924	100.0	18.9	3,272,980	56.5
Building not specialized.....	911,735	129,138	32.4	14.2	2,900,783	59.2	Building not specialized.....	921,373	182,644	99.8	10.8	2,974,180	58.9
Residential building only.....	40,580	1,255	.3	2.7	298,800	49.5	Residential building only.....	46,580	280	.2	.6	298,800	49.5
Highway.....	250,464	30,704	9.2	14.7	1,178,432	94.0	Paints, varnishes, glass						
Bridge and culvert.....	250,871	46,282	11.6	17.8	725,982	91.9	All classes.....	\$ 4,910,873	205,192	100.0	4.2	\$ 12,571,373	79.3
Grading.....	16,547	500	.1	3.4	154,359	100.0	General contractors.....	\$ 1,805,944	9,500	4.6	.5	\$ 6,793,804	69.7
Street paving.....	148,036	31,090	7.8	20.9	350,812	85.4	Building.....	958,315	6,491	3.2	.7	3,199,583	56.8
Sewer, gas, water, conduit.....	01,064	2,675	.7	4.3	183,042	72.1	Building not specialized.....	911,735	5,791	2.8	.6	2,900,783	59.2
Dam and reservoir.....	19,140	15,000	3.8	78.4	106,054	49.3	Residential building only.....	46,580	700	.3	1.5	298,800	49.5
Railroad.....	79,507	14,500	3.0	18.2	700,000	100.0	Highway.....	250,464	450	.2	.2	1,178,432	94.0
Subcontractors.....	\$ 3,095,291	120,839	30.4	3.9	\$ 5,704,112	97.6	Bridge and culvert.....	250,871	1,323	.6	.5	725,982	91.9
Concreting.....	193,392	108,490	27.3	59.1	379,528	92.6	Grading.....	16,547	441	.2	2.7	154,359	100.0
Heating and plumbing.....	\$ 922,885	50	(?)	(?)	\$ 1,592,379	97.0	Street paving.....	148,036	616	.3	.4	350,812	85.4
Heating and piping.....	662,542	50	(?)	(?)	1,111,994	95.7	Sewer, gas, water, conduit.....	61,064	188	.1	.3	183,642	72.1
Masonry.....	50,289	2,020	.5	3.0	120,259	84.2	Subcontractors.....	\$ 3,095,291	195,683	95.4	6.3	\$ 5,704,112	97.6
Roofing and sheet-metal work.....	\$ 250,497	2,570	.6	1.3	\$ 485,224	100.0	Masonry.....	50,289	197	.1	.3	120,259	84.2
Roofing.....	190,546	2,370	.6	1.3	402,826	100.0	Painting and decorating.....	78,729	78,729	38.4	100.0	447,021	99.6
Marble and tiling.....	127,696	3,682	.9	2.9	307,264	100.0	Glass and glazing.....	115,557	115,557	56.3	100.0	154,070	100.0
Street paving.....	58,617	4,027	1.0	6.9	149,213	100.0	Roofing and sheet-metal work.....	\$ 250,497	1,200	.6	.5	\$ 485,224	100.0
Structural steel ³							Sheet-metal work.....	53,951	1,200	.6	2.2	82,398	100.0
All classes.....	\$ 4,910,873	1,018,636	100.0	20.7	\$ 12,571,373	79.3	Roofing and sheet metal						
General contractors.....	\$ 1,805,944	171,735	16.9	9.5	\$ 6,793,804	69.7	All classes.....	\$ 4,910,873	189,278	100.0	3.9	\$ 12,571,373	79.3
Building.....	958,315	34,208	3.4	3.0	3,199,583	56.8	General contractors.....	\$ 1,805,944	8,571	4.5	.5	\$ 6,793,804	69.7
Building not specialized.....	911,735	34,008	3.3	3.0	2,900,783	59.2	Building.....	958,315	6,470	3.4	.7	3,199,583	56.8
Residential building only.....	40,580	140	(?)	.3	298,800	49.5	Building not specialized.....	911,735	5,030	3.0	.6	2,900,783	59.2
Highway.....	250,464	45,000	4.5	18.2	1,178,432	94.0	Residential building only.....	46,580	840	.4	1.8	298,800	49.5
Bridge and culvert.....	250,871	89,835	8.8	34.6	725,982	91.9	Bridge and culvert.....	250,871	1,789	.9	.7	725,982	91.9
Grading.....	16,547	1,711	.2	10.3	154,359	100.0	Street paving.....	148,036	312	.2	.2	350,812	85.4
Street paving.....	148,036	381	(?)	.3	350,812	85.4	Subcontractors.....	\$ 3,095,291	180,707	95.5	5.8	\$ 5,704,112	97.6
Subcontractors.....	\$ 3,095,291	846,901	83.1	27.4	\$ 5,704,112	97.6	Roofing and sheet-metal work.....	250,497	180,707	95.5	72.1	485,224	100.0
Concreting.....	193,392	200	(?)	.4	120,259	84.2	Roofing.....	196,546	127,956	67.6	65.1	402,826	100.0
Masonry.....	50,289	846,701	83.1	92.7	1,248,914	96.2	Sheet-metal work.....	53,951	52,751	27.9	97.8	82,398	100.0
Steel erection.....	913,193						Heating and ventilating equipment⁴						
Reinforcing steel							All classes.....	\$ 4,910,873	551,886	100.0	11.2	\$ 12,571,373	79.3
All classes.....	\$ 4,910,873	157,213	100.0	3.2	\$ 12,571,373	79.3	General contractors.....	\$ 1,805,944	5,780	1.0	.3	\$ 6,793,804	69.7
General contractors.....	\$ 1,805,944	125,807	80.0	7.0	\$ 6,793,804	69.7	Building.....	958,315	3,980	.7	.4	3,199,583	56.8
Building.....	958,315	52,840	33.3	5.5	3,199,583	56.8	Building not specialized.....	911,735	2,900	.5	.3	2,900,783	59.2
Building not specialized.....	911,735	52,340	33.3	5.7	2,900,783	59.2	Residential building only.....	46,580	1,080	.2	2.3	298,800	49.5
Highway.....	250,464	30,018	19.1	12.0	1,178,432	94.0	Street paving.....	148,036	1,800	.3	1.2	350,812	85.4
Bridge and culvert.....	250,871	34,975	22.2	13.5	725,982	91.9							
Grading.....	16,547	413	.3	2.5	154,359	100.0							

See footnotes at end of table.

CONSTRUCTION—COLORADO

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 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 total cost	Per cent of all distributed materials					Amount	Per cent of total cost	Per cent of all distributed materials		
DENVER—Continued						DENVER—Continued							
<i>Heating and ventilating equipment—Con.</i>						<i>Electrical appliances and supplies</i>							
Subcontractors.....	\$3,095,201	\$546,106	99.0	17.6	\$5,704,112	97.6	All classes.....	\$4,910,873	\$315,428	100.0	6.4	\$12,571,373	79.3
Heating and plumbing.....	922,885	546,106	90.0	59.2	1,592,379	97.0	General contractors.....	\$1,805,944	6,000	1.9	.3	\$6,793,864	69.7
Heating and piping.....	682,542	457,466	82.9	69.0	1,111,994	95.7	Building.....	958,315	3,110	1.0	.3	3,189,583	56.8
Plumbing.....	196,343	24,640	4.5	12.5	348,028	99.3	Building not specialized.....	911,735	2,200	.7	.2	2,900,783	59.2
Automatic temperature control.....	64,000	64,000	11.6	100.0	132,357	100.0	Residential building only.....	46,580	910	.3	2.0	298,800	49.5
<i>Plumbing and gas fitting equipment</i>						<i>Bituminous paving materials, tar, asphalt, and oil</i>							
All classes.....	\$4,910,873	\$365,899	100.0	7.5	\$12,571,373	79.3	All classes.....	\$4,910,873	\$97,812	100.0	2.0	\$12,571,373	79.3
General contractors.....	\$1,805,944	13,335	5.0	1.0	\$6,793,864	69.7	General contractors.....	\$1,805,944	50,272	51.7	2.8	\$6,793,864	69.7
Building.....	958,315	5,150	1.4	.5	3,199,583	56.8	Bridge and culvert.....	259,871	12,400	12.8	4.8	725,082	91.9
Building not specialized.....	911,735	2,000	.5	.2	2,900,783	59.2	Street paving.....	148,636	37,812	38.9	25.4	350,812	85.4
Residential building only.....	46,580	3,150	.9	6.8	298,800	49.5	Subcontractors.....	\$3,095,291	47,400	48.3	1.5	\$5,704,112	97.6
Street paving.....	148,636	4,300	1.2	2.9	350,812	85.4	Roofing and sheet-metal work.....	\$250,407	4,070	4.2	2.1	\$485,224	100.0
Sewer, gas, water, conduit.....	61,904	8,885	2.4	14.3	183,642	72.1	Roofing.....	196,546	4,070	4.2	2.1	402,820	100.0
Subcontractors.....	\$3,095,291	\$347,504	95.0	11.2	\$5,704,112	97.6	Street paving.....	58,617	42,970	44.2	73.3	149,213	100.0
Heating and plumbing.....	922,885	347,204	94.9	37.6	1,592,379	97.0							
Heating and piping.....	682,542	175,561	48.0	26.5	1,111,994	95.7							
Plumbing.....	196,343	171,709	46.9	87.5	348,028	99.3							
Marble and tiling.....	127,596	300	.1	.2	307,264	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. 268.
³ Includes cost of materials reported by operative builders who did not include the designated material in their distributed lists.
⁴ Includes construction work reported by operative builders who did not include the designated material in their distributed lists.
⁵ Includes cost of materials reported by establishments which did not include the 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 Less than one-tenth of 1 per cent.
⁸ Includes operative builders.
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.

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. 273, the third section on p. 274)

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	Lime	Plaster, etc.	Structural steel	
		Amount	Per cent of total												
COLORADO	\$10,008,567	\$7,703,567	77.0	\$583,215	\$222,862	\$30,917	\$180,341	\$18,831	\$76,208	\$13,353	\$636,998	\$25,536	\$65,935	\$1,226,712	
Operative builders.....	9,638	9,638	100.0												
General contractors.....	5,767,416	4,171,924	72.3	510,330	181,071	18,823	67,625	17,665	39,892	13,353	507,361	17,108	58,608	859,011	
Building.....	2,830,418	1,643,772	57.9	86,426	170,958	18,823	67,625	13,454	39,832	736	185,654	16,488	55,015	66,192	
Building not specialized.....	2,674,088	1,566,450	58.6	84,440	159,803	18,655	67,475	13,454	39,582	736	184,240	15,908	54,637	65,727	
Commercial building only.....	21,494	13,494	62.8												
Residential building only.....	142,936	63,828	44.7	1,980	11,155	168	150		250		1,405	580	378	315	
Highway.....	719,479	525,207	73.0	196,486						10,168	123,349			78,595	
Bridge and culvert.....	395,778	395,778	100.0	42,282				4,211			62,232			175,817	
Grading.....	63,470	63,479	100.0	18,463	3,046					2,449	8,680	555	225	1,711	
Street paving.....	310,392	243,892	78.0	75,720	3,622						59,497		3,428	381	
Sewer, gas, water, conduit.....	210,817	76,728	36.4	3,254	1,834						3,415				
Dam and reservoir.....	24,226	19,140	79.0												
Waterworks.....	4,300	4,300	100.0	1,000							15,000				
Railroad.....	79,507	79,507	100.0	53,886							3,300				
Central station, light and power plant.....	1,108,520	1,108,520	100.0	33,313	1,612						14,500				
Oil and natural-gas pipe line.....	11,500	11,500	100.0												
Subcontractors.....	4,231,543	3,522,005	83.2	72,885	41,791	12,094	113,216	1,166	36,370		129,637	8,428	7,267	867,701	
Concrete.....	218,538	206,053	94.3	53,930	300	5,593					113,855	2,418			
Electrical.....	360,620	360,620	100.0												
Elevator construction.....	35,000	35,000	100.0												
Heating and plumbing.....	\$1,759,067	1,218,183	69.3	225	850		500				255				
Heating and piping.....	857,993	685,842	79.9	150	600						70				
Plumbing.....	616,528	498,341	76.0	75	250		500				185				
Automatic temperature control.....	64,000	64,000	100.0												
Masonry.....	63,289	63,289	100.0	3,924	40,407	2,200	3,500	666	352		4,520	4,960	50	600	
Painting and decorating.....	84,489	84,489	100.0												
Glass and glazing.....	115,557	115,557	100.0												
Plastering and lathing.....	54,184	10,635	19.6	500											

See footnotes at end of table.

CONSTRUCTION—COLORADO

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	Riprap, rubble, etc.	Cement	Lime	Plaster, etc.	Structural steel
		Amount	Per cent of total											
COLORADO—Continued														
Subcontractors—Continued.														
Roofing and sheet-metal work	\$300,497	\$300,497	100.0	\$1,150			\$20,800	\$500			\$2,570			
Roofing	246,546	246,546	100.0	1,150			20,800				2,570			
Sheet-metal work	53,951	53,951	100.0											\$865,701
Steel erection	932,193	932,193	100.0											1,400
Marble and tiling	234,216	127,596	54.5	2,376	\$94	\$4,301	79,416		\$36,024		3,682	\$50	\$82	
Excavating	4,403	4,403	100.0								4,027			
Street paving	58,617	58,617	100.0	10,780	140									
Metal work, n. e. s.	10,873	4,873	44.8											
DENVER	6,593,024	4,910,873	74.5	2,384,828	148,092	10,410	164,280	1,166	46,181	\$10,400	2,968,049	17,631	57,078	2,101,836
Operative builders														
	9,638	9,638	100.0											
General contractors														
Building	3,049,939	1,805,944	59.2	318,744	108,131	7,516	51,504		9,005	10,400	277,210	0,563	40,811	171,735
Building not specialized	1,967,007	958,315	48.7	54,660	102,075	7,516	51,504		9,005		130,393	0,563	46,383	34,208
Residential building only	1,868,184	911,735	48.8	52,689	92,120	7,348	51,504		9,005		129,138	0,083	40,005	34,008
Highway	108,823	46,580	42.8	1,680	10,855	168					1,255	480	378	140
Bridge and culvert	410,404	250,464	61.0	118,032						8,050	30,704			45,000
Grading	259,871	259,871	100.0	32,282							40,282			80,835
Street paving	16,547	16,547	100.0	1,001						2,440	600		3,428	1,711
Sewer, gas, water, conduit	164,630	148,630	90.1	50,720		3,622								381
Dam and reservoir	126,181	91,964	72.8	2,654		1,534								
Railroad	24,226	19,140	78.0								15,000			
Oil and natural-gas pipe line	79,507	79,507	100.0	53,385							14,600			
Subcontractors	11,500	11,500	100.0											
Subcontractors	3,593,447	3,095,291	87.0	66,084	40,801	11,804	112,716	1,166	36,276		120,839	8,069	7,207	846,901
Concreting	193,392	193,392	100.0	49,454	60	5,593					108,400	2,358		
Electrical	328,028	328,028	100.0											
Elevator construction	35,000	35,000	100.0											
Heating and plumbing	1,210,872	922,885	76.2	100	600						50			
Heating and piping	822,342	632,542	76.9	100	600						50			
Plumbing	324,530	190,343	58.7											
Automatic temperature control	64,000	64,000	100.0											
Masonry	56,280	56,280	100.0	1,724	39,907	2,000	3,500	600	252		2,020	4,600	60	200
Painting and decorating	78,720	78,720	100.0											
Glass and glazing	115,557	115,557	100.0											
Plastering and lathing	64,184	10,635	16.6	500								1,000	7,135	
Roofing and sheet-metal work	250,497	250,497	100.0	1,150			29,800	500			2,570			
Roofing	196,546	196,546	100.0	1,150			20,800	500			2,570			
Sheet-metal work	53,951	53,951	100.0											
Steel erection	913,193	913,193	100.0											846,701
Marble and tiling	234,216	127,596	54.5	2,376	94	4,301	79,416		36,024		3,682	50	82	
Excavating	58,617	58,617	100.0	10,780	140						4,027			
Street paving														
Metal work, n. e. s.	4,873	4,873	100.0											

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 shakos	Millwork	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.
COLORADO	\$201,894	\$4,161	\$68,267	\$9,492	\$57,464	\$494,001	\$12,330	\$291,416	\$37,803	\$12,585	\$45,933	\$225,924	\$275,222	\$14,068	\$3,969
Operative builders															
						7,901		1,737							
General contractors															
Building	169,750	3,558	68,267	0,035	22,910	465,450	11,830	289,079	13,203	6,660	44,290	24,481	28,315	14,068	3,969
Building not specialized	64,037	2,140	55,918	0,035	21,695	339,145	11,005	289,079	10,393	4,860	37,138	11,002	17,100	14,068	3,090
Commercial building only	63,394	2,146	55,218	0,035	21,695	296,295	10,045	284,399	9,893	4,860	35,710	10,212	10,220	14,068	3,090
Residential building only	1,243		700			11,850					251				
Highway	36,404	872				31,000	1,560	5,280	500		1,177		640		
Bridge and culvert	47,385		812			29,580					860				
Grading	1,713					32,447				1,735	3,092		1,780		
Street paving	300					8,181	225		150		1,500				
Sewer, gas, water, conduit	973	540				10,984			1,160		65		312		
Dam and reservoir	3,990					200					188				
Railroad	3,463					160									
Central station, light and power plant	10,585		11,537		1,215	4,230			1,500		147				879
Subcontractors	32,144	603		2,857	34,554	20,660	500		24,000	5,925	1,634	201,443	240,907		
Concreting	188					19,460					1,034				
Electrical															
Heating and plumbing					1,000	600				600	100		10,200		
Heating and piping					1,000								3,000		
Plumbing						600				600	100		13,200		
Masonry	200	503				300				200	300				
Painting and decorating												197			
Glass and glazing												84,489			
Plastering and lathing				2,000								115,557			
Roofing and sheet-metal work	200								24,000	5,200		1,200	230,707		
Roofing	200								24,000	5,200		1,200	177,956		
Sheet-metal work													52,751		
Steel erection	81,206	100			33,554										
Marble and tiling				857		100									
Excavating	350														
Street paving						200									

See footnotes at end of table.

CONSTRUCTION—COLORADO

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 ma-terials	Hard-ware, rough and finished	Paints, var-nishes, and glass	Roofing and sheet metal	Finish-ed floor-ing, n. e. s.	Screens, shades, awn-ings, etc.
DENVER	\$157, 213	\$2, 099	\$38, 740	\$3, 607	\$44, 634	\$229, 718	\$5, 417	\$182, 924	\$29, 027	\$9, 646	\$25, 495	\$205, 192	\$189, 278	\$6, 260	\$1, 250
Operative builders.....						7, 901		1, 737							
General contractors.....	125, 807	1, 406	38, 740	760	11, 080	202, 567	4, 917	181, 137	4, 427	4, 221	24, 261	9, 509	8, 571	6, 260	1, 250
Building.....	52, 340	926	37, 928	760	11, 080	155, 784	4, 917	181, 137	4, 427	2, 486	17, 993	6, 491	0, 470	6, 260	1, 250
Building not specialized.....	52, 340	926	37, 928	760	11, 080	132, 184	4, 357	180, 907	4, 427	2, 486	17, 489	5, 791	5, 630	6, 260	1, 250
Residential building only.....						23, 600	560	280			504	700	840		
Highway.....	30, 018					9, 200									
Bridge and culvert.....	34, 975		812			22, 738				1, 735	3, 014	1, 323	1, 789		
Grading.....	413					2, 981					1, 250				
Street paving.....						7, 484							312		
Sewer, gas, water, conduit.....	608	540									1, 857				
Dam and reservoir.....	3, 990					150									
Railroad.....	3, 463					4, 230					147				
Subcontractors.....	31, 406	603		2, 857	33, 554	19, 250	500		24, 600	5, 425	1, 234	196, 683	180, 707		
Concreting.....						18, 950					1, 034				
Electrical.....											200				
Masonry.....		503													
Painting and decorating.....															
Class and glazing.....															
Plastering and lathing.....				2, 000											
Roofing and sheet-metal work.....	200						500		24, 600	5, 200		1, 200	180, 707		
Roofing.....	200						500		24, 600	5, 200		1, 200	127, 956		
Sheet-metal work.....												1, 200	52, 751		
Steel erection.....	31, 206	100			33, 554										
Marble and tiling.....				867											
Street paving.....						100				25					

CLASSIFICATION OF ESTABLISHMENTS	Heating and ven-tilating equipment	Plumbing and gas fitting equipment	Electrical appliances and sup-plies	Elevators, 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 materials	Wood piling and timber	Machin-ery	Freight, haul-ing or truck-ing to job	Metal prod-ucts n. e. s.	Mis-collane-ous
COLORADO	\$655, 188	\$521, 723	\$388, 751	\$39, 708	\$76, 209	\$227, 174	\$13, 787	\$117, 015	\$3, 200	\$742, 600	\$10, 053	\$5, 794	\$68, 450
General contractors.....	11, 612	21, 186	46, 731	4, 706	69, 675	167, 504	13, 112	99, 975	3, 200	742, 600	10, 053	921	46, 728
Building.....	5, 330	7, 551	4, 471	4, 706	480		200				120		10, 174
Building not specialized.....	4, 250	4, 401	3, 561	4, 706	480		200				120		10, 174
Residential building only.....	1, 080	3, 150	910										
Highway.....					21, 086	3, 817	10, 862						8, 403
Bridge and culvert.....			1, 674		2, 513		550	12, 460	3, 200			921	4, 318
Grading.....					7, 841		6, 300						
Street paving.....	1, 800	4, 300	1, 065			10, 757	1, 500						
Sewer, gas, water, conduit.....		9, 335	151		25, 866	19, 541		37, 189			9, 933		2, 528
Railroad.....					3, 781								9, 445
Central station, light and power plant.....	4, 482		39, 370		7, 508	127, 089				742, 600			
Oil and natural-gas pipe line.....													11, 500
Subcontractors.....	643, 556	500, 537	342, 020	35, 000	6, 534	59, 670	675	47, 040				4, 873	19, 722
Concreting.....													9, 285
Electrical.....			342, 020			18, 400							
Elevator construction.....				35, 000									
Heating and plumbing.....	643, 556	500, 237			4, 784	40, 970							8, 406
Heating and piping.....	467, 966	184, 291			2, 165	26, 600							
Plumbing.....	111, 590	315, 946			2, 619	14, 370							8, 406
Automatic temperature control.....	64, 000												
Masonry.....													410
Roofing and sheet-metal work.....													
Roofing.....								4, 070					
Steel erection.....						300		4, 070					1, 332
Marble and tiling.....		300											289
Excavating.....					1, 250			675					
Street paving.....					600			42, 970					
Metal work, n. e. s.....												4, 873	
DENVER	\$61, 888	\$85, 899	\$15, 428	\$8, 000	\$28, 546	\$3, 861	\$3, 610	\$7, 312	\$3, 200			\$5, 794	\$40, 187
General contractors.....	5, 780	13, 335	6, 000	3, 000	25, 881	13, 561	3, 610	50, 272	3, 200			921	30, 703
Building.....	3, 980	5, 150	3, 110	3, 000	180								5, 440
Building not specialized.....	2, 900	2, 096	2, 200	3, 000	180								5, 440
Residential building only.....	1, 080	3, 150	910										
Highway.....													
Bridge and culvert.....			1, 674		2, 513		2, 410						
Grading.....					4, 541		1, 200						
Street paving.....	1, 800	4, 300	1, 065					37, 812					
Sewer, gas, water, conduit.....		8, 885	151		14, 866	18, 561							9, 445
Railroad.....					3, 781								
Oil and natural-gas pipe line.....													11, 500
Subcontractors.....	546, 108	347, 564	309, 428	35, 000	2, 065	45, 300		47, 040				4, 873	9, 484
Concreting.....													7, 453
Electrical.....			309, 428			18, 400							
Elevator construction.....				35, 000									
Heating and plumbing.....	546, 108	347, 264			2, 165	26, 600							
Heating and piping.....	457, 466	175, 561			2, 165	26, 600							
Plumbing.....	24, 640	171, 703											
Automatic temperature control.....	64, 000												
Masonry.....													410
Roofing and sheet-metal work.....													
Roofing.....								4, 070					
Steel erection.....						300		4, 070					1, 332
Marble and tiling.....		300											289
Excavating.....													
Street paving.....					500			42, 970					
Metal work, n. e. s.....												4, 873	

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. 268.

³ Includes plumbing and heating combined, \$220,606.

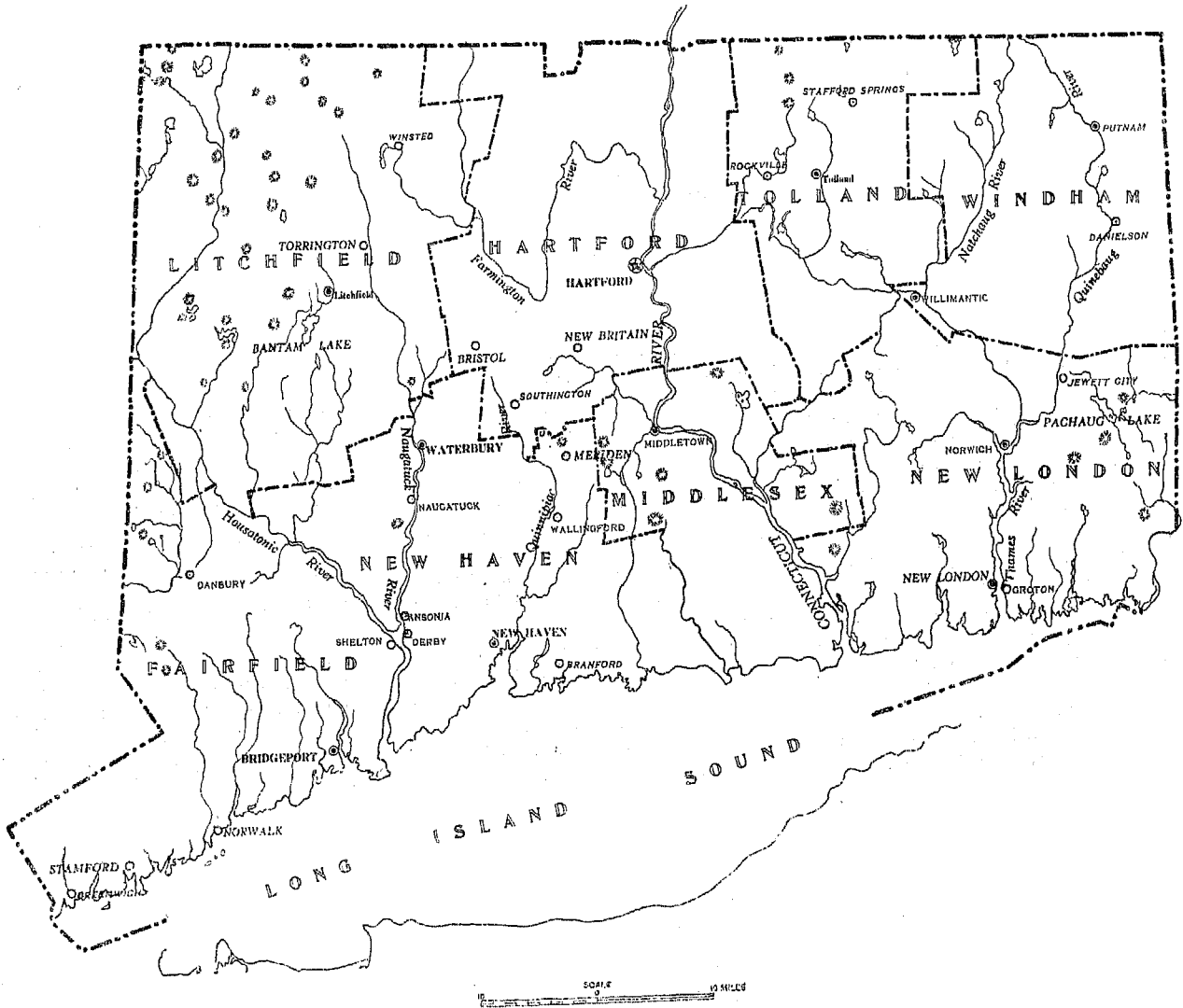
⁴ Includes the reported cost of mineral products (nonmetallic) n. e. s., and miscellaneous, n. e. s. For total cost of these items see Table 9.

CONNECTICUT

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CONNECTICUT



CONSTRUCTION—CONNECTICUT

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
CONNECTICUT	804	\$109, 110	\$87, 343	\$21, 767	\$20, 328	\$31, 111	\$35, 083	BRIDGEPORT	82	\$12, 504	\$9, 849	\$2, 744	\$2, 276	\$3, 045	\$4, 254
<i>Counties and principal cities</i>								<i>Classification of establishments</i>							
Counties:								General contractors 3	36	8, 562	8, 554	8	2, 147	2, 368	2, 457
Fairfield	260	32, 024	25, 410	6, 603	6, 233	9, 654	10, 128	Building	29	7, 219	7, 215	4	2, 125	1, 932	2, 219
Hartford	193	29, 954	22, 414	7, 540	6, 097	7, 482	9, 452	Building, not specialized 4	21	6, 898	6, 894	4	2, 007	1, 882	2, 106
Litchfield	44	4, 645	3, 810	735	540	1, 383	1, 568	Residential building only	8	321	321		118	50	113
Middlesex	24	2, 801	2, 486	315	154	882	956	Other classes 6	7	1, 343	1, 339	4	22	436	239
New Haven	226	35, 290	29, 302	5, 988	5, 883	10, 355	11, 172	Subcontractors	46	4, 031	1, 295	2, 736	129	1, 277	1, 797
New London	38	3, 261	2, 888	373	420	666	1, 247	Concrete and masonry	3	156	74	81	6	44	62
Tolland	3	132	99	33	7	37	68	Electrical	6	545	299	246		165	234
Windham	10	1, 102	927	175	92	352	484	Heating and plumbing	20	1, 622	640	976	21	384	593
Principal cities: 1								Heating and piping	4	627	22	605	2	153	351
Bridgeport	82	12, 504	9, 849	2, 744	2, 276	3, 045	4, 254	Plumbing	10	581	356	225	15	125	321
Hartford	109	20, 251	14, 389	5, 862	5, 280	5, 026	6, 226	Plumbing and heating combined	6	414	208	140	4	106	222
New Haven	103	16, 101	12, 483	3, 618	2, 818	4, 624	4, 807	Painting and decorating	4	312	92	220		197	74
<i>Classification of establishments</i>								Plastering and lathing	3	440	78	371	59	236	117
Operative builders	20	1, 570	1, 570		750	252	398	Roofing and sheet metal work	4	370	18	358	38	59	217
General contractors	384	75, 260	74, 645	715	18, 055	21, 393	20, 611	Steel erection, elevator construction, and ornamental iron work	4						
Building	309	51, 691	51, 601	190	17, 547	13, 494	13, 995	Other classes 6	3	385	88	298	5	121	112
Building, not specialized	181	30, 367	30, 178	189	13, 291	10, 607	10, 304	Size of business groups	3	180		180		71	87
Commercial building only	12	1, 967	1, 966	1	849	431	445	General contractors 3	36	8, 562	8, 554	8	2, 147	2, 368	2, 457
Manufacturing building only	3	906	906		367	174	205	\$25,000 to \$49,999	11	387	382	5	143	65	122
Residential building only	113	9, 451	9, 451		3, 040	2, 283	2, 952	\$50,000 to \$99,999	8	614	614		145	160	191
Highway	25	15, 254	15, 145	379	765	5, 205	4, 123	\$100,000 to \$199,999	4	610	607	3	132	170	180
Bridge, culvert, and railroad	5	1, 535	1, 534	1	14	470	695	\$200,000 to \$499,999	9	2, 891	2, 891		692	865	903
Grading	11	927	889	38	405	129	123	\$500,000 to \$999,999	2	1, 302	1, 302		292	390	507
Street paving	12	1, 768	1, 750	0	42	548	582	\$1,000,000 and over	2	2, 769	2, 769		743	718	855
Sewer, gas, water, conduit	6	479	477	2	15	177	122	Building contractors 3	20	7, 219	7, 215	4	2, 125	1, 933	2, 219
Dam, reservoir, waterworks	3	1, 107	1, 107		6	343	383	\$25,000 to \$49,999	10	341	340	1	143	48	105
Dredging, river, harbor, etc.	6	1, 177	1, 141	36	207	351	222	\$50,000 to \$99,999	6	460	460		145	99	165
Foundation	7	1, 052	992	60	69	368	340	\$100,000 to \$199,999	4	610	607	3	132	170	180
Subcontractors	400	32, 280	11, 228	21, 052	921	9, 496	14, 073	\$200,000 to \$499,999	5	1, 747	1, 747		670	598	407
Carpentry and wood flooring	8	349	117	232	19	100	154	\$500,000 to \$999,999	2	1, 302	1, 302		292	390	507
Concrete	16	1, 290	429	861	11	510	517	\$1,000,000 and over	2	2, 769	2, 769		743	718	855
Electrical	46	3, 102	1, 255	1, 847	1	925	1, 364	Subcontractors	40	4, 031	1, 295	2, 736	129	1, 277	1, 797
Elevator construction	3	671	310	261	83	106	172	\$25,000 to \$49,999	16	591	343	248	6	205	243
Heating and plumbing	189	15, 354	5, 877	9, 477	442	3, 762	7, 808	\$50,000 to \$99,999	17	1, 189	430	753	43	322	555
Heating and pipe covering	54	6, 767	2, 243	4, 524	371	1, 464	3, 520	\$100,000 to \$199,999	9	1, 120	242	878	44	392	535
Plumbing, and automatic sprinkler systems	83	5, 269	1, 976	3, 293	52	1, 399	2, 617	\$200,000 to \$499,999	4	1, 131	274	857	30	358	404
Plumbing and heating combined	52	3, 319	1, 658	1, 661	19	809	1, 731	\$500,000 to \$999,999							
Masonry	16	741	255	486	27	313	243	\$1,000,000 and over							
Painting and decorating	34	1, 053	859	1, 094		1, 085	405	HARTFORD	109	20, 261	14, 389	5, 862	5, 280	5, 026	6, 226
Plastering and lathing	10	695	92	603	65	548	277	<i>Classification of establishments</i>							
Roofing and sheet metal work	33	2, 392	582	1, 810	175	504	1, 092	General contractors 3	42	13, 461	13, 356	95	4, 050	3, 132	3, 272
Roofing	24	1, 795	581	1, 214	152	430	787	Building	34	10, 013	9, 992	20	4, 519	2, 107	2, 419
Sheet metal work 2	9	697	1	696	23	134	305	Building, not specialized 3	22	7, 973	7, 952	20	3, 660	1, 654	1, 642
Steel erection	4	1, 644	1, 248	296		237	718	Commercial building only	4	1, 122	1, 122		519	229	240
Stone work	4	1, 110		1, 110	11	574	156	Residential building only	8	918	918		340	224	236
Marble and tiling	16	1, 112		1, 112	48	302	507	Highway	4	2, 491	2, 410	75	431	704	461
Wrecking	4	204		204	5	79		Other classes 7	4	947	947		261	393	393
Excavating	5	495	167	328	5	155	72	Subcontractors	67	6, 799	1, 032	5, 767	330	1, 394	2, 054
Ornamental iron and metal work, n. e. s.	8	883	13	870	34	161	501	Concrete and masonry	5	282	166	116	2	106	104
Grading	4	183	24	159		75	30	Electrical	7	631	57	574		174	278
<i>Size of business groups</i>								Heating and plumbing	26	3, 250	520	2, 730	128	769	1, 700
General contractors 3	404	76, 836	76, 115	715	19, 405	21, 615	21, 099	Heating and pipe covering	14	2, 067	395	1, 672	118	406	1, 113
\$25,000 to \$49,999	121	4, 378	4, 296	82	1, 100	1, 149	1, 392	Plumbing 1	12	1, 183	126	1, 058	10	363	687
\$50,000 to \$99,999	118	8, 393	8, 288	105	2, 233	2, 205	2, 429	Painting and decorating, and plastering and lathing	7	616	78	538		360	127
\$100,000 to \$199,999	74	10, 556	10, 439	117	2, 340	3, 206	3, 130	Roofing and sheet metal work	10	868	163	705	94	202	373
\$200,000 to \$499,999	53	16, 693	16, 689	4	4, 258	4, 675	4, 280	Roofing	6	555	163	392	71	117	242
\$500,000 to \$999,999	26	17, 951	17, 860	91	5, 473	4, 490	4, 490	Sheet metal work 2	4	313		313	23	85	181
\$1,000,000 and over	12	18, 859	18, 643	316	3, 951	5, 003	5, 270	Marble and tiling	5	398		398	38	92	177
Building contractors 3	329	58, 262	53, 071	100	18, 297	13, 747	14, 392	Other classes 5	7	753	40	704	68	191	194
\$25,000 to \$49,999	111	4, 026	3, 950	76	1, 092	1, 019	1, 301	<i>Size of business groups</i>							
\$50,000 to \$99,999	100	7, 035	7, 022	13	2, 228	1, 684	2, 093	General contractors 3	42	13, 451	13, 356	95	4, 050	3, 132	3, 272
\$100,000 to \$199,999	67	8, 092	8, 019	73	2, 292	2, 339	2, 483	\$25,000 to \$49,999	4	183	183		83	25	45
\$200,000 to \$499,999	35	11, 230	11, 228	2	4, 082	3, 013	3, 825	\$50,000 to \$99,999	8	510	510		214	81	100
\$500,000 to \$999,999	17	11, 185	11, 180	5	4, 999	2, 500	2, 580	\$100,000 to \$199,999	12	1, 724	1, 704	20	511	455	448
\$1,000,000 and over	9	11, 693	11, 672	21	3, 904	3, 132	3, 119	\$200,000 to \$499,999	9	2, 008	2, 008		766	693	931
Subcontractors	400	32, 280	11, 228	21, 052	921	9, 496	14, 073	\$500,000 to \$999,999	6	4, 418	4, 343	75	1, 826	1, 025	684
\$25,000 to \$49,999	193	7, 020	2, 926	4, 094	81	2, 151	2, 944	\$1,000,000 and over	3	3, 701	3, 701		1, 550	847	1, 064
\$50,000 to \$99,999	120	8, 207	2, 815	5, 392	180	2, 535	3, 525								
\$100,000 to \$199,999	54	7, 826	2, 108	5, 218	158	2, 264	3, 353								
\$200,000 to \$499,999	25	7, 174	1, 672	5, 602	403	1, 939	3, 109								
\$500,000 to \$999,999	2	1, 354	608	746	39										

CONSTRUCTION—CONNECTICUT

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 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	
HARTFORD—Continued							NEW HAVEN—Continued									
General contractors—Con.							Subcontractors—Continued.									
Building contractors ¹	34	\$10,013	\$9,993	\$20	\$4,519	\$2,108	\$2,419	Painting and decorating.....	3	\$413	\$250	\$163	-----	\$208	\$79	
\$25,000 to \$49,999.....	4	183	183	-----	83	25	45	Roofing and sheet metal work.....	8	497	195	272	-----	\$30	132	185
\$50,000 to \$99,999.....	8	516	516	-----	214	81	100	Steel erection, elevator construction, ornamental iron and metal work n. e. s.....	5	453	271	182	-----	48	104	163
\$100,000 to \$199,999.....	10	1,441	1,421	20	511	349	358	Stone work.....	3	1,077	-----	1,077	-----	11	555	146
\$200,000 to \$499,999.....	6	1,548	1,548	-----	606	336	473	Marble and tiling.....	4	279	-----	279	-----	-----	71	134
\$500,000 to \$999,999.....	4	2,624	2,624	-----	1,495	470	379	Other classes ¹²	5	347	204	142	-----	10	125	107
\$1,000,000 and over.....	3	3,701	3,701	-----	1,550	847	1,004	Size of business groups								
Subcontractors.....	67	6,799	1,032	5,767	330	1,894	2,954	General contractors.....	42	10,869	10,572	297	2,666	2,873	2,807	
\$25,000 to \$49,999.....	28	1,051	361	690	13	326	335	\$25,000 to \$49,999.....	6	234	234	-----	47	70	85	
\$50,000 to \$99,999.....	14	966	176	790	36	292	421	\$50,000 to \$99,999.....	14	1,053	1,048	5	228	285	337	
\$100,000 to \$199,999.....	15	2,041	274	1,767	61	630	933	\$100,000 to \$199,999.....	9	1,215	1,194	21	209	296	407	
\$200,000 to \$499,999.....	10	2,740	222	2,518	220	646	1,214	\$200,000 to \$499,999.....	6	1,938	1,938	-----	627	443	502	
\$500,000 to \$999,999.....	-----	-----	-----	-----	-----	-----	-----	\$500,000 to \$999,999.....	5	4,007	4,007	-----	1,057	1,071	1,068	
\$1,000,000 and over.....	-----	-----	-----	-----	-----	-----	-----	\$1,000,000 and over.....	2	2,422	2,151	271	438	708	498	
NEW HAVEN	103	16,101	12,483	3,618	2,818	4,624	4,807	Building contractors.....	30	6,713	6,689	24	2,633	1,562	1,520	
Classification of establishments							Building contractors									
General contractors.....	42	10,869	10,572	297	2,666	2,873	2,897	\$25,000 to \$49,999.....	6	234	234	-----	47	70	85	
Building.....	30	6,713	6,689	24	2,633	1,668	1,520	\$50,000 to \$99,999.....	9	679	676	3	221	160	226	
Building not specialized ¹⁰	24	6,238	6,214	24	2,484	1,470	1,347	\$100,000 to \$199,999.....	6	802	781	21	269	191	233	
Residential building only.....	6	475	475	-----	149	93	173	\$200,000 to \$499,999.....	5	1,646	1,646	-----	601	349	433	
Highway and street paving.....	4	1,997	1,726	271	26	630	593	\$500,000 to \$999,999.....	3	2,323	2,323	-----	1,057	564	366	
Bridge, culvert, and railroad.....	3	1,026	1,026	-----	6	327	454	\$1,000,000 and over.....	1	1,029	1,029	-----	438	228	98	
Other classes ¹¹	5	1,133	1,131	2	1	353	330	Subcontractors.....	61	5,232	1,011	3,321	152	1,751	1,910	
Subcontractors.....	61	5,232	1,911	3,321	152	1,751	1,910	\$25,000 to \$49,999.....	28	921	454	467	3	236	426	
Electrical.....	11	650	321	329	-----	191	208	\$50,000 to \$99,999.....	17	1,179	277	902	98	316	516	
Heating and plumbing.....	22	1,546	671	874	44	306	799	\$100,000 to \$199,999.....	11	1,638	614	1,024	43	500	654	
Heating and piping.....	8	797	273	524	18	196	413	\$200,000 to \$499,999.....	4	680	566	414	38	393	211	
Plumbing and automatic sprinkler systems.....	9	511	194	317	20	103	268	\$500,000 to \$999,999.....	1	514	-----	514	-----	267	105	
Plumbing and heating combined.....	5	237	204	33	6	66	118	\$1,000,000 and over.....	-----	-----	-----	-----	-----	-----	-----	

¹ Data for cities are also included in the figures for the respective counties.² Includes roofing and sheet metal work combined.³ Includes operative builders.⁴ Includes operative builders and establishments reporting manufacturing building only.⁵ Includes highway; grading; sewer, gas, water, and conduit; dredging, river and harbor, etc.; and foundation.⁶ Includes carpentry and wood flooring; and marble and tiling.⁷ Includes street paving; sewer, gas, water and conduit; and foundation.⁸ Includes plumbing and heating combined.⁹ Includes carpentry; elevator construction; wrecking; excavating; and ornamental iron work.¹⁰ Includes establishments reporting commercial or manufacturing building only.¹¹ Includes grading; sewer, gas, water, and conduit; dam and reservoir; and dredging, river and harbor, etc.¹² Includes carpentry; concreting; wrecking; and grading.

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						
CONNECTICUT																			
All construction business	804	\$100,109,563	404	\$76,829,851	400	\$32,279,712	All construction business	82	\$12,593,518	36	\$8,561,038	46	\$4,031,480						
Distribution not reported	17	1,495,202	1	35,920	16	1,459,342	Distribution not reported	2	195,221	2	---	2	195,221						
Distributed by class of ownership	787	107,614,301	403	76,793,931	384	30,820,370	Distributed by class of ownership	80	12,398,297	30	8,561,038	44	3,836,359						
Private construction	763	77,614,530	385	51,812,553	373	25,801,977	Private construction	78	10,409,869	34	6,996,305	44	3,413,604						
Quasi-public construction	160	9,030,293	68	5,778,371	101	3,260,922	Quasi-public construction	21	628,219	7	354,345	14	273,874						
Public construction	215	25,969,478	107	19,203,007	105	1,757,471	Public construction	25	1,360,200	10	1,211,288	15	148,921						
Distribution not reported	7	1,017,439	2	934,590	5	82,849	Distribution not reported	3	43,916	3	---	3	43,916						
Distributed by class of public ownership	208	19,943,030	105	18,268,417	103	1,674,622	Distributed by class of public ownership	22	1,316,293	10	1,211,288	12	105,005						
Federal	11	286,502	4	212,122	7	74,380	Federal	3	36,810	1	(?)	2	(?)						
State	67	11,458,272	40	11,135,704	27	322,568	State	6	363,167	3	342,042	3	20,225						
County or township	66	2,761,537	38	2,432,017	23	329,520	County or township	9	327,146	6	318,261	3	8,885						
Municipal	137	5,436,728	65	4,488,574	72	948,154	Municipal	14	589,170	7	532,125	7	57,046						
All business under general contract or directly for owners	612	87,342,797	404	70,115,255	208	11,227,542	All business under general contract or directly for owners	63	9,840,413	35	8,553,979	28	1,295,434						
Building	549	63,651,882	348	53,161,493	201	10,400,384	Building	50	8,140,134	30	6,930,259	20	1,209,875						
Distribution not reported	36	2,270,570	15	1,069,535	21	1,201,035	Distribution not reported	6	230,220	1	73,326	5	156,903						
Distributed by class of building	513	61,381,812	333	52,091,063	180	9,280,340	Distributed by class of building	50	7,909,905	29	6,856,033	21	1,052,972						
Commercial	171	11,093,072	105	10,009,409	69	1,083,003	Commercial	20	2,064,989	10	1,966,280	10	93,700						
Educational	101	6,440,811	56	6,063,080	45	389,725	Educational	11	820,045	5	767,680	6	152,366						
Hotel	25	412,858	7	289,466	18	123,392	Hotel	6	181,839	2	(?)	4	(?)						
Hospital and institutional	46	2,650,522	19	2,356,199	27	204,353	Hospital and institutional	6	181,839	2	(?)	4	(?)						
Manufacturing	107	7,075,875	57	4,997,219	50	2,078,050	Manufacturing	21	1,984,082	8	1,680,026	13	304,056						
Military and naval	3	52,018	1	(?)	2	(?)	Military and naval	1	18,309	1	(?)	1	(?)						
Public: Courts, jails, etc.	38	436,062	17	416,006	21	39,757	Public: Courts, jails, etc.	4	13,906	1	(?)	3	(?)						
Religious and memorial	87	1,589,253	50	1,475,665	37	113,688	Religious and memorial	9	262,407	6	253,596	3	8,811						
Residential	446	20,717,170	290	22,549,795	156	4,167,375	Residential	41	2,234,202	23	1,782,506	18	451,096						
Social and recreational	51	2,088,570	23	1,899,824	23	188,762	Social and recreational	7	154,442	3	141,999	4	12,443						
Air transport	13	842,204	9	834,311	4	7,893	Air transport	4	27,677	4	27,677	1	(?)						
Rail and water transportation	6	279,054	4	(?)	2	(?)	Miscellaneous ²	13	166,826	8	63,758	5	103,068						
Miscellaneous	97	1,693,337	60	949,862	37	743,485	Highway and street	5	698,666	4	(?)	1	(?)						
Highway and street	6	10,013,550	59	15,715,523	7	298,027	Public works and utilities	7	899,178	5	(?)	2	(?)						
Water power development	3	64,433	3	64,433	1	(?)	Central station, light and power plant	4	400,673	3	(?)	1	(?)						
Railroad and car line	4	882,631	3	(?)	1	(?)	Dock, pier, etc. ³	3	167,402	3	167,402	1	(?)						
Public works and utilities	71	5,800,503	56	5,136,024	15	230,479	Miscellaneous ⁴	4	235,103	3	(?)	1	(?)						
Bridge, tunnel, etc.	18	1,162,293	17	(?)	1	(?)	Air transport work	1	111,445	2	(?)	2	(?)						
Central station, light and power plant	18	1,026,464	7	973,164	6	53,300	Miscellaneous ⁵	4	(?)	2	(?)	2	(?)						
Dock, pier, etc.	16	991,235	14	(?)	2	(?)	All business under subcontract	40	2,744,105	3	7,959	37	2,736,146						
Park, grounds, etc.	13	214,091	10	183,064	3	31,027	Distribution not reported	1	83,590	1	---	1	83,590						
River and harbor improvement ²	5	169,918	5	169,918	---	---	Distributed by class of work	39	2,660,515	3	7,959	36	2,652,556						
Sewage disposal and drainage	20	841,268	25	\$15,645	4	25,723	Concrete	3	90,497	---	---	3	90,497						
Water supply	14	996,849	12	(?)	2	(?)	Electrical	5	246,189	---	---	5	246,189						
Miscellaneous	6	23,785	5	(?)	1	(?)	Heating and plumbing	25	730,045	---	---	25	730,045						
Air transport work	4	150,813	3	(?)	1	(?)	Heating and piping	8	340,506	---	---	8	340,506						
Miscellaneous	34	1,212,985	26	1,005,655	0	207,330	Pipe covering	4	9,590	---	---	4	9,590						
All business under subcontract	374	21,766,765	41	714,590	333	21,052,169	Plumbing	10	383,931	---	---	10	383,931						
Distribution not reported	9	486,153	---	---	9	486,153	Plumbing and heating combined	3	46,018	---	---	3	46,018						
Distributed by class of work	365	21,280,612	41	714,596	324	20,566,016	Masonry and stonework	4	76,832	---	---	4	76,832						
Carpentry and wood flooring	18	206,426	13	64,183	5	232,243	Painting and decorating	4	220,392	---	---	4	220,392						
Concreting	28	864,771	5	16,476	23	848,295	Plastering and lathing	4	242,166	---	---	4	242,166						
Electrical	42	1,887,862	---	---	42	1,887,862	Roofing and sheet metal work	13	472,066	---	---	13	472,066						
Elevator construction ⁴	3	681,174	---	---	3	681,174	Roofing	4	225,170	---	---	4	225,170						
Heating and plumbing	264	3,711,761	1	(?)	263	(?)	Sheet metal work	9	246,896	---	---	9	246,896						
Heating and piping	104	3,795,500	1	(?)	103	(?)	Steel erection and ornamental ironwork	3	299,656	1	(?)	2	(?)						
Pipe covering	27	309,864	---	---	27	309,864	Marble and tiling	3	116,770	---	---	3	116,770						
Plumbing	105	3,446,033	---	---	105	3,446,033	Excavating and foundation	3	19,363	1	(?)	2	(?)						
Plumbing and heating combined	25	1,133,900	---	---	25	1,133,900	Miscellaneous ⁵	3	96,540	1	(?)	2	(?)						
Automatic sprinkler systems	8	26,374	---	---	8	26,374	HARTFORD												
Masonry	36	501,613	15	85,740	21	415,873	All construction business	109	20,260,517	42	13,451,414	67	6,799,103						
Painting and decorating	30	1,083,694	1	(?)	29	(?)	Distribution not reported	8	624,207	---	---	8	624,207						
Glass and glazing	4	4,335	2	(?)	2	(?)	Distributed by class of ownership	101	19,626,310	42	13,451,414	59	6,174,899						
Plastering and lathing	26	783,743	7	15,643	18	768,100	Private construction	96	13,174,637	38	8,560,105	57	4,614,532						
Roofing and sheet metal work	106	2,229,545	2	(?)	104	(?)	Quasi-public construction	24	2,023,111	8	922,645	16	1,100,466						
Roofing	35	1,167,115	2	(?)	33	(?)	Public construction	35	4,428,562	13	3,968,664	22	456,898						
Sheet metal work	69	1,062,430	---	---	69	1,062,430	Distribution not reported	2	936,050	1	906,000	1	30,050						
Roofing and sheet metal combined	2	---	---	---	2	---	Distributed by class of public ownership	33	3,492,512	12	3,062,664	21	429,848						
Steel erection	7	257,300	1	(?)	6	(?)	Federal	3	84,298	---	---	3	84,298						
Stone work	15	1,100,180	5	7,602	10	1,152,494	State	13	1,804,018	5	1,707,003	8	96,115						
Marble and tiling	21	1,126,878	1	(?)	20	(?)	County or township	7	547,021	4	536,016	3	11,605						
Wrecking	5	203,661	1	(?)	4	(?)	Municipal	24	1,080,575	7	818,746	17	297,830						
Excavating	34	723,950	15	358,474	19	365,476													
Ornamental ironwork	10	417,931	1	(?)	9	(?)													
Grading	8	181,794	2	(?)	6	(?)													
Miscellaneous ⁴	7	164,090	5	(?)	2	(?)													

See footnotes at end of table.

CONSTRUCTION—CONNECTICUT

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
HARTFORD—Continued						NEW HAVEN—Continued							
All business under general contract or directly for owners	64	\$14,388,700	42	\$13,356,414	22	\$1,032,376	All business under general contract or directly for owners	73	\$12,483,127	41	\$10,571,747	32	\$1,911,380
Building	57	10,980,191	35	10,113,064	22	867,127	Building	65	8,347,276	34	6,557,923	31	1,780,353
Distribution not reported	7	194,995	1	160,833	1	34,162	Distribution not reported	6	380,665	1	42,800	5	397,865
Distributed by class	55	10,785,196	34	9,952,231	21	832,965	Distributed by class of building	59	7,968,611	33	6,515,123	26	1,451,488
Commercial	26	2,716,460	16	2,594,267	10	122,193	Commercial	28	1,537,574	16	1,000,623	12	530,051
Educational	16	1,409,402	9	1,294,781	7	114,621	Educational	22	2,067,569	12	2,017,998	10	49,571
Hotel	5	45,027	1	(?)	4	(?)	Hotel	3	235,843	2	(?)	1	(?)
Hospital and institutional	7	404,357	3	390,530	4	13,827	Hospital and institutional	9	791,082	7	702,802	10	232,626
Manufacturing	15	944,651	10	841,247	5	103,404	Manufacturing	17	935,118	3	(?)	2	(?)
Military and naval	1	190,272	3	181,191	3	20,081	Public: Courts, jails, etc	5	90,028	3	(?)	2	(?)
Public: Courts, jails, etc	8	365,603	5	316,681	3	48,922	Religious and memorial	17	217,218	8	106,432	9	20,786
Religious and memorial	42	2,604,149	27	2,362,961	15	243,188	Residential	47	1,725,467	23	1,278,886	24	446,601
Residential	5	1,093,108	3	(?)	2	(?)	Social and recreational	5	201,078	3	(?)	2	(?)
Social and recreational	4	782,796	3	(?)	1	(?)	Air transport	2	87,035	1	(?)	1	(?)
Air transport	13	227,371	5	98,849	8	128,522	Rail and water transportation	2	96,979	8	60,031	4	36,948
Miscellaneous	8	3,173,454	7	(?)	1	(?)	Miscellaneous	12	1,205,064	8	(?)	2	(?)
Highway and street	5	235,145	2	201,396	3	33,740	Highway and street	10	1,980,515	4	(?)	1	(?)
Public works and utilities ¹⁰	2						Public works and utilities	15	1,980,515	8	(?)	1	(?)
Miscellaneous	2						Bridge, tunnel, etc	5	282,209	5	282,209		
All business under subcontract	59	5,861,727	2	95,000	57	5,766,727	Central station, light and power plant	3	481,632	2	(?)	1	(?)
Concreting	4	160,911			4	160,911	Dock, pier, retaining wall, etc. ¹²	5	203,577	5	203,577		
Electrical	7	609,228			7	609,228	Sewage disposal and drainage	6	120,311	6	120,311		
Heating and plumbing	32	2,639,234			32	2,639,234	Water supply	3	764,085	3	764,085		
Heating and piping	18	1,449,167			18	1,449,167	Miscellaneous ¹³	4	117,701	4	117,701		
Pipe covering	3	263,800			3	263,800	Miscellaneous ¹⁴	6	961,272	6	961,272		
Plumbing	11	926,277			11	926,277	All business under subcontract	52	3,617,806	5	297,188	47	3,320,618
Painting and decorating	4	538,641			4	538,641	Carpentry	3	76,220	2	(?)	1	(?)
Pastoring and lathing	2	761,181			2	761,181	Electrical	10	329,490			10	329,490
Roofing and sheet metal work	13	646,348			13	646,348	Heating and plumbing	33	846,164			32	(?)
Roofing	6	446,348			6	446,348	Heating and piping	15	440,706			14	(?)
Sheet metal work	5	314,833			5	314,833	Pipe covering	2				2	
Roofing and sheet metal combined	2	307,038			2	307,038	Plumbing	15				15	405,458
Marble and tiling	4	231,042			4	231,042	Automatic sprinkler systems	4	1,077,016			4	1,077,016
Excavating	4	522,952			4	522,952	Masonry and stonework	1	163,179			1	(?)
Miscellaneous ¹¹	5				5		Painting and decorating	2	307,084			2	(?)
							Glass and glazing	18	149,811			17	(?)
							Roofing and sheet metal work	6	157,273			5	(?)
							Roofing	12	157,273			12	157,273
							Sheet metal work						
							Steel erection, ornamental iron and metal work, n. e. s.	7	185,654			6	(?)
							Marble and tiling	1	279,766			4	(?)
							Wrecking, excavating, and grading	5	353,218			3	(?)
NEW HAVEN													
All construction business	103	16,100,934	42	10,808,935	61	5,231,999							
Distribution not reported	2	163,045			2	163,045							
Distributed by class of ownership	101	15,937,889	42	10,808,935	59	5,088,954							
Private construction	98	10,951,067	41	7,223,596	57	3,728,071							
Quasi-public construction	28	2,862,031	10	1,920,816	18	932,816							
Public construction	33	2,123,601	16	1,715,624	17	408,067							
Federal	1	558,600			1	541,803							
State	7	576,137			4	15,857							
County or township	11	988,794			7	328,637							
Municipal	24				12	845,184							

¹ Includes operative builders.
² Value omitted in order to avoid revealing individual operations. The amounts omitted are, however, included in the respective totals.
³ Includes one general contracting establishment engaged in flood control, irrigation, and land drainage.
⁴ Includes one subcontracting establishment engaged in miscellaneous metal work.
⁵ Includes general contract: Highway, 1; dredging, river and harbor, etc., 2; foundation, 1; rental of equipment, etc., 1. Subcontract: Street paving, 1; miscellaneous unclassified, 1.
⁶ Includes general contract: Hotel, 1; rail and water transportation building, 1. Subcontract: Hotel, 1.
⁷ Includes one general contracting establishment engaged in dredging, river and harbor improvements, etc.
⁸ Includes general contract: Bridge, tunnel, etc., 1; sewage disposal and drainage, 2. Subcontract: Park, grounds, etc., 1.
⁹ Includes general contract: Carpentry, 1. Subcontract: Carpentry, 1; miscellaneous unclassified, 1.
¹⁰ Includes general contract: Sewage disposal and drainage, 1; water supply, 1. Subcontract: Central station, light and power plant, 1; park, grounds, etc., 1; sewage disposal and drainage, 1.
¹¹ Includes general contract: Rental of equipment, etc., 1. Subcontract: Elevator construction, 1; wrecking, 2; ornamental iron work, 1.
¹² Includes river and harbor improvement work by one general contracting establishment.
¹³ Includes work on parks and grounds by two general contracting establishments.
¹⁴ Includes general contract: Water power development, 1; railroad and car line, 2; air transport work, 1; miscellaneous unclassified, 2.

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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
CONNECTICUT						BRIDGEPORT—Continued					
Operative builders	19	1,390,349	1,307,899	1,390,349		Subcontractors—Continued.					
General contractors	376	71,911,934	42,362,623	61,385,778	10,526,150	Painting and decorating	4	\$312,424	\$240,579	\$312,424	
Building	303	49,818,006	36,624,004	48,540,215	1,277,701	Plastering	3	448,664	207,545	419,664	\$29,000
Building, not specialized ¹	180	38,774,637	27,202,155	37,926,270	848,307	Roofing and sheet metal work	4	376,232	183,000	350,552	25,680
Commercial building only	12	1,067,320	1,842,320	1,842,320	125,000	Elevator construction, and steel erection	2	273,711	71,316	221,265	52,446
Residential building only	111	9,076,049	7,570,529	8,771,625	304,424	Other classes ⁶	3	185,678	109,102	185,672	
Highway	23	14,049,849	2,022,735	6,633,542	7,416,307	HARTFORD					
Bridge, culvert, and railroad	5	1,534,861	61,394	322,139	1,212,742	102	18,316,226	13,196,321	17,184,243	1,131,983	
Grading	11	926,533	580,145	709,131	127,402	General contractors ³	40	12,370,414	8,303,312	11,313,568	1,056,846
Street paving	12	1,768,281	1,328,010	722,995	453,525	Building	33	9,838,475	7,701,931	9,753,475	85,000
Sewer, gas, water, conduit	6	478,818	343,060	440,420	38,389	Building, not specialized ⁴	22	7,072,708	5,078,450	7,072,708	
Dam and reservoir, and water-works	3	1,106,831	357,258	1,106,831		Commercial building only	4	1,122,373	1,122,373	1,122,373	
Dredging, river, harbor, etc.	6	1,170,520	191,214	722,995	453,525	Residential building only	7	743,304	601,108	668,304	85,000
Foundation	7	1,052,215	845,798	1,052,215		Highway	3	1,584,000	70,258	613,063	971,846
Subcontractors	393	31,191,891	22,455,506	29,744,838	1,447,053	Other classes ⁵	4	947,939	621,123	947,939	
Carpentry and wood flooring	8	349,376	341,370	349,376		Subcontractors	62	5,945,812	4,803,009	5,870,075	76,137
Concreting	19	1,150,460	718,421	1,150,460		Concreting and masonry	4	142,253	102,937	142,253	
Electrical	46	2,969,608	2,504,235	2,950,347	10,161	Electrical	6	498,993	477,470	408,993	
Elevator construction	3	571,410	309,204	521,578	49,832	Heating and plumbing	25	3,057,485	2,400,345	3,022,055	34,830
Heating and plumbing	187	15,038,045	11,036,933	14,742,060	205,985	Heating and pipe covering	14	2,067,070	1,580,471	2,065,246	1,830
Heating and pipe covering	54	6,760,370	4,034,157	6,564,189	202,181	Plumbing ⁷	11	990,400	825,874	967,409	83,000
Plumbing and automatic sprinkler systems	82	5,070,006	4,361,761	4,992,202	83,804	Painting and decorating, and plastering and lathing	6	400,404	443,411	493,510	5,975
Plumbing and heating combined	51	3,195,669	2,691,015	3,185,669	10,000	Roofing and sheet metal work	9	596,500	400,510	592,890	4,000
Masonry	16	741,354	611,477	741,354		Roofing	5	283,864	130,191	283,864	
Painting and decorating	33	1,830,165	1,533,174	1,701,303	44,862	Sheet metal work ⁸	4	313,032	270,325	300,032	4,000
Plastering and lathing	10	995,391	621,300	960,316	34,075	Marble and tiling	6	397,038	302,274	397,038	
Roofing and sheet metal work	32	2,120,640	1,373,997	2,055,013	65,633	Other classes ⁹	7	752,753	670,047	722,421	80,852
Roofing	23	1,524,302	800,193	1,476,550	48,752	NEW HAVEN					
Sheet metal work ⁸	9	596,344	483,804	578,463	16,881	102	15,850,984	11,501,363	14,386,519	1,464,415	
Steel erection	4	1,644,047	152,618	1,195,359	348,688	General contractors	41	10,018,035	7,242,822	9,396,844	1,222,091
Stone work	4	1,110,357	552,967	896,533	213,824	Building	29	6,403,295	5,790,703	6,338,298	125,000
Marble and tiling	10	1,112,432	865,029	1,102,432	10,000	Building, not specialized ¹⁰	23	5,988,217	5,316,682	5,863,217	125,000
Wrecking	4	203,517	203,517	203,517		Residential building only	6	476,081	476,081	476,081	
Excavating	5	495,237	453,237	495,237		Highway and street paving	4	1,990,013	1,086,467	1,837,404	150,149
Ornamental iron and metal work, n. e. s.	7	771,024	292,003	411,031	350,003	Bridge, culvert, and railroad	3	1,025,781	23,194	87,839	937,942
Grading	4	183,022	176,022	178,022	5,000	Other classes ¹¹	5	1,133,243	342,308	1,133,243	
BRIDGEPORT						NEW HAVEN					
General contractors ³	35	7,065,679	4,848,061	7,044,158	321,521	Subcontractors	61	5,231,969	4,268,561	4,989,676	242,824
Building	28	6,022,539	4,292,217	6,473,636	148,903	Electrical	11	649,720	624,946	649,720	
Building, not specialized ⁴	20	6,301,977	4,013,055	6,153,074	148,903	Heating and plumbing	22	1,545,639	1,424,402	1,545,639	
Residential building only	8	320,562	278,862	320,562		Plumbing and automatic sprinkler systems	8	796,700	741,459	796,700	
Other classes ⁵	7	1,343,140	555,844	1,170,522	172,618	Plumbing and heating combined	9	511,408	447,338	511,408	
Subcontractors	45	3,919,949	2,040,006	3,802,323	117,026	Painting and decorating	5	237,405	235,006	237,405	
Concreting and masonry	3	155,793	115,804	155,793		Roofing and sheet metal work	3	413,445	413,445		
Electrical	6	545,189	355,799	534,689	10,500	Elevator construction, steel erection, ornamental iron and metal work, n. e. s.	8	467,423	423,340	467,423	
Heating and plumbing	20	1,622,204	1,356,863	1,622,204		Stone work	5	452,875	230,810	424,375	28,500
Heating and piping	4	626,962	542,298	626,962		Marble and tiling	3	1,077,016	533,967	863,192	213,824
Plumbing	10	580,952	506,149	580,952		Other classes ¹²	5	346,823	346,823	346,823	
Plumbing and heating combined	6	414,350	308,410	414,350							

¹ Includes establishments reporting manufacturing building only.
² Includes roofing and sheet metal work combined.
³ Includes operative builders.
⁴ Includes operative builders and establishments reporting manufacturing building only.
⁵ Includes highway; grading; sewer, gas, water, and conduit; dredging, river and harbor, etc.; and foundation.
⁶ Includes carpentry and woodflooring; and marble and tiling.
⁷ Includes street paving; sewer, gas, water, and conduit; and foundation.
⁸ Includes plumbing and heating combined.
⁹ Includes carpentry; elevator construction; wrecking; excavating; and ornamental ironwork.
¹⁰ Includes establishments reporting commercial or manufacturing building only.
¹¹ Includes grading; sewer, gas, water, and conduit; dam and reservoir; and dredging, river and harbor, etc.
¹² Includes carpentry and woodflooring; concreting; wrecking; and grading.

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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
CONNECTICUT				HARTFORD			
Total distributed by State or country ¹	\$11,973,209	\$10,526,158	\$1,447,053	Total distributed by State ²	\$1,181,983	\$1,056,848	\$75,137
Florida.....	7,500	7,500		Massachusetts.....	499,045	430,283	69,662
Maine.....	688,736	658,543	30,193	New York.....	535,324	531,324	4,000
Massachusetts.....	3,161,179	2,721,095	440,084	Rhode Island.....	1,475		1,475
New Hampshire.....	623,178	599,781	23,397	Vermont.....	95,239	95,239	
New Jersey.....	161,439	60,000	91,439	NEW HAVEN			
New York.....	5,523,414	4,891,025	631,789	Total distributed by State ⁴	1,464,415	1,222,091	242,324
Pennsylvania.....	91,976	12,146	79,830	Massachusetts.....	543,880	515,380	28,500
Rhode Island.....	791,574	763,399	28,175	New Hampshire.....	13,026	13,026	
South Carolina.....	2,960		2,960	New Jersey.....	45,000		45,000
Vermont.....	420,846	345,803	75,043	New York.....	463,007	294,783	168,224
Virginia.....	75		75	Rhode Island.....	28,989	28,989	
Other States, not specified.....	440,954	396,886	44,068	Vermont.....	727	727	
United Kingdom.....	69,378	69,378		Other States, not specified.....	369,180	369,180	
BRIDGEPORT							
Total distributed by State ²	439,147	321,521	117,626				
Massachusetts.....	75,060	75,060					
New Jersey.....	75,801	60,000	15,801				
New York.....	260,043	186,521	80,422				
Other States, not specified.....	21,403		21,403				

¹ Reported by 60 general contracting and 54 subcontracting establishments.
² Reported by 5 general contracting and 7 subcontracting establishments.
³ Reported by 4 general contracting and 6 subcontracting establishments.
⁴ Reported by 14 general contracting and 4 subcontracting establishments.

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
		Receiv-ing 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	
CONNECTICUT	777	409	319	\$1,024,607	1,911	\$5,795,828	1,143	\$3,647,525	768	\$2,248,303	1,631	1,258	373	280
Operative builders.....	20	13	7	18,800	24	58,959	17	48,159	7	10,800	21	14	7	3
General contractors.....	371	217	131	420,848	1,139	3,724,819	564	2,030,808	575	1,694,011	946	779	167	193
Building.....	299	176	120	396,073	720	2,275,490	387	1,255,148	383	1,020,842	608	485	123	112
Building, not specialized.....	170	85	66	223,162	606	1,983,247	323	1,111,698	283	871,649	519	410	103	87
Commercial building only.....	11	5	2	5,720	21	76,513	10	45,448	11	31,065	20	18	2	1
Manufacturing building only.....	3			9,850	5	15,112	1	840	4	14,272	5	4		
Residential building only.....	109	86	50	157,941	88	200,618	53	97,262	36	103,350	64	47	17	24
Highway.....	23	11	5	7,530	240	776,728	85	353,589	155	418,139	187	165	22	53
Bridge, culvert, and railroad.....	5				31	128,004	14	68,160	17	50,838	31	26	5	
Grading.....	11	12			28	87,398	18	61,908	10	25,400	15	12	3	13
Street paving.....	12	7	2	4,680	49	133,515	18	59,841	31	70,674	49	44	5	
Sewer, gas, water, conduit.....	6	5			11	23,674	3	5,310	8	18,364	11	9	2	
Dam, reservoir, and waterworks.....	3	2	2	6,760	20	176,764	12	144,020	8	32,744	10	7	3	10
Dredging, river, harbor, etc.....	6	1			32	93,010	24	64,080	8	28,930	30	27	3	2
Foundation.....	6	3	2	5,200	8	30,233	3	16,656	5	13,580	5	4	1	3
Subcontractors.....	386	170	181	584,904	748	2,012,050	562	1,468,558	186	543,492	664	466	190	84
Carpentry and wood flooring.....	8	5	8	24,837	2	5,780			2	5,780	2	2		
Concreting.....	16	11	9	30,018	23	50,983	16	28,526	8	22,457	21	18	3	2
Electrical.....	43	20	10	33,873	100	228,072	82	163,630	18	64,642	95	63	32	5
Elevator construction.....	3				10	30,054	6	16,432	4	14,222	10	8	2	
Heating and plumbing.....	183	81	92	306,827	351	892,367	281	688,379	70	203,988	206	191	105	55
Heating and pipe covering.....	53	12	25	76,015	170	505,789	135	400,265	35	105,524	154	107	47	16
Plumbing, and automatic sprinkler systems.....	80	40	47	166,521	105	217,788	79	142,471	26	75,312	81	45	36	24
Plumbing and heating combined.....	50	29	20	64,291	76	168,795	67	145,643	9	23,152	61	39	22	15
Masonry.....	16	12	3	18,420	3	3,136	3	3,136			2	2		
Painting and decorating.....	33	11	21	80,361	38	78,889	28	54,203	10	24,620	33	20	13	5
Plastering and lathing.....	10	6	6	18,357	8	16,473	7	12,973	1	3,500	8	6	2	
Roofing and sheet metal work.....	31	15	15	42,151	64	150,519	43	101,641	21	54,878	52	39	13	12
Roofing.....	22	13	11	30,250	47	105,900	31	65,954	16	40,036	40	29	11	7
Sheet metal work ¹	9	2	4	11,861	17	50,529	12	35,687	5	14,842	12	10	2	5
Steel erection.....	4	2			45	227,036	33	109,060	7	27,076	45	39	6	
Stone work.....	4				29	115,027	11	62,288	18	55,739	29	24	5	
Marble and tiling.....	15	8	9	22,450	25	50,205	20	48,029	6	8,236	25	16	9	2
Wrecking.....	3		2	5,200	12	20,030	6	17,120	6	12,510	10	8	2	
Excavating.....	6	5			10	21,730	2	1,200	8	20,440	8	7	1	2
Ornamental iron and metal work, n. e. s.....	8	1			24	88,267	16	63,669	8	24,598	24	21	3	
Grading.....	4	2	1	2,500	4	8,222	4	8,222			4	3	1	

See footnotes at end of table.

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

CLASSIFICATION OF ESTABLISHMENTS	PROPRIETORS AND FIRM MEMBERS				SALARIED EMPLOYEES									
	Estab-lish-ments reporting	Re-ceiving no salary	Receiving salaries		All salaried employees		Officers and clerical staff		Superintendents, foremen, etc.		Number reported, by sex			Sex not re-ported
			Num-ber	Total annual salaries	Total number	Total annual salaries	Num-ber	Total annual salaries	Num-ber	Total annual salaries	Total	Male	Female	
BRIDGEPORT	76	22	32	\$114,262	220	\$749,740	133	\$432,823	96	\$316,096	178	134	44	51
General contractors ¹	35	11	14	61,202	143	501,894	69	257,772	74	244,122	108	83	25	85
Building.....	29	11	14	61,202	98	304,180	52	194,672	46	169,608	72	54	18	26
Building, not specialized ²	21	6	10	49,523	96	361,080	51	194,472	45	166,608	72	54	18	24
Residential building only.....	8	6	4	11,679	2	3,100	1	100	1	3,000	—	—	—	2
Other classes ³	6	—	—	—	45	137,714	17	63,200	28	74,514	36	29	7	9
Subcontractors	41	11	18	53,060	80	247,855	64	176,051	22	72,804	70	51	19	10
Carpentry, painting, and decorating.....	4	1	4	15,607	2	3,000	1	1,300	1	2,600	2	1	1	—
Electrical.....	5	2	2	5,600	9	21,428	6	13,228	3	8,200	8	6	2	1
Heating and plumbing.....	18	6	6	18,781	30	110,827	30	92,049	0	18,778	21	11	10	15
Heating and piping.....	4	—	2	4,801	13	40,240	11	30,099	2	7,160	4	1	3	9
Plumbing.....	4	5	3	4,660	13	32,434	11	25,434	2	7,000	11	6	5	2
Plumbing and heating combined.....	5	1	1	4,420	10	32,144	8	27,510	2	4,628	6	4	2	4
Concrete, masonry, marble, and tiling.....	4	—	2	3,432	10	19,101	8	13,341	2	5,850	10	8	2	—
Plastering and lathing.....	3	2	—	—	5	10,233	4	6,733	1	3,500	5	3	2	—
Roofing and sheet metal work.....	4	—	4	9,740	4	7,200	3	4,800	1	2,400	4	3	1	—
Steel erection, elevator construction, and ornamental iron work, n. e. s.....	3	—	—	—	20	76,076	12	43,600	8	31,470	20	19	1	—
HARTFORD	107	47	38	137,653	334	1,130,649	189	713,564	145	417,086	247	200	47	87
General contractors ¹	41	19	6	13,765	179	604,054	77	385,251	102	278,803	131	115	10	48
Building.....	33	17	6	13,765	107	442,814	58	231,307	49	161,447	85	69	16	22
Building, not specialized ²	21	9	1	1,745	83	346,950	46	221,034	37	125,016	61	49	12	22
Commercial building only.....	4	2	—	—	11	53,353	5	30,608	0	10,845	11	10	1	—
Residential building only.....	8	6	5	12,020	13	42,511	7	22,025	0	19,536	18	10	3	—
Highway.....	4	1	—	—	54	150,294	13	70,434	41	79,800	28	28	—	26
Other classes ³	4	1	—	—	18	70,940	0	33,450	12	37,496	18	18	—	—
Subcontractors	66	28	32	123,888	155	466,595	112	328,313	43	138,282	116	85	31	30
Concrete and masonry.....	5	3	4	10,983	5	20,717	3	13,037	2	7,080	5	5	—	—
Electrical.....	7	2	2	10,400	19	66,184	14	41,232	5	24,962	19	13	6	—
Heating and plumbing.....	26	7	13	49,356	84	253,089	63	189,059	21	64,630	63	47	16	21
Heating and pipe covering.....	14	2	6	21,220	52	170,748	39	131,499	13	39,249	47	33	14	6
Plumbing.....	12	5	7	25,136	82	32,941	24	57,560	8	25,381	16	14	2	10
Painting, decorating, plastering, and lathing.....	7	3	5	29,125	8	20,791	8	20,791	—	—	5	3	2	3
Roofing and sheet metal work.....	10	6	5	10,274	24	63,009	14	35,887	10	27,122	13	10	3	11
Roofing.....	6	6	3	10,514	12	23,500	6	8,320	0	15,240	9	7	2	3
Sheet metal work ⁴	4	—	2	5,760	12	39,449	8	27,567	4	11,882	4	3	1	8
Marble and tiling.....	5	3	3	4,750	8	20,993	7	20,027	1	936	8	4	4	—
Other classes ⁵	6	4	—	—	7	21,242	3	8,280	4	12,902	3	3	—	4
NEW HAVEN	100	45	30	109,495	314	1,034,280	183	661,052	131	373,228	292	217	75	92
General contractors	39	20	14	58,384	163	637,741	77	394,900	80	242,772	145	118	27	18
Building.....	28	14	14	58,384	97	290,122	43	151,049	54	138,473	95	70	10	2
Building, not specialized ²	23	8	10	40,384	92	283,180	40	150,424	52	132,756	62	74	18	—
Residential building only.....	5	6	4	17,600	5	6,942	3	1,225	2	5,717	3	2	1	2
Highway and street paving.....	3	2	—	—	21	53,973	8	24,132	13	29,841	15	12	3	6
Bridge, culvert, and railroad.....	3	—	—	—	23	98,448	11	53,610	12	44,838	23	20	3	—
Other classes ³	6	4	—	—	22	195,198	15	165,578	7	29,620	12	10	2	10
Subcontractors	61	25	16	51,111	151	396,539	106	266,083	45	130,456	147	99	48	4
Electrical.....	11	5	2	7,493	27	51,285	23	43,345	4	7,940	26	14	12	1
Heating and plumbing.....	22	8	4	9,880	39	37,595	32	71,338	7	16,257	36	21	15	3
Heating and piping.....	8	2	—	—	22	51,581	17	39,378	5	12,203	22	15	7	—
Plumbing and automatic sprinkler systems.....	0	4	4	9,880	7	13,401	6	10,607	1	2,854	6	2	4	2
Plumbing and heating combined.....	5	2	—	—	10	22,553	9	21,353	1	1,200	8	4	4	—
Painting and decorating.....	3	1	3	14,338	6	13,059	3	6,403	3	6,050	6	3	3	—
Roofing and sheet-metal work.....	8	3	2	5,200	19	43,533	14	29,390	5	14,143	19	12	7	—
Steel erection, elevator construction, ornamental iron, and metal work, n. e. s.....	5	—	—	—	14	45,748	11	25,907	3	19,841	14	11	3	—
Stone work.....	3	1	—	—	28	114,127	11	62,238	17	51,839	28	23	5	—
Marble and tiling.....	4	2	2	5,000	8	20,060	7	17,950	1	2,700	8	8	—	—
Other classes ⁴	5	5	3	8,700	10	20,542	5	9,462	5	11,080	10	7	3	—

¹ Includes roofing and sheet metal combined.
² Includes operative builders.
³ Includes operative builders and establishments reporting manufacturing building only.
⁴ Includes highway; grading; sewer, gas, water and conduit; dredging, river and harbor, etc.; and foundation.
⁵ Includes street paving; sewer, gas, water and conduit; and foundation.
⁶ Includes plumbing and heating combined.
⁷ Includes carpentry; elevator construction; wrecking; excavating; and ornamental iron work.
⁸ Includes establishments reporting commercial or manufacturing building only.
⁹ Includes grading; sewer, gas, water and conduit; dam and reservoir; and dredging, river and harbor, etc.
¹⁰ Includes carpentry; concreting; wrecking; and grading.

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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		
CONNECTICUT	702	\$2,395,047	\$7,817,318	\$100,441,183	\$28,827,997	BRIDGEPORT—Continued					
<i>Classification of establishments</i>						<i>Percentage of equipment owned</i>					
Operative builders	17	7,064	39,569	1,206,374	218,954	General contractors ²	31	\$91,240	\$308,485	\$8,186,960	\$2,282,353
General contractors	341	2,006,606	6,326,464	70,874,180	20,437,827	None					
Building	270	887,679	1,671,128	47,556,012	12,055,897	1% to 25%					
Building, not specialized	161	310,248	1,363,899	36,748,210	10,090,154	26% to 50%	2	30,337	184,311	2,403,706	574,111
Commercial building only	10	10,505	46,310	1,664,947	382,393	51% to 75%	24	60,403	419,909	5,661,747	1,662,136
Manufacturing building only	3	2,153	12,088	906,259	173,067	76% to 99%	3	500	4,175	121,507	16,106
Residential building only	98	55,673	247,981	8,336,596	2,009,683	100%	2				
Highway	25	1,121,992	2,960,036	15,524,078	5,204,532	Not reported	42	51,934	195,125	3,728,744	1,225,156
Bridge, culvert, and railroad	5	97,950	257,501	1,534,881	470,802	None	2				
Grading	11	132,341	330,753	928,533	405,275	1% to 25%					
Street paving	10	112,619	400,465	1,662,281	515,618	26% to 50%	1	2,160	9,540	235,792	74,127
Sewer, gas, water, conduit	4	22,302	136,468	334,829	124,913	51% to 75%	1				
Dam, reservoir, and water-works	3	19,880	50,277	1,106,831	342,343	76% to 99%	1				
Dredging, river, harbor, etc.	6	42,428	360,611	1,176,520	350,799	100%	38	49,774	185,585	3,492,952	1,151,029
Foundation	7	69,514	169,335	1,052,215	367,648	Not reported					
Subcontractors	344	380,477	1,551,283	28,300,609	8,171,216	HARTFORD	89	391,642	1,122,482	17,726,498	4,455,764
Carpentry and wood flooring	7	1,025	14,160	312,862	87,331	<i>Classification of establishments</i>					
Concreting	15	70,425	176,394	1,212,354	495,234	General contractors ²	36	328,509	828,305	12,116,462	3,015,069
Electrical	42	18,580	78,365	2,717,851	819,821	Building	28	45,729	272,087	8,678,523	1,088,924
Elevator construction	3	2,171	6,541	571,410	105,854	Building, not specialized ³	21	44,111	251,337	7,949,016	1,706,021
Heating and plumbing	159	124,800	491,546	13,587,540	3,291,990	Residential building only	7	1,618	20,750	729,507	192,903
Heating and pipe covering	46	42,094	204,074	6,204,508	1,353,980	Highway	4	215,731	321,821	2,400,900	704,474
Plumbing and automatic sprinkler systems	69	65,689	177,859	4,638,707	1,174,167	Other classes ⁴	4	67,049	234,897	947,030	261,671
Plumbing and heating combined	44	17,077	109,613	2,844,325	763,853	Subcontractors	53	63,133	294,177	5,610,036	1,440,695
Masonry	15	10,617	47,317	715,367	306,040	None	1				
Painting and decorating	30	23,350	58,584	1,789,038	1,004,535	1% to 25%	4	9,257	30,060	256,260	99,613
Plastering and lathing	9	6,453	26,690	772,378	395,082	26% to 50%	3	1,688	9,191	498,093	134,350
Roofing and sheet metal work	28	26,289	88,318	2,001,260	603,743	51% to 75%	19	14,195	56,974	2,678,220	691,307
Roofing	21	23,638	58,034	1,677,150	402,219	76% to 99%	10	8,397	29,058	1,593,650	322,455
Sheet metal work	7	2,651	30,284	384,110	101,524	100%	6	5,153	15,096	694,008	200,131
Steel erection	4	10,066	204,487	1,644,407	237,167	Not reported	10				
Stone work	3	30,031	31,075	690,390	277,027	Subcontractors	53	63,133	294,177	5,610,036	1,440,695
Marble and tiling	10	9,651	44,281	820,656	211,231	None	1				
Wracking	3	11,292	17,710	164,642	71,027	1% to 25%					
Excavating	6	20,687	191,978	495,237	154,830	26% to 50%	2	23,273	41,713	290,719	116,840
Ornamental iron and metal work, n. e. s.	7	2,344	34,770	810,055	134,514	51% to 75%	2				
Grading	4	3,700	39,077	183,022	74,834	76% to 99%	47	39,135	247,887	5,209,031	1,293,779
						100%	1	725	4,577	110,287	30,076
						Not reported					
<i>Percentage of equipment owned</i>						<i>Percentage of equipment owned</i>					
General contractors ²	358	2,014,570	6,366,033	72,080,554	20,056,781	General contractors ²	36	328,509	828,305	12,116,462	3,015,069
None	21			2,352,763	490,301	None	3			268,517	42,742
1% to 25%	1	6,042	9,400	270,581	54,125	1% to 25%					
26% to 50%	9	227,497	411,901	2,581,767	592,312	26% to 50%	6	201,873	302,018	3,133,327	870,042
51% to 75%	45	663,483	1,728,096	13,241,561	4,102,339	51% to 75%	25	120,630	433,587	8,485,651	2,038,265
76% to 99%	268	1,116,022	4,205,212	52,903,560	15,247,910	76% to 99%	2		1,500	228,907	64,020
100%	11	2,526	11,424	724,536	169,794	100%					
Not reported						Not reported					
Subcontractors	344	380,477	1,551,283	28,300,609	8,171,216	Subcontractors	53	63,133	294,177	5,610,036	1,440,695
None	8			412,140	128,216	None	1				
1% to 25%	1					1% to 25%					
26% to 50%	11	28,600	81,630	645,209	171,770	26% to 50%	2				
51% to 75%	9	5,861	40,100	497,912	166,201	51% to 75%	2				
76% to 99%	311	318,042	1,410,975	26,447,110	7,505,321	76% to 99%	47	39,135	247,887	5,209,031	1,293,779
100%	4	27,884	18,069	458,238	190,031	100%	1	725	4,577	110,287	30,076
Not reported						Not reported					
BRIDGEPORT	73	143,174	803,610	11,815,704	3,507,609	NEW HAVEN	91	444,760	1,349,549	14,764,006	4,132,244
<i>Classification of establishments</i>						<i>Classification of establishments</i>					
General contractors ²	31	91,240	608,485	8,186,060	2,282,353	General contractors	40	378,213	1,103,845	10,025,935	2,816,191
Building	24	53,893	229,138	6,843,820	1,846,510	Building	29	58,081	230,507	6,470,298	1,605,592
Building, not specialized ³	19	53,093	223,888	6,049,790	1,821,193	Building, not specialized ³	23	65,016	231,066	6,038,217	1,423,735
Residential building only	5	800	5,250	194,030	25,317	Residential building only	5	3,065	8,441	432,081	81,857
Other classes ⁴	7	37,347	379,347	1,343,140	435,843	Highway	3	165,308	499,240	1,872,681	605,880
Subcontractors	42	51,934	195,125	3,728,744	1,225,156	Bridge, culvert, and railroad	3	89,450	198,301	1,025,781	327,602
Electrical	6	1,200	17,475	545,189	104,809	Other classes ¹⁰	6	65,374	166,797	1,257,175	377,117
Heating and plumbing	19	30,692	60,838	1,582,346	372,066	Subcontractors	51	66,547	245,698	4,128,071	1,316,053
Heating and piping	4	2,347	25,379	626,962	153,146	None	1				
Plumbing	9	27,785	10,247	541,034	113,873	1% to 25%	9	2,855	16,535	428,079	136,839
Plumbing and heating combined	6	560	10,212	414,350	105,647	26% to 50%	19	5,561	67,279	1,324,612	327,186
Painting and decorating	4	6,444	11,020	312,424	197,457	51% to 75%	7	2,900	31,932	439,713	90,928
Plastering and lathing	3	5,148	22,004	448,694	230,428	76% to 99%	5	450	13,489	237,405	66,370
Roofing	3	1,090	9,809	252,805	59,589	100%	7	6,936	18,327	440,873	123,051
Elevator construction, steel erection, and ornamental iron, n. e. s.	3	5,200	53,814	385,342	121,611	Plumbing and automatic sprinkler systems	7	2,900	31,932	439,713	90,928
Other classes ¹	4	2,160	14,565	201,974	75,596	Plumbing and heating combined	5	450	13,489	237,405	66,370
						Roofing and sheet metal work	7	6,936	18,327	440,873	123,051
						Elevator construction, steel erection, ornamental iron, and metal work, n. e. s.	5	2,101	33,732	452,876	103,538
						Other classes ¹¹	11	49,094	166,825	1,483,082	625,439

See footnotes at end of table.

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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		
NEW HAVEN—Continued						NEW HAVEN—Continued					
<i>Percentage of equipment owned</i>						<i>Percentage of equipment owned—Continued</i>					
General contractors.....	40	\$378, 213	\$1, 103, 846	\$10, 025, 935	\$2, 816, 191	Subcontractors.....	51	\$66, 547	\$245, 698	\$4, 128, 071	\$1, 316, 053
None.....	1			1, 204, 559	242, 001	None.....	1				
1% to 25%.....	1					1% to 25%.....	1				
26% to 50%.....	1	135, 049	233, 099	2, 199, 018	402, 559	26% to 50%.....	2	201	30, 000	201, 295	43, 901
51% to 75%.....	1					51% to 75%.....	2				
76% to 99%.....	29	242, 378	869, 882	7, 179, 523	2, 008, 283	76% to 99%.....	46	39, 087	205, 120	3, 062, 551	1, 129, 133
100%.....	1	180	804	42, 800	13, 348	100%.....	1	26, 359	9, 882	204, 225	142, 909
Not reported.....	1					Not reported.....	1				

- 1 Includes roofing and sheet metal work combined.
- 2 Includes operative builders.
- 3 Includes operative builders and establishments reporting manufacturing building only.
- 4 Includes highway, grading, sewer, gas, water, and conduit; dredging, river and harbor, etc.; and foundation.
- 5 Includes carpentry and woodflooring; concreting; masonry; and marble and tiling.
- 6 Includes operative builders and establishments reporting commercial building only.
- 7 Includes street paving; sewer, gas, water, and conduit; and foundation.
- 8 Includes elevator construction, wrecking, and excavating.
- 9 Includes establishments reporting commercial or manufacturing building only.
- 10 Includes grading; street paving; sewer, gas, water, and conduit; dam and reservoir; waterworks; and dredging, river and harbor, etc.
- 11 Includes carpentry and woodflooring; concreting; painting and decorating; stonework; marble and tiling; wrecking; and grading.

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

CLASSIFICATION OF ESTABLISHMENTS AND LENGTH OF WORKING WEEK	Number of establishments reporting workmen employed	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	
CONNECTICUT.....	733	10, 515	10, 222	10, 894	14, 251	18, 789	18, 166	19, 091	19, 691	19, 295	19, 046	17, 475	18, 987	\$29, 078, 810
<i>Classification of establishments</i>														
Operative builders.....	14	89	96	120	133	150	143	110	113	95	77	60	60	220, 540
General contractors.....	356	6, 718	6, 504	7, 085	9, 901	12, 183	13, 209	14, 143	14, 460	13, 935	13, 768	12, 566	6, 580	20, 084, 780
Building.....	287	5, 170	5, 098	5, 537	6, 490	7, 193	7, 925	8, 017	8, 037	7, 803	8, 031	7, 692	6, 320	12, 899, 478
Building, not specialized ¹	173	4, 290	4, 171	4, 501	5, 284	5, 944	6, 292	6, 583	6, 068	6, 500	6, 770	6, 488	5, 420	10, 475, 204
Commercial building only.....	11	164	127	196	169	167	183	165	155	114	92	117	103	280, 932
Residential building only.....	103	776	770	840	1, 043	1, 097	1, 209	1, 214	1, 180	1, 163	1, 057	803	274	470, 802
Highway.....	24	599	592	599	2, 098	3, 367	3, 944	4, 411	4, 622	4, 370	4, 080	3, 891	2, 030	4, 724, 973
Bridge, culvert and railroad.....	5	110	115	142	238	200	256	285	311	269	339	251	224	470, 802
Grading.....	9	184	146	140	202	252	280	250	298	271	259	257	182	378, 895
Street paving.....	12	105	106	164	252	458	469	468	407	433	385	344	270	547, 855
Sewer, gas, water, conduit.....	4	87	44	45	58	67	71	65	61	73	68	63	44	111, 087
Dam, reservoir, and waterworks.....	3	234	183	134	186	191	188	210	259	299	258	277	221	352, 843
Dredging, river, harbor, etc.....	6	232	210	227	243	242	213	223	251	267	222	193	169	350, 790
Foundation.....	6	91	70	100	128	133	102	213	174	190	134	123	114	287, 648
Subcontractors.....	363	3, 708	3, 622	3, 679	4, 212	4, 456	4, 804	4, 824	5, 128	5, 205	5, 201	4, 843	4, 382	8, 762, 490
Carpentry and wood flooring.....	7	28	24	23	29	40	56	64	64	56	42	48	39	87, 381
Concreting.....	15	90	103	123	239	841	380	341	472	496	475	335	204	490, 293
Electrical.....	42	361	357	385	393	410	410	422	432	400	415	412	373	887, 913
Heating and plumbing.....	169	1, 643	1, 541	1, 513	1, 572	1, 584	1, 662	1, 769	1, 882	1, 956	2, 048	2, 044	1, 890	3, 255, 300
Heating and pipe covering.....	47	587	521	505	520	510	559	607	700	743	780	792	737	1, 228, 747
Plumbing and automatic sprinkler systems.....	73	592	566	568	601	631	662	728	720	728	741	731	678	1, 200, 275
Plumbing and heating combined.....	49	464	454	440	451	443	441	434	453	485	518	521	481	822, 278
Masonry.....	15	135	118	132	172	191	230	211	212	176	188	180	161	297, 489
Painting and decorating.....	31	303	348	399	502	585	627	546	690	546	537	496	426	1, 040, 351
Plastering and lathing.....	10	160	155	185	225	215	232	225	217	204	201	189	163	547, 609
Roofing and sheet metal work.....	30	250	240	268	288	303	330	363	350	396	365	361	352	534, 702
Roofing.....	21	188	183	195	222	236	255	267	208	294	298	263	268	400, 089
Sheet metal work ²	9	62	63	73	66	67	75	90	88	102	97	98	89	134, 613
Elevator construction and steel erection.....	6	128	123	127	155	165	160	172	155	159	177	180	147	332, 021
Stone work.....	4	260	269	174	260	224	256	270	278	260	248	224	245	574, 277
Marble and tiling.....	14	132	133	120	109	120	139	132	149	150	162	124	114	266, 912
Wrecking.....	3	96	50	65	33	32	46	43	57	58	45	48	42	71, 027
Excavating.....	5	82	55	58	106	108	128	100	125	105	94	58	54	154, 336
Ornamental iron and metal work n. e. s.....	8	78	81	77	93	93	96	107	113	103	96	97	89	101, 596
Grading.....	4	13	29	30	37	45	52	50	50	48	48	38	27	74, 834
<i>Length of working week</i>														
General contractors ³	370	6, 807	6, 600	7, 205	10, 039	12, 333	13, 352	14, 267	14, 563	14, 030	13, 845	12, 632	9, 655	20, 314, 320
40-hour, 5-day week.....	51	773	786	906	988	1, 002	968	1, 011	1, 038	1, 002	979	867	713	1, 982, 370
45-hour, 5-day week.....	2	45	44	42	38	52	47	46	49	66	46	49	44	91, 044
50-hour, 5-day week.....	1	9	9	11	13	14	21	21	16	15	13	11	6	26, 874
All other 5-day week.....	221	4, 041	3, 965	4, 291	4, 041	5, 554	5, 728	5, 893	5, 807	5, 081	5, 931	5, 800	4, 883	9, 514, 332
49½-hour, 5½-day week.....	1	10	5	9	10	11	10	8	7	7	6	6	3	15, 751
55-hour, 5½-day week.....	2	14	14	9	9	29	16	18	35	24	33	20	13	86, 301
All other 5½-day week.....	16	282	251	295	450	360	578	702	802	750	757	624	444	902, 423
48-hour, 6-day week.....	14	215	233	244	358	385	395	453	412	343	368	450	408	685, 207
54-hour, 6-day week.....	24	563	511	566	854	1, 078	1, 141	1, 309	1, 351	1, 315	1, 110	1, 038	747	1, 487, 376
60-hour, 6-day week.....	19	446	369	377	1, 722	2, 967	3, 402	3, 778	3, 966	3, 767	3, 526	2, 835	1, 697	3, 851, 707
All other 6-day week.....	13	362	366	396	547	691	935	906	961	940	945	778	555	1, 530, 003
All other not designated.....	2	95	35	39	59	69	68	57	64	58	77	127	129	101, 219
Not reported.....	4	12	12	20	41	51	48	63	54	62	51	29	18	77, 713

See footnotes at end of table.

CONSTRUCTION—CONNECTICUT

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

CLASSIFICATION OF ESTABLISHMENTS AND LENGTH OF WORKING WEEK	Number of establishments reporting workmen employed	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	
CONNECTICUT—Continued														
<i>Length of working week—Continued</i>														
Subcontractors.....	363	3,708	3,622	3,679	4,212	4,456	4,804	4,824	5,128	5,265	5,201	4,843	4,332	\$8,762,490
40-hour, 5-day week.....	74	709	776	793	882	928	993	890	969	912	1,008	1,025	924	1,775,524
45-hour, 5-day week.....	1			7	10	10	10	11	11	11	11	7	7	14,000
50-hour, 5-day week.....	1	9	9	5	4	6	10	8	6	7	5	5	4	12,408
All other 5-day week.....	219	2,214	2,137	2,184	2,438	2,490	2,685	2,790	2,084	3,177	3,064	2,873	2,553	5,224,325
49 1/4-hour, 5 1/2-day week.....	6	43	42	41	55	55	56	56	59	50	55	54	51	87,861
55-hour, 5 1/2-day week.....	19	266	270	242	288	287	310	350	359	348	324	289	264	530,278
48-hour, 6-day week.....	18	116	116	130	167	175	179	175	170	171	174	109	187	277,966
54-hour, 6-day week.....	17	143	135	159	232	287	318	306	311	311	300	232	169	429,827
60-hour, 6-day week.....	2	4	4	8	14	78	76	77	72	71	69	16	15	51,789
All other 6-day week.....	5	141	130	107	130	134	164	170	185	203	188	172	156	346,261
All other not designated.....	1	3	3	3	2	2	3	3	2	4	3	2	2	6,276
Not reported.....	1	3	3	3	2	2	3	3	2	4	3	2	2	6,276
BRIDGEPORT.....														3,616,352
<i>Classification of establishments</i>														
General contractors ¹	35	1,022	1,120	1,134	1,300	1,412	1,271	1,305	1,294	1,257	1,282	1,208	942	2,368,370
Building.....	28	864	987	987	1,105	1,114	965	1,007	992	949	1,053	998	812	1,932,527
Building, not specialized ²	21	854	974	970	1,070	1,081	933	973	963	920	1,027	975	790	1,882,746
Residential building only.....	7	10	13	17	29	33	32	34	20	29	26	23	22	49,781
Other classes ³	7	168	133	147	195	298	306	298	302	308	224	210	130	435,843
Subcontractors.....	43	503	511	550	582	597	611	581	547	531	500	602	458	1,247,982
Concreting and masonry.....	3	30	28	30	34	38	34	37	35	33	37	23	27	44,137
Electrical.....	6	59	59	66	67	68	70	67	63	63	57	52	45	164,800
Heating and plumbing.....	10	174	164	182	164	163	149	168	165	180	199	198	167	371,796
Heating and piping.....	4	63	52	76	62	47	48	49	51	55	65	50	60	153,146
Plumbing.....	9	48	49	49	47	54	55	67	72	78	81	72	59	112,973
Plumbing and heating, combined.....	6	63	63	67	55	52	46	42	42	49	53	67	48	105,647
Painting and decorating.....	4	67	79	94	101	114	105	103	82	70	77	108	61	197,457
Plastering and lathing.....	3	57	78	79	104	102	124	83	92	81	74	99	71	236,428
Roofing and sheet metal work.....	3	34	28	39	32	31	30	34	24	34	28	31	36	57,179
Other classes ⁴	5	82	76	60	80	91	101	96	82	70	88	91	51	181,206
<i>Length of working week</i>														
General contractors ¹	35	1,022	1,120	1,134	1,300	1,412	1,271	1,305	1,294	1,257	1,282	1,208	942	2,368,370
40-hour, 5-day week.....	5	52	85	111	188	199	144	140	150	123	139	98	82	282,912
45-hour, 5-day week.....	1	45	44	42	38	52	47	46	49	66	46	49	44	61,644
50-hour, 5-day week.....	1													
All other 5-day week.....	22	789	880	854	804	886	793	833	790	790	880	870	702	1,009,700
44-hour, 5 1/2-day week.....	1	9	11	6	3	6	6	8	16	14	13	14	7	16,539
49 1/4-hour, 5 1/2-day week.....	1	23	22	22	23	29	28	29	46	36	34	30	28	30,015
All other 5 1/2-day week.....	1													
48-hour, 6-day week.....	4	74	48	40	94	180	193	184	177	168	120	97	30	255,713
54-hour, 6-day week.....	1	30	30	50	60	60	60	60	60	60	50	50	40	72,547
60-hour, 6-day week.....	1													
All other 6-day week.....	1	30	30	50	60	60	60	60	60	60	50	50	40	72,547
All other not designated.....	1													
Not reported.....	1													
Subcontractors.....	43	503	511	550	582	597	611	581	547	531	500	602	458	1,247,982
40-hour, 5-day week.....	7	85	92	107	114	128	121	124	105	91	104	134	86	237,740
45-hour, 5-day week.....	1													
50-hour, 5-day week.....	1													
All other 5-day week.....	31	376	372	403	404	394	420	382	374	370	378	408	308	891,540
44-hour, 5 1/2-day week.....	1	12	12	12	14	16	18	18	20	18	16	14	12	31,386
49 1/4-hour, 5 1/2-day week.....	1													
55-hour, 5 1/2-day week.....	2	9	11	7	21	20	18	18	17	17	25	15	21	41,517
48-hour, 6-day week.....	2	21	24	21	29	30	34	39	31	35	37	31	31	46,800
54-hour, 6-day week.....	1													
60-hour, 6-day week.....	1													
All other 6-day week.....	1													
All other not designated.....	1													
Not reported.....	1													
HARTFORD.....														4,669,914
<i>Classification of establishments</i>														
General contractors ¹	40	895	792	1,003	1,285	1,843	1,918	2,071	2,159	1,909	1,968	1,943	1,636	2,983,766
Building.....	32	740	666	840	1,065	1,314	1,299	1,308	1,364	1,183	1,306	1,427	1,250	1,957,621
Building, not specialized ²	21	695	566	678	885	1,145	1,147	1,112	1,171	959	1,090	1,199	1,090	1,653,916
Commercial building only.....	3	49	25	78	74	63	30	38	28	36	15	34	39	70,371
Residential building only.....	8	86	75	84	106	110	122	158	165	188	195	194	121	224,334
Highway.....	4	83	69	94	146	313	398	551	614	638	495	356	233	784,474
Other classes ³	4	72	57	69	74	216	221	212	181	188	167	160	144	261,671
Subcontractors.....	64	620	574	644	781	799	924	956	959	1,098	1,026	921	846	1,680,148
Concreting and masonry.....	5	19	19	43	72	86	92	68	75	77	56	53	64	105,000
Electrical.....	7	54	51	57	63	66	67	69	75	100	94	102	70	173,819
Heating and plumbing.....	24	261	234	217	248	233	274	323	332	357	368	368	340	574,184
Heating and pipe covering.....	13	138	119	110	115	100	131	151	164	178	194	193	188	285,910
Plumbing.....	11	123	115	107	133	127	143	172	168	179	174	175	152	288,274
Painting and decorating, plastering.....	7	90	78	114	154	161	204	185	152	231	230	122	123	360,399
Roofing and sheet metal work.....	10	78	74	82	107	109	119	158	153	161	126	131	125	202,697
Roofing.....	6	40	37	47	67	68	74	95	96	100	71	75	71	117,122
Sheet metal work ⁴	4	36	37	35	40	41	45	63	57	61	55	56	54	85,575
Marble and tiling.....	5	42	36	40	44	48	53	53	62	54	61	53	43	91,729
Other classes ⁵	6	78	82	91	93	96	115	100	110	118	82	92	81	177,711

See footnotes at end of table.

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

CLASSIFICATION OF ESTABLISHMENTS AND LENGTH OF WORKING WEEK	Number of establishments reporting workmen employed	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	
HARTFORD—Continued														
<i>Length of working week</i>														
General contractors ¹	40	895	702	1,008	1,285	1,843	1,918	2,071	2,159	1,909	1,908	1,948	1,686	\$2,983,766
40-hour, 5-day week	1	6	6	6	8	12	14	18	18	20	12	12	8	33,142
45-hour, 5-day week														
50-hour, 5-day week														
All other 5-day week														
44-hour, 5½-day week	24	590	520	681	769	900	791	739	808	692	843	921	807	1,284,980
49½-hour, 5½-day week														
55-hour, 5½-day week	1			15	15	20	20	20	20	20	20	20	20	30,150
All other 5½-day week	1					3	28	70	75	69	69	108	74	60,240
48-hour, 6-day week	4	49	41	61	148	208	224	300	292	278	232	192	151	207,717
54-hour, 6-day week	4	90	75	88	126	371	408	401	539	468	475	393	308	517,420
60-hour, 6-day week	4	158	139	170	217	327	431	430	404	370	315	801	265	760,511
All other 6-day week														
All other not designated														
Not reported	1	2	2	2	2	2	2	3	3	2	2	3	3	9,000
Subcontractors	64	620	574	644	781	700	924	976	950	1,098	1,026	921	846	1,686,148
40-hour, 5-day week	8	88	80	88	100	99	119	100	120	100	112	122	130	106,206
45-hour, 5-day week														
50-hour, 5-day week														
All other 5-day week														
44-hour, 5½-day week	42	453	410	447	541	546	681	691	657	803	752	640	568	1,190,283
49½-hour, 5½-day week														
55-hour, 5½-day week	4	10	20	22	28	26	32	33	36	38	37	33	19	64,365
All other 5½-day week	4	10	10	31	31	30	29	24	25	31	23	20	41	50,558
48-hour, 6-day week	5	53	54	61	81	98	113	101	112	116	87	94	80	172,008
54-hour, 6-day week														
60-hour, 6-day week	1							7	9	10	15	12	8	6,638
All other 6-day week														
All other not designated														
Not reported														
NEW HAVEN	93	1,561	1,540	1,689	2,031	2,289	2,360	2,496	2,557	2,682	2,512	2,458	2,217	4,062,700
<i>Classification of establishments</i>														
General contractors	39	854	788	900	1,228	1,465	1,409	1,515	1,557	1,505	1,537	1,577	1,381	2,393,498
Building	28	491	476	578	747	809	891	981	1,005	1,050	1,000	993	882	1,662,458
Building, not specialized ¹⁰	23	463	436	545	703	878	863	934	955	1,004	956	955	849	1,409,573
Residential building only	5	38	40	33	44	36	46	47	50	46	44	38	33	92,885
Highway and street paving	3	32	37	61	72	100	125	127	115	131	134	136	105	150,080
Bridge, culvert, and railroad	3	95	94	121	204	196	162	179	139	97	138	190	204	327,602
Other classes ¹¹	5	239	181	140	205	247	223	228	208	317	265	268	190	353,900
Subcontractors	54	737	761	689	803	824	941	981	1,000	1,037	975	881	836	1,009,211
Electrical	10	90	88	61	90	90	101	105	108	110	88	84	85	138,309
Heating and plumbing	10	160	145	140	147	157	159	173	200	212	227	215	180	318,972
Heating and piping	7	78	74	68	75	84	80	69	118	124	129	122	60	136,762
Plumbing and automatic sprinkler systems	7	30	32	35	36	37	38	41	42	30	42	45	44	66,840
Plumbing and heating combined	5	43	39	37	36	36	32	33	40	40	56	48	46	66,370
Painting and decorating	3	65	76	78	93	103	141	141	158	167	119	100	106	208,178
Roofing and sheet-metal work	6	65	70	73	68	60	68	65	60	81	82	81	70	109,856
Elevator construction, steel erection, ornamental iron and metal work, n. e. s.	5	54	53	53	63	64	62	66	70	65	61	64	71	103,538
Stone work	3	251	252	164	245	210	247	263	266	251	240	213	236	555,410
Marble and tiling	3	26	36	34	23	20	30	24	18	25	28	25	26	64,238
Other classes ¹²	5	26	41	56	74	111	133	144	122	126	130	99	53	125,671
<i>Length of working week</i>														
General contractors	39	854	788	900	1,228	1,465	1,409	1,515	1,557	1,505	1,537	1,577	1,381	2,393,498
40-hour, 5-day week	1	5	5	10	12	12	7	10	9	11	4	2	1	11,694
45-hour, 5-day week														
50-hour, 5-day week														
All other 5-day week														
44-hour, 5½-day week	20	480	465	504	700	869	864	922	957	904	907	903	808	1,521,768
49½-hour, 5½-day week														
55-hour, 5½-day week	4	44	37	45	63	73	87	84	94	69	62	70	50	93,350
All other 5½-day week	1	80	70	101	174	162	111	134	99	69	100	142	104	264,155
48-hour, 6-day week	5	216	173	120	193	261	254	250	293	320	260	267	197	362,629
54-hour, 6-day week	1	24	24	49	58	55	55	70	70	82	99	92	68	94,058
All other 6-day week														
All other not designated														
Not reported	1	5	5	2	24	33	31	45	35	44	33	11	3	45,888
Subcontractors	54	737	761	689	803	824	941	981	1,000	1,037	975	881	836	1,009,211
40-hour, 5-day week	5	45	50	50	51	47	53	64	78	81	78	77	60	98,816
45-hour, 5-day week														
50-hour, 5-day week														
All other 5-day week														
44-hour, 5½-day week	35	379	390	345	419	411	472	477	504	512	406	445	473	872,267
49½-hour, 5½-day week	3	16	16	17	24	24	19	21	22	20	17	17	18	34,600
55-hour, 5½-day week	6	157	157	134	130	120	145	149	142	143	140	128	125	258,292
All other 5½-day week														
48-hour, 6-day week	4	21	38	54	72	103	112	123	102	113	124	81	36	107,950
54-hour, 6-day week														
60-hour, 6-day week	1	119	110	89	107	110	135	147	152	168	150	133	124	297,200
All other 6-day week														
All other not designated														
Not reported														

¹ Includes establishments reporting manufacturing building only. ² Includes roofing and sheet metal combined.
³ Includes operative builders and establishments reporting commercial building only. ⁴ Includes operative builders.
⁵ Includes highway, grading, sewer, gas, water, and conduit; dredging, river, harbor, etc.; and foundation.
⁶ Includes carpentry and woodflooring; steel erection; marble and tiling; and ornamental ironwork.
⁷ Includes street paving; sewer, gas, water, and conduit; and foundation.
⁸ Includes plumbing and heating combined.
⁹ Includes elevator construction; wrecking; excavating; and ornamental ironwork.
¹⁰ Includes establishments reporting commercial building only.
¹¹ Includes grading, sewer, gas, water, and conduit; dam and reservoir; dredging, river and harbor, etc.
¹² Includes carpentry and woodflooring; concreting; wrecking; and grading.

CONSTRUCTION—CONNECTICUT

TABLE 8.—EXPENDITURES OF REPORTING ESTABLISHMENTS: 1929

CLASSIFICATION OF ESTABLISHMENTS	Es-tab-lish-ments re-port-ing	Value of construction business reported	PRINCIPAL ITEMS OF EXPENDITURE			OTHER ITEMS OF EXPENDITURE								
			Sub-contract 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.					
CONNECTICUT	767	\$100,073,532	\$19,586,000	\$30,645,875	\$34,401,528	\$684,087	\$5,918,814	\$477,800	\$391,915	\$463,587	\$173,999	\$1,065,400	\$8,518,429	
Operative builders	18	1,315,349	495,000	251,761	398,374	18,800	44,450	-----	1,573	16,145	-----	8,607	26,126	
General contractors	361	78,930,671	18,174,000	21,063,463	20,210,839	373,933	3,850,068	427,395	114,404	325,641	166,524	784,762	4,466,474	
Building	286	50,362,514	17,066,000	13,197,113	13,595,225	340,763	2,215,807	26,838	74,800	190,355	50,551	390,628	1,490,384	
Building, not specialized	169	38,709,431	13,076,000	10,432,025	10,116,999	191,031	1,905,867	19,522	60,983	124,658	47,026	323,323	1,202,025	
Commercial building only	3	1,747,320	750,000	400,100	365,233	5,720	35,260	625	2,300	4,737	2,025	13,067	20,014	
Manufacturing building only	3	906,250	307,000	173,067	294,725	9,850	15,112	-----	728	1,042	-----	7,607	71,263	
Residential building only	103	8,909,504	2,834,000	2,191,321	2,818,268	143,162	199,568	6,791	10,798	65,918	1,500	55,641	101,082	
Highway	25	15,524,073	765,000	5,204,532	4,127,984	7,530	918,233	253,478	17,301	87,932	89,582	244,414	2,068,315	
Bridge, culvert, and railroad	5	1,534,881	14,000	470,802	695,470	-----	128,004	18,659	1,556	741	6,260	24,111	117,114	
Grading	11	926,533	-----	405,275	128,621	-----	87,398	26,405	3,158	1,161	1,023	17,819	122,310	
Street paving	12	1,708,313	42,000	547,855	582,121	4,680	193,615	38,295	2,850	6,822	12,765	28,197	261,788	
Sewer, gas, water, conduit	6	478,818	15,000	177,000	122,119	-----	23,674	7,320	600	4,226	1,789	10,027	82,038	
Dam, reservoir, and waterworks	3	1,106,831	6,000	342,343	388,147	6,760	178,674	35,431	1,192	1,623	226	21,396	59,873	
Dredging, river, harbor, etc.	0	1,176,520	207,000	350,799	222,288	-----	93,010	7,590	3,120	11,676	3,122	23,143	166,892	
Foundation	7	1,052,215	59,000	307,648	348,804	5,200	73,658	13,379	10,288	10,207	1,200	16,027	97,760	
Subcontractors	388	31,727,512	917,000	9,330,651	13,792,315	571,204	2,022,287	40,905	275,938	121,801	7,475	272,031	2,325,829	
Carpentry and wood flooring	8	349,376	19,000	100,395	153,909	24,837	5,780	-----	60	299	60	2,502	13,360	
Concrete	15	1,260,440	11,000	505,295	497,538	30,018	50,983	2,704	2,452	7,437	1,245	15,272	105,543	
Electrical	45	3,068,323	1,000	918,702	1,349,405	33,873	237,387	510	53,198	12,720	814	19,058	235,988	
Elevator construction	3	571,410	83,000	105,854	171,060	-----	30,654	-----	300	-----	5	3,220	114,366	
Heating and plumbing	184	15,033,330	441,000	3,675,838	7,678,250	269,367	389,692	1,560	148,377	50,167	3,886	72,596	996,321	
Heating and pipe covering	54	6,766,370	371,000	1,404,089	3,520,473	76,015	505,789	-----	54,078	18,520	1,288	34,320	531,968	
Plumbing and automatic sprin-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
Kler systems	78	4,948,493	51,000	1,311,738	2,427,218	169,061	215,108	1,560	63,212	24,527	1,306	24,174	285,484	
Plumbing and heating combined	52	3,319,067	19,000	899,411	1,730,565	64,291	163,795	-----	31,497	7,110	1,292	14,093	177,874	
Masonry	13	632,688	24,000	278,956	107,572	18,420	3,136	1,680	1,296	1,590	-----	8,502	10,787	
Painting and decorating	32	1,893,208	-----	1,049,789	392,083	74,121	78,889	-----	14,997	12,274	120	30,746	101,893	
Plastering	10	965,291	65,000	547,609	276,670	18,357	16,473	300	398	4,044	-----	12,077	43,100	
Roofing and sheet metal work	33	2,391,659	175,000	564,246	1,092,105	42,151	156,519	2,340	26,931	5,056	200	27,410	148,008	
Roofing	24	1,795,315	152,000	420,633	736,667	30,290	105,990	-----	20,991	3,434	200	23,104	117,259	
Sheet-metal work	9	596,344	23,000	134,613	305,438	11,861	50,529	2,340	5,940	1,622	-----	4,300	30,839	
Steel erection	4	1,644,047	-----	237,167	718,010	-----	227,030	2,050	600	2,633	25	30,510	103,301	
Stone work	4	1,110,857	11,000	574,277	155,807	-----	118,027	1,106	846	5,488	-----	10,893	80,221	
Marble and tiling	16	1,112,432	43,000	301,881	506,622	22,450	56,265	2,520	18,148	8,180	-----	9,315	67,855	
Wrecking	4	203,617	5,000	79,377	-----	5,200	33,227	67	1,200	1,110	-----	13,707	61,752	
Excavating	5	495,237	5,000	164,836	72,044	-----	21,730	28,936	4,200	6,568	780	9,548	105,103	
Ornamental iron and metal work, n. & s.	8	382,055	34,000	161,595	501,030	-----	88,267	-----	1,625	2,223	350	4,062	76,343	
Grading	4	183,022	-----	74,834	29,593	2,500	8,222	6,082	-----	1,820	-----	954	47,799	
BRIDGEPORT	79	12,457,301	2,254,000	3,625,707	4,180,775	99,483	792,441	57,308	41,105	35,778	14,655	135,599	675,166	
General contractors	34	8,494,988	2,125,000	2,360,072	2,433,647	43,423	545,316	55,148	13,886	24,533	14,110	94,563	437,452	
Building	27	7,151,798	2,103,000	1,924,229	2,195,440	48,423	304,180	5,720	5,966	17,380	4,656	70,230	275,922	
Building, not specialized	20	6,857,230	1,988,000	1,877,746	2,056,072	43,523	301,080	5,020	5,966	17,234	4,656	69,076	273,285	
Residential building only	7	294,662	115,000	46,483	300,368	4,000	3,100	600	-----	146	-----	1,163	2,637	
Other classes	7	1,343,140	22,000	436,843	238,207	-----	181,136	49,428	7,920	7,153	9,463	24,324	161,530	
Subcontractors	45	3,062,363	120,000	1,265,635	1,747,128	51,060	247,125	2,100	27,210	11,245	536	41,036	237,653	
Concreting and masonry	3	155,793	6,000	44,137	62,698	3,432	10,091	-----	1,435	357	44	1,893	16,123	
Electrical	6	545,189	-----	164,809	233,848	5,600	21,428	-----	7,280	2,038	-----	2,407	69,881	
Heating and plumbing	19	1,553,047	21,000	371,760	843,380	16,781	110,077	-----	12,430	2,720	172	6,478	63,933	
Heating and piping	4	628,962	2,000	153,140	350,566	4,801	46,249	-----	1,512	2,110	23	2,443	25,882	
Plumbing	9	511,735	15,000	112,073	271,155	7,560	31,684	-----	5,578	271	-----	1,671	21,094	
Plumbing and heating combined	6	414,350	4,000	105,647	221,659	4,420	32,144	-----	5,340	330	149	2,364	10,987	
Painting and decorating	4	312,424	-----	197,457	73,838	5,720	3,900	-----	2,618	769	120	6,071	13,773	
Plastering and lathing	3	448,664	50,000	236,423	117,175	-----	10,233	-----	-----	2,347	-----	7,143	17,615	
Roofing and sheet metal work	4	376,232	38,000	58,832	216,971	9,740	7,200	-----	1,650	-----	200	5,304	16,385	
Elevator construction, steel erection and ornamental iron	3	385,342	5,000	121,611	111,891	-----	75,096	2,000	300	2,956	-----	10,384	46,838	
Other classes	3	185,672	-----	70,595	87,327	9,887	9,100	160	1,500	58	-----	1,346	6,200	
HARTFORD	104	16,805,520	5,185,000	4,947,317	6,042,405	180,063	1,053,679	35,811	87,454	64,327	49,335	186,699	1,155,209	
General contractors	40	13,174,218	4,837,000	3,101,279	3,180,440	3,765	622,801	32,535	29,368	39,647	46,761	128,247	649,624	
Building	32	9,736,279	4,406,000	2,075,134	2,327,570	3,765	401,561	3,341	19,426	24,275	11,769	76,508	147,026	
Building, not specialized	22	7,072,798	3,660,000	1,653,910	1,942,478	1,745	346,960	2,841	16,318	20,731	9,769	63,781	182,344	
Commercial building only	3	902,373	429,000	198,589	160,790	-----	12,100	500	180	1,503	2,000	6,149	7,915	
Residential building only	7	861,108	317,000	222,670	224,302	7,020	42,511	-----	2,928	2,041	-----	6,878	7,667	
Highway	4	2,490,000	431,000	764,474	460,869	-----	150,294	22,543	3,124	9,297	24,615	42,534	378,601	
Other classes	4	947,030	-----	201,671	392,077	-----	70,946	6,651	6,818	0,076	10,477	9,205	128,097	
Subcontractors	64	6,631,302	328,000	1,846,038	2,861,959	121,288	430,878	3,276	68,086	24,680	2,574	58,452	505,585	
Concreting	4	266,266	-----	90,613	92,174	16,983	20,717	-----	592	2,195	21	2,106	17,605	
Electrical	6	697,808	-----	167,119	263,610	10,400	60,984	450	4,771	3,121	135	4,113	34,890	
Heating and plumbing	25	3,142,098	128,000	733,706	1,634,694	43,759	219,575	600	40,396	6,902	1,663	15,379	215,444	
Heating and pipe covering	14	2,067,076	118,000	405,910	1,113,562	21,220	140,744	-----	24,325	3,440	1,128	9,915	155,022	
Plumbing														

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

CLASSIFICATION OF ESTABLISHMENTS	Estab-lishments 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 pro- priums	Com- pen- sation and liability in- surance pre- miums	All other over- head ex- penses
						Propri- etors and firm members	Em- ploy- ees	Equip- ment	Offices, etc.				
NEW HAVEN	103	\$16,100,934	\$2,818,000	\$4,626,223	\$4,807,076	\$109,495	\$1,177,975	\$92,223	\$84,243	\$95,428	\$9,424	\$161,474	\$1,006,184
General contractors.....	42	10,868,035	2,666,000	2,873,057	2,890,589	58,384	770,251	87,716	18,215	50,047	8,709	112,262	643,276
Building.....	30	6,713,208	2,633,000	1,562,458	1,519,935	58,384	290,122	2,139	13,272	21,695	2,027	45,670	190,163
Building, not specialized ¹	24	6,238,217	2,484,000	1,469,573	1,346,838	40,884	283,180	2,139	12,446	16,698	2,027	42,901	172,907
Residential building only.....	6	475,081	140,000	92,885	173,097	17,500	6,042	832	5,027	5,027	—	2,769	17,166
Highway and street paving.....	4	1,996,613	26,000	620,508	592,668	—	195,483	35,987	0,017	32,915	5,267	20,467	205,530
Bridge, culvert, and railroad.....	3	1,025,781	6,000	327,602	453,578	—	68,448	14,159	1,290	37	715	17,430	66,714
Other classes ¹⁰	5	1,133,243	1,000	353,399	330,408	—	195,198	35,431	2,780	4,400	700	28,755	80,860
Subcontractors.....	61	5,231,909	152,000	1,753,166	1,910,480	51,111	398,724	4,507	66,028	36,381	715	49,212	462,908
Electrical.....	11	649,729	—	190,951	298,480	7,493	51,285	—	18,354	3,470	100	4,104	59,511
Elevator construction, steel erection, ornamental iron, and metal work, n. e. s.....	5	452,875	48,000	103,538	162,572	—	45,748	50	805	1,758	—	3,978	97,800
Heating and plumbing.....	22	1,545,630	44,000	365,025	798,609	9,880	89,780	—	32,375	11,450	335	6,743	110,394
Heating and piping.....	8	796,700	18,000	190,102	412,540	—	51,581	—	17,332	4,385	5	3,643	65,031
Plumbing and automatic sprinkler systems.....	9	511,468	20,000	103,393	208,217	9,880	15,046	—	6,031	4,443	112	1,900	37,014
Plumbing and heating combined.....	5	237,405	6,000	60,370	117,930	—	22,553	—	8,112	2,622	218	1,140	12,849
Painting and decorating.....	3	413,445	—	298,178	70,241	14,838	13,659	—	—	6,954	—	4,665	21,712
Roofing and sheet metal work.....	8	467,423	39,000	132,747	185,104	5,200	43,633	—	7,085	2,699	—	6,218	40,930
Stone work.....	3	1,077,016	11,000	555,449	145,980	—	114,127	1,100	840	5,208	—	10,223	85,341
Marble and tiling.....	4	279,049	—	70,707	134,418	5,000	20,660	—	5,093	4,574	—	6,624	15,400
Other classes ¹¹	5	346,823	10,000	125,671	105,926	8,700	20,542	3,351	300	898	280	6,667	28,320

¹ Includes roofing and sheet metal work combined.
² Includes operative builders.
³ Includes operative builders and establishments reporting manufacturing building only.
⁴ Includes highway; grading; sewer, gas, water, and conduit; dredging, river and harbor, etc.; and foundation.
⁵ Includes carpentry and marble and tiling.
⁶ Includes street paving; sewer, gas, water and conduit; and foundation.
⁷ Includes plumbing and heating combined.
⁸ Includes carpentry, elevator construction; wrecking; excavating; and ornamental iron work.
⁹ Includes establishments reporting commercial or manufacturing building only.
¹⁰ Includes grading; sewer, gas, water and conduit; dam and reservoir; dredging, river and harbor, etc.
¹¹ Includes carpentry and woodflooding; concreting; wrecking; and grading.

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- tractors ²		Subcon- tractors	All classes of estab-lishments				General con- tractors ²	Subcon- tractors	
	Amount	Per cent distribution	Per \$1,000 construction work done ¹				Amount	Per cent distribution	Per \$1,000 construction work done ¹	General con- tractors ²			Subcon- tractors
CONNECTICUT					CONNECTICUT—Continued								
All kinds of material.....	\$35,082,863		\$395.16	\$21,009,456	\$14,073,437	Distributed by kind—Continued.							
Distribution not reported.....	9,041,290	25.8		6,361,252	2,680,038	Roofing and sheet metal.....	\$1,222,442	4.7	\$18.55	\$121,603	\$1,100,839		
Distributed by kind.....	26,041,603	100.0		14,648,204	11,393,399	Finished flooring other than cement, wood, or tile.....	120,357	.5	1.88	120,107	250		
Sand, gravel, crushed stone, etc.....	2,759,030	10.6	41.87	2,493,663	265,467	Screens, shades, awnings, etc.....	46,675	.2	.71	44,675	2,000		
Brick (face, common, fire, paving).....	1,299,141	5.0	19.71	1,215,414	83,727	Heating and ventilating equipment.....	3,122,923	12.0	47.39	69,189	3,053,734		
Tile, fireproofing.....	111,938	.4	1.70	84,951	26,987	Plumbing and gas-fitting equip- ment.....	2,476,775	9.5	37.58	61,300	2,415,475		
Tile, facing, terra cotta, etc.....	309,019	1.2	4.64	101,048	204,971	Electrical appliances and supplies.....	1,403,280	5.4	21.29	45,763	1,357,517		
Concrete and cinder block.....	275,900	1.1	4.18	244,323	31,577	Elevators, dumb-waiters, etc.....	187,735	.7	2.85	15,925	171,810		
Cut stone, granite, and marble.....	727,168	2.8	11.03	520,329	206,839	Pipe: Drain tile, vitrified, concrete, etc.....	195,297	.7	2.96	173,385	21,962		
Riprap, rubble, etc.....	117,111	.5	1.78	97,928	19,183	Pipe: Cast iron, sheet and tube steel, etc.....	212,011	.8	3.22	91,856	120,155		
Cement.....	2,020,680	7.8	30.46	1,696,479	324,101	Wire cable, guards and fencing.....	1,420,903	5.4	1.26	81,493	1,500		
Lime.....	166,631	.6	2.53	135,664	66,037	Bituminous paving materials.....	460,041	1.8	6.98	451,528	5,513		
Plaster.....	381,273	1.5	5.78	314,686	66,587	Wood piling and timber.....	31,810	.1	.48	31,810	—		
Structural steel.....	1,166,595	4.5	17.70	460,595	716,000	Ready-mixed concrete.....	518	(9)	.01	518	—		
Reinforcing steel.....	460,668	1.8	6.99	403,425	52,243	Freight, hauling or trucking.....	31,587	.1	.48	27,425	4,162		
Cast iron, miscellaneous.....	32,528	.1	.49	27,595	4,933	Chemicals and chemical products.....	140	(9)	(9)	—	140		
Metal doors, windows, and trim.....	129,240	.5	1.96	128,715	525	Metal products, n. e. s., including metal furniture.....	321,294	1.2	4.83	5,530	315,764		
Metal and wire lath and furring.....	112,656	.4	1.71	91,771	20,885	Mineral products (nonmetallic).....	1,420	(9)	.02	400	1,020		
Ornamental metal work.....	104,472	.4	1.58	36,590	67,882	Sealing materials.....	463	(9)	.01	463	—		
Lumber, rough and finished.....	3,080,278	11.8	46.74	2,967,480	112,798	Textiles and caulking materials.....	41	(9)	(9)	41	—		
Lath, shingles and shakes (wood).....	215,867	.8	3.28	198,198	17,669	Miscellaneous.....	235,462	.9	3.57	180,239	55,223		
Millwork.....	1,324,809	5.1	20.10	1,269,352	55,457								
Composition board.....	135,297	.5	2.05	95,291	37,006								
Waterproofing materials.....	64,505	.2	.98	45,658	18,847								
Hardware, rough and finished.....	358,594	1.4	5.44	345,561	9,943								
Paints, varnishes, and glass.....	538,099	2.1	8.16	148,988	389,111								

See footnotes at end of table.

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	General contractors ²			Subcontractors
BRIDGEPORT					HARTFORD—Continued							
All kinds of material.....	\$4,263,760		\$412.27	\$2,457,269	\$1,796,500	Distributed by kind—Continued.						
Distribution not reported.....	1,260,478	29.6		626,282	634,196	\$14,074	0.3	\$1.17	\$4,700	\$9,374		
Distributed by kind.....	2,993,291	100.0		1,830,987	1,162,304	Composition board.....	16,857	0.3	1.40	8,220	8,637	
Sand, gravel, crushed stone, etc.....	116,121	3.8	15.85	99,186	15,935	Waterproofing materials.....	49,233	1.0	4.11	48,276	1,007	
Brick (face, common, fire, paving).....	409,320	13.0	65.96	397,058	9,262	Hardware, rough and finished.....	43,525	9.9	3.63	6,418	37,107	
Tile, fireproofing.....	11,880	0.4	1.64	11,886		Roofing and sheet metal.....	342,758	6.9	28.56	4,695	338,063	
Tile, facing, terra cotta, etc.....	84,080	1.1	4.69	14,230	19,850	Finished flooring other than cement, wood or tile.....	6,395	0.1	0.53	6,395		
Concrete and cinder block.....	68,748	2.3	9.47	53,932	14,816	Screens, shades, awnings, etc.....	3,632	0.1	0.30	3,632		
Cut stone, granite, and marble.....	79,383	2.7	10.93	76,903	2,480	Heating and ventilating equipment.....	1,066,850	21.4	88.91	11,600	1,055,250	
Riprap, rubble, etc.....	16,899	0.6	2.32	9,024	7,875	Plumbing and gas-fitting equipment.....	409,724	8.2	34.15	11,248	398,476	
Cement.....	54,873	1.8	7.56	41,573	13,300	Electrical appliances and supplies.....	283,197	5.7	23.60	4,900	278,297	
Lime.....	24,255	0.8	3.34	10,918	13,337	Elevators, dumb-waiters, etc.....	99,660	2.0	8.31		99,660	
Plaster, etc.....	91,221	3.0	12.57	56,838	34,383	Pipe: Drain tile, vitrified, concrete, etc.....	13,348	0.3	1.11	13,348		
Structural steel.....	232,255	7.8	31.99	176,430	56,825	Pipe: Cast iron, sheet and tube steel, etc.....	15,849	0.3	1.32	11,849	4,000	
Reinforcing steel.....	87,293	2.9	12.02	87,093	200	Wire cable, guards, and fencing.....	21,230	0.4	1.77	21,239		
Cast iron, miscellaneous.....	2,660	0.1	0.36	2,650		Bituminous paving materials.....	114,576	2.3	9.55	114,570		
Metal doors, windows, and trim.....	33,068	1.1	4.56	33,068		Metal products, n. e. s., including metal furniture.....	42	(*)	(*)	42		
Metal and wire lath and furring.....	14,504	0.5	1.99	10,604	3,900	Miscellaneous.....	39,588	0.8	3.30	28,007	11,581	
Ornamental metal work.....	2,120	0.1	0.20	2,120		NEW HAVEN						
Lumber, rough and finished.....	206,003	6.9	40.77	285,968	10,035	All kinds of material.....	4,807,075		361.90	2,896,589	1,910,486	
Lath, shingles and shakes (wood).....	20,716	0.7	2.85	14,626	6,090	Distribution not reported.....	1,343,944	28.0		1,280,045	50,999	
Millwork.....	235,596	7.9	32.45	209,944	25,652	Distributed by kind.....	3,463,131	100.0		1,609,044	1,853,487	
Composition board.....	18,672	0.6	2.57	12,236	6,436	Sand, gravel, crushed stone, etc.....	218,332	6.3	22.82	164,134	54,198	
Waterproofing materials.....	6,471	0.2	0.89	4,766	1,705	Brick (face, common, fire, paving).....	176,771	5.1	18.47	167,774	8,997	
Hardware, rough and finished.....	62,073	2.1	8.55	58,951	3,122	Tile, fireproofing.....	7,733	0.2	0.81	3,172	4,611	
Paints, varnishes, and glass.....	39,480	1.3	12.32	15,566	23,914	Tile, facing, terra cotta, etc.....	91,385	2.6	0.55	40,336	51,049	
Roofing and sheet metal.....	289,584	9.0	37.13	36,093	232,891	Concrete and cinder block.....	88,785	2.6	0.28	88,774	11	
Finished flooring other than cement, wood, or tile.....	13,251	0.4	1.83	13,091	250	Cut stone, granite, and marble.....	137,991	4.0	14.42	47,662	90,339	
Screens, awnings, shades, etc.....	3,195	0.1	0.44	3,195		Riprap, rubble, etc.....	18,292	0.5	1.91	18,292		
Heating and ventilating equipment.....	133,818	4.5	18.43	14,815	119,003	Cement.....	210,012	6.3	22.89	131,250	87,762	
Plumbing and gas-fitting equipment.....	223,444	7.5	30.78	1,290	222,154	Lime.....	24,891	0.7	2.60	29,156	1,785	
Electrical appliances and supplies.....	235,457	7.9	32.43	1,609	233,843	Plaster, etc.....	57,885	1.7	0.65	57,043	842	
Elevators, dumb-waiters, etc.....	13,050	0.4	1.80	1,050	12,000	Structural steel.....	112,933	3.3	11.81	68,639	44,360	
Pipe: Drain tile, vitrified, concrete, etc.....	27,171	0.9	3.74	20,671	6,500	Reinforcing steel.....	36,963	1.1	3.86	29,844	7,119	
Pipe: Cast iron, sheet and tube steel, etc.....	12,368	0.4	1.70	68	12,300	Cast iron, miscellaneous.....	2,208	0.1	0.23	2,208		
Wire cable, guards and fencing.....	4,534	0.2	0.62	4,534		Metal doors, windows, and trim.....	13,673	0.4	1.43	13,673		
Bituminous paving materials.....	30,098	1.0	4.15	30,098		Metal and wire lath and furring.....	11,397	0.3	1.19	10,641	756	
Wood piping and timber.....	6,752	0.2	0.93	6,752		Ornamental metal work.....	51,541	1.5	5.35	10,969	40,572	
Ready-mixed concrete.....	518	(*)	0.07	518		Lumber, rough and finished.....	383,732	11.1	40.10	367,728	16,004	
Metal products, n. e. s., including metal furniture.....	2,407	0.1	0.33	2,407		Lath, shingles and shakes (wood).....	10,126	0.3	1.06	10,126		
Miscellaneous.....	13,967	0.5	1.02	8,710	5,251	Millwork.....	123,723	3.6	12.93	102,600	21,123	
HARTFORD					HARTFORD—Continued							
All kinds of material.....	6,225,705		415.85	3,271,617	2,954,088	Composition board.....	18,544	0.5	1.92	2,518	16,026	
Distribution not reported.....	1,236,030	19.9		798,320	437,704	Waterproofing materials.....	18,434	0.5	1.92	12,534	5,900	
Distributed by kind.....	4,989,675	100.0		2,473,291	2,516,384	Hardware, rough and finished.....	32,706	0.9	3.43	30,230	2,560	
Sand, gravel, crushed stone, etc.....	598,789	12.0	40.91	553,773	45,016	Roofing and sheet metal.....	110,073	3.2	11.60	27,125	82,948	
Brick (face, common, fire, paving).....	224,400	4.5	18.70	223,770	634	Finished flooring other than cement, wood or tile.....	189,532	5.5	10.80	6,950	182,582	
Tile, fireproofing.....	49,014	1.0	4.08	31,014	18,000	Screens, shades, awnings, etc.....	13,566	0.4	1.42	13,566		
Tile, facing, terra cotta, etc.....	73,214	1.5	6.10	4,595	68,619	Heating and ventilating equipment.....	2,610	0.1	0.27	2,610		
Concrete and cinder block.....	71,532	1.4	5.96	64,334	7,198	Plumbing and gas-fitting equipment.....	366,428	10.6	38.29	15,000	351,428	
Cut stone, granite, and marble.....	272,788	5.5	22.73	202,805	60,083	Electrical appliances and supplies.....	277,393	8.0	28.95		277,393	
Riprap, rubble, etc.....	1,200	(*)	0.10	1,200		Elevators, dumb-waiters, etc.....	308,255	8.0	32.21	8,070	300,185	
Cement.....	367,356	7.4	30.61	306,636	60,820	Pipe: Drain tile, vitrified, concrete, etc.....	71,000	2.1	7.42	11,000	60,000	
Lime.....	31,845	0.6	2.61	31,028	817	Pipe: Cast iron, sheet and tube steel, etc.....	17,275	0.5	1.81	14,618	2,657	
Plaster, etc.....	52,274	1.0	4.36	52,169	105	Wire cable, guards, and fencing.....	90,655	2.6	0.47	4,000	86,655	
Structural steel.....	75,733	1.5	6.81	75,733		Bituminous paving materials.....	25	(*)	(*)	25		
Reinforcing steel.....	48,737	1.0	4.00	47,606	1,131	Freight, hauling or trucking.....	70,135	2.0	7.33	65,842	4,293	
Cast iron, miscellaneous.....	2,598	0.1	0.22	2,598		Metal products, n. e. s., including metal furniture.....	532	(*)	0.05	532		
Metal doors, windows, and trim.....	31,207	0.6	2.60	31,207		Miscellaneous.....	20,000	0.6	2.09		20,000	
Metal and wire lath and furring.....	33,425	0.7	2.79	33,425	123		68,405	2.0	7.15	37,053	31,352	
Ornamental metal work.....	170	(*)	0.01	170								
Lumber, rough and finished.....	285,413	5.7	23.79	282,609	2,804							
Lath, shingles and shakes (wood).....	8,451	0.2	0.70	8,451								
Millwork.....	221,372	4.4	18.45	221,240	132							

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 sum of construction work done under general contract or directly for owners and that done under subcontract.
² Includes operative builders.
³ Less than one-tenth of 1 per cent.
⁴ Less than 1 cent.

CONSTRUCTION—CONNECTICUT

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 distributed materials							Total cost				Cost of all distributed materials
CONNECTICUT						CONNECTICUT—Continued									
<i>Sand, gravel, crushed stone, slag, cinders, etc.</i>						<i>Cement</i>									
All classes.....	\$20,041,603	\$2,750,030	100.0	10.0	\$78,292,552	81.4	All classes.....	\$20,041,603	\$2,020,580	100.0	7.8	\$78,292,552	81.4		
General contractors ²	14,048,204	2,493,503	90.4	17.0	52,261,737	74.7	General contractors ²	14,048,204	1,066,479	84.0	11.0	52,261,737	74.7		
Building.....	9,962,372	513,800	18.0	5.2	36,230,566	65.0	Building.....	9,962,372	685,270	20.0	5.9	36,230,566	65.0		
Building, not specialized ³	7,432,010	423,702	15.4	5.7	28,000,652	65.7	Building, not specialized ³	7,432,010	504,374	25.0	6.8	28,000,652	65.7		
Commercial building only.....	351,606	58,482	2.1	16.0	1,583,582	50.8	Commercial building only.....	351,606	23,114	1.0	0.6	1,583,582	50.8		
Residential building only.....	1,884,031	31,610	1.1	1.7	6,050,073	67.8	Residential building only.....	1,884,031	57,782	2.9	3.1	6,050,073	67.8		
Highway.....	3,414,598	1,560,257	56.0	45.7	11,475,926	95.1	Highway.....	3,414,598	882,843	43.7	25.9	11,475,926	95.1		
Bridge and culvert.....	57,470	11,995	.4	20.0	193,119	97.0	Bridge and culvert.....	57,470	1,080	.1	1.9	193,119	97.0		
Grading.....	113,791	41,530	1.5	36.5	736,976	100.0	Grading.....	113,791	32,389	1.6	28.5	736,976	100.0		
Street paving.....	582,121	279,768	10.1	48.1	1,708,281	97.6	Street paving.....	582,121	158,602	7.9	27.3	1,708,281	97.6		
Sewer, gas, water, conduit.....	102,619	15,050	.6	15.3	356,925	96.9	Sewer, gas, water, conduit.....	102,619	2,141	.1	2.1	356,925	96.9		
Dam and reservoir.....	22,701	6,490	.2	28.0	73,240	100.0	Dam and reservoir.....	22,701	4,042	.2	17.8	73,240	100.0		
Waterworks.....	92,996	3,740	.1	4.0	216,218	97.2	Waterworks.....	92,996	7,073	.4	7.0	216,218	97.2		
Dredging, river, harbor, etc.....	222,288	33,837	1.2	15.2	899,637	82.4	Dredging, river, harbor, etc.....	222,288	11,804	.6	5.4	899,637	82.4		
Foundation.....	77,248	28,490	1.0	34.8	310,843	94.4	Foundation.....	77,248	10,830	.5	14.0	310,843	94.4		
Subcontractors.....	11,393,300	205,467	9.0	2.3	26,030,815	97.1	Subcontractors.....	11,393,300	324,101	16.0	2.8	26,030,815	97.1		
Concrete.....	473,850	143,992	5.2	30.4	1,212,354	90.1	Concrete.....	473,850	187,820	9.3	30.6	1,212,354	90.1		
Heating and plumbing.....	5,756,113	2,818	.1	(9)	11,101,833	97.1	Heating and plumbing.....	5,756,113	908	(9)	(9)	11,101,833	97.1		
Heating.....	2,850,987	222	(9)	(9)	5,522,252	94.3	Heating.....	2,850,987	320	(9)	(9)	5,522,252	94.3		
Plumbing.....	1,899,298	2,596	.1	.1	3,771,203	99.4	Plumbing.....	1,899,298	544	(9)	(9)	3,771,203	99.4		
Plumbing and heating combined.....	214,108	28,683	1.0	13.4	651,718	96.4	Plumbing and heating combined.....	214,108	38	(9)	(9)	651,718	96.4		
Masonry.....	100,564	10,600	.0	10.3	569,785	93.5	Masonry.....	100,564	34,277	1.7	16.0	569,785	93.5		
Plastering and lathing.....	728,990	3,760	.1	.6	1,649,488	91.5	Plastering and lathing.....	728,990	15,021	.8	9.7	1,649,488	91.5		
Roofing.....	145,986	26,746	1.1	20.4	812,791	99.0	Roofing.....	145,986	1,016	.1	.3	812,791	99.0		
Stonework.....	408,045	3,259	.1	.8	878,657	96.1	Stonework.....	408,045	49,034	2.4	33.0	878,657	96.1		
Marble and tiling.....	72,044	35,000	1.3	49.4	418,887	99.0	Marble and tiling.....	72,044	10,702	.5	2.0	418,887	99.0		
Excavating.....	12,163	1,000	(9)	8.2	93,069	100.0	Excavating.....	12,163	21,834	1.1	30.3	93,069	100.0		
Grading.....							Grading.....		1,920	.1	15.8				
<i>Brick (face, common, fire, paving, etc.)</i>						<i>Plaster, etc.</i>									
All classes.....	26,041,603	1,299,141	100.0	5.0	78,292,552	81.4	All classes.....	26,041,603	381,273	100.0	1.5	78,292,552	81.4		
General contractors ²	14,048,204	1,215,414	93.6	8.3	52,261,737	74.7	General contractors ²	14,048,204	314,586	82.5	2.2	52,261,737	74.7		
Building.....	9,962,372	1,183,810	91.1	11.9	36,230,566	65.0	Building.....	9,962,372	300,389	81.1	3.1	36,230,566	65.0		
Building, not specialized ³	7,432,010	1,002,345	77.2	13.5	28,000,652	65.7	Building, not specialized ³	7,432,010	200,579	52.0	2.7	28,000,652	65.7		
Commercial building only.....	351,606	40,080	3.5	13.1	1,583,582	50.8	Commercial building only.....	351,606	14,570	3.8	4.1	1,583,582	50.8		
Manufacturing building only.....	294,725	60,657	6.2	27.4	506,259	60.5	Manufacturing building only.....	294,725	40,328	10.0	13.7	506,259	60.5		
Residential building only.....	1,884,031	54,734	4.2	2.9	6,050,073	67.8	Residential building only.....	1,884,031	53,009	14.1	2.0	6,050,073	67.8		
Highway.....	3,414,598	11,435	.9	.3	11,475,926	95.1	Highway.....	3,414,598	3,032	.8	.1	11,475,926	95.1		
Bridge and culvert.....	57,470	11,995	.4	20.0	193,119	97.0	Bridge and culvert.....	57,470	1,080	.1	1.9	193,119	97.0		
Grading.....	113,791	3,062	.2	2.7	736,976	100.0	Grading.....	113,791	900	.2	.8	736,976	100.0		
Street paving.....	582,121	785	.1	1.0	1,708,281	97.6	Street paving.....	582,121	5	(9)	(9)	1,708,281	97.6		
Sewer, gas, water, conduit.....	102,619	6,102	.6	5.9	356,925	96.9	Sewer, gas, water, conduit.....	102,619	1,200	.3	1.0	356,925	96.9		
Dam and reservoir.....	22,701	6,490	(9)	1.0	73,240	100.0	Dam and reservoir.....	22,701	4,042	.2	17.8	73,240	100.0		
Waterworks.....	92,996	1,628	.1	1.8	216,218	97.2	Waterworks.....	92,996	7,073	.4	7.0	216,218	97.2		
Dredging, river, harbor, etc.....	222,288	120	(9)	.1	899,637	82.4	Dredging, river, harbor, etc.....	222,288	1,200	.3	1.0	899,637	82.4		
Foundation.....	77,248	8,120	.6	10.5	310,843	94.4	Foundation.....	77,248	1,200	.3	1.0	310,843	94.4		
Subcontractors.....	11,393,399	83,727	6.4	.7	26,030,815	97.1	Subcontractors.....	11,393,399	66,687	17.5	.6	26,030,815	97.1		
Concrete.....	473,850	10,753	.8	2.3	1,212,354	90.1	Concrete.....	473,850	1,550	.4	.3	1,212,354	90.1		
Heating and plumbing.....	5,756,113	1,166	.1	(9)	11,101,833	97.1	Heating and plumbing.....	5,756,113	4	(9)	(9)	11,101,833	97.1		
Heating.....	2,850,987	1,005	.1	(9)	5,522,252	94.3	Heating.....	2,850,987	1,841	.3	0.9	5,522,252	94.3		
Plumbing.....	1,899,298	61	(9)	(9)	3,771,203	99.4	Plumbing.....	1,899,298	748	.2	.5	3,771,203	99.4		
Plumbing and heating combined.....	775,529	100	(9)	(9)	1,500,448	99.4	Plumbing and heating combined.....	775,529	605	.2	.1	1,500,448	99.4		
Masonry.....	214,108	58,381	4.5	27.3	651,718	96.4	Masonry.....	214,108	14,811	3.9	9.9	651,718	96.4		
Plastering and lathing.....	377,812	10	(9)	(9)	1,892,702	100.0	Plastering and lathing.....	377,812	48,939	12.8	30.5	1,892,702	100.0		
Roofing.....	160,564	13,177	1.0	8.2	569,785	93.5	Roofing.....	160,564	748	.2	.5	569,785	93.5		
Stonework.....	408,045	240	(9)	2.0	878,657	96.1	Stonework.....	408,045	605	.2	.1	878,657	96.1		
Marble and tiling.....							Marble and tiling.....								
<i>Cut stone, granite, and marble</i>						<i>Structural steel</i>									
All classes.....	26,041,603	727,168	100.0	2.8	78,292,552	81.4	All classes.....	26,041,603	1,166,595	100.0	4.5	78,292,552	81.4		
General contractors ²	14,048,204	520,829	71.6	2.6	52,261,737	74.7	General contractors ²	14,048,204	450,505	38.0	3.1	52,261,737	74.7		
Building.....	9,962,372	504,119	69.3	5.1	36,230,566	65.0	Building.....	9,962,372	361,610	31.0	3.6	36,230,566	65.0		
Building, not specialized ³	7,432,010	483,656	66.5	6.5	28,000,652	65.7	Building, not specialized ³	7,432,010	290,870	24.9	3.9	28,000,652	65.7		
Commercial building only.....	351,606	17,760	2.4	5.1	1,583,582	56.8	Commercial building only.....	351,606	24,267	2.1	6.0	1,583,582	56.8		
Manufacturing building only.....	294,725	2,797	.4	.1	506,259	60.5	Manufacturing building only.....	294,725	40,328	3.4	13.7	506,259	60.5		
Residential building only.....	1,884,031	54,734	4.2	2.9	6,050,073	67.8	Residential building only.....	1,884,031	6,145	.5	.3	6,050,073	67.8		
Highway.....	3,414,598	11,435	.9	.3	11,475,926	95.1	Highway.....	3,414,598	27,454	2.4	.8	11,475,926	95.1		
Bridge and culvert.....	57,470	11,995	.4	20.0	193,119	97.0	Bridge and culvert.....	57,470	35,041	3.1	62.5	193,119	97.0		
Grading.....	113,791	3,062	.2	2.7	736,976	100.0	Grading.....	113,791	1,000	.1	.9	736,976	100.0		
Street paving.....	582,121	785	.1	1.0	1,708,281	97.6	Street paving.....	582,121	2,103	.2	.4	1,708,281	97.6		
Sewer, gas, water, conduit.....	102,619	6,102	.6	5.9	356,925	96.9	Sewer, gas, water, conduit.....	102,619	4,042	.2	17.8	356,925	96.9		
Dam and reservoir.....	22,701	6,490	(9)	1.0	73,240	100.0	Dam and reservoir.....	22,701	4,042	.2	17.8	73,240	100.0		
Waterworks.....	92,996	1,628	.1	1.8	216,218	97.2	Waterworks.....	92,996	4,066	.4	5.3	216,218	97.2		
Dredging, river, harbor, etc.....	222,288	120	(9)	.1	899,637	82.4	Dredging, river, harbor, etc.....	222,288	16,244	1.4	7.4	899,637	82.4		
Foundation.....	77,248	8,120	.6	10.5	310,843	94.4	Foundation.....	77,248	700	.1	.9	310,843	94.4		
Subcontract															

CONSTRUCTION—CONNECTICUT

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	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—		Total cost				Cost of all distributed materials	Amount	Total cost	Per cent of—				Total cost	Cost of all distributed materials
			Total cost	Cost of all distributed materials								Total cost	Cost of all distributed materials				
CONNECTICUT—Continued							CONNECTICUT—Continued										
<i>Reinforcing steel</i>							<i>Hardware, rough and finished</i>										
All classes.....	\$26,041,603	\$460,668	100.0	1.8	\$78,292,552	81.4	All classes.....	\$26,041,603	\$358,504	100.0	1.4	\$78,292,552	81.4				
General contractors ²	\$14,648,204	408,425	88.6	2.8	452,261,737	74.7	General contractors ²	\$14,648,204	348,501	97.2	2.4	452,261,737	74.7				
Building.....	9,962,372	180,102	39.1	1.8	436,230,566	65.6	Building.....	9,962,372	315,482	88.0	3.2	36,230,566	65.6				
Building, not specialized ³	7,432,010	137,567	29.9	1.9	28,000,552	65.7	Building, not specialized ³	7,432,010	230,442	64.3	3.1	28,000,552	65.7				
Commercial building only.....	351,606	5,550	1.5	1.6	1,583,582	56.8	Commercial building only.....	351,606	5,550	1.5	1.6	1,583,582	56.8				
Manufacturing building only.....	294,725	40,328	8.8	13.7	506,259	59.5	Manufacturing building only.....	294,725	4,033	1.1	1.4	506,259	59.5				
Residential building only.....	1,884,031	2,207	.5	.1	6,050,073	67.8	Residential building only.....	1,884,031	75,457	21.0	4.0	6,050,073	67.8				
Highway.....	3,414,598	218,017	47.3	6.4	11,475,926	95.1	Highway.....	3,414,598	27,217	7.6	.8	11,475,926	95.1				
Bridge and culvert.....	57,470	4,897	1.1	8.5	193,119	97.9	Grading.....	113,791	450	.1	.4	736,076	100.0				
Grading.....	113,791	444	.1	.4	736,076	100.0	Street paving.....	582,121	106	(*)	(*)	1,708,281	97.6				
Street paving.....	582,121	1,528	.3	.3	73,246	100.0	Dam and reservoir.....	22,701	595	.2	2.6	73,246	100.0				
Dam and reservoir.....	22,701	137	(*)	.6	216,218	97.2	Waterworks.....	92,996	1,936	.5	2.1	216,218	97.2				
Waterworks.....	92,996	1,200	.3	1.3	899,637	82.4	Dredging, river, harbor, etc.....	222,288	77,248	.8	1.2	899,637	82.4				
Dredging, river, harbor, etc.....	222,288	2,000	.4	.9	310,843	94.4	Subcontractors.....	\$11,393,399	9,043	2.8	.1	426,030,815	97.1				
Foundation.....	77,248	100	(*)	.1	310,843	94.4	Carpentry.....	137,909	4,307	1.2	3.2	312,862	94.6				
Subcontractors.....	\$11,393,399	52,243	11.3	.5	26,030,815	97.1	Concreting.....	473,850	2,393	.7	.5	1,212,354	99.1				
Concreting.....	473,850	42,044	9.1	8.9	1,212,354	99.1	Masonry.....	214,108	509	.1	.2	651,718	96.4				
Masonry.....	214,108	2,208	.5	1.0	651,718	96.4	Plastering and lathing.....	160,504	572	.1	.4	569,785	93.5				
Plastering and lathing.....	160,504	572	.1	.4	569,785	93.5	Plumbing.....	1,899,298	300	.1	(*)	3,771,203	90.4				
Plumbing.....	1,899,298	300	.1	(*)	3,771,203	90.4	Stone work.....	145,986	7,119	1.5	4.9	812,791	99.0				
Stone work.....	145,986	7,119	1.5	4.9	812,791	99.0	<i>Lumber, rough and finished</i>										
<i>Lumber, rough and finished</i>							<i>Paints, varnishes, glass, etc.</i>										
All classes.....	26,041,603	3,080,278	100.0	11.8	78,292,552	81.4	All classes.....	26,041,603	538,099	100.0	2.1	78,292,552	81.4				
General contractors ²	14,648,204	2,967,480	96.3	20.3	52,261,737	74.7	General contractors ²	\$14,648,204	148,988	27.7	1.0	452,261,737	74.7				
Building.....	9,962,372	2,701,952	89.7	27.7	36,230,566	65.6	Building.....	9,962,372	139,186	25.9	1.4	36,230,566	65.6				
Building, not specialized ³	7,432,010	1,715,346	55.7	23.1	28,000,552	65.7	Building, not specialized ³	7,432,010	92,648	17.2	1.2	28,000,552	65.7				
Commercial building only.....	351,606	59,589	1.9	16.9	1,583,582	56.8	Commercial building only.....	351,606	300	.1	.1	1,583,582	56.8				
Manufacturing building only.....	294,725	40,057	1.3	13.8	506,259	59.5	Manufacturing building only.....	294,725	4,033	.7	1.4	506,259	59.5				
Residential building only.....	1,884,031	946,300	30.7	50.2	6,050,073	67.8	Residential building only.....	1,884,031	42,305	7.9	2.2	6,050,073	67.8				
Highway.....	3,414,598	54,135	1.8	1.0	11,475,926	95.1	Highway.....	3,414,598	2,224	.4	.4	11,475,926	95.1				
Bridge and culvert.....	57,470	2,738	.1	4.8	193,119	97.9	Street paving.....	582,121	33	(*)	(*)	1,708,281	97.6				
Grading.....	113,791	2,805	.1	2.5	736,076	100.0	Dam and reservoir.....	22,701	55	(*)	.2	73,246	100.0				
Street paving.....	582,121	4,627	.2	.8	1,708,281	97.6	Waterworks.....	92,996	1,896	.4	2.0	216,218	97.2				
Sewer, gas, water, conduit.....	102,619	41,023	1.3	40.0	356,925	96.9	Dredging, river, harbor, etc.....	222,288	5,004	1.0	2.5	899,637	82.4				
Dam and reservoir.....	22,701	4,196	.1	18.5	73,246	100.0	Subcontractors.....	\$11,393,399	389,111	72.3	3.4	426,030,815	97.1				
Waterworks.....	92,996	16,490	.5	17.7	216,218	97.2	Carpentry.....	137,909	100	(*)	.1	312,862	94.6				
Dredging, river, harbor, etc.....	222,288	78,514	2.6	35.3	899,637	82.4	Heating.....	2,850,987	270	.1	(*)	5,522,252	94.3				
Foundation.....	77,248	1,000	(*)	1.3	310,843	94.4	Masonry.....	214,108	247	.1	.1	651,718	96.4				
Subcontractors.....	\$11,393,399	112,798	8.7	1.0	426,030,815	97.1	Painting and decorating.....	377,812	375,952	60.9	99.5	1,892,702	100.0				
Carpentry.....	137,909	74,491	2.4	54.0	312,862	94.6	Roofing.....	728,980	913	.2	.1	1,649,488	91.5				
Concreting.....	473,850	23,018	.7	4.9	1,212,354	99.1	Steel erection.....	682,010	7,473	1.4	1.1	1,473,265	100.0				
Heating and plumbing.....	5,756,113	1,023	(*)	(*)	11,191,833	97.1	Stone work.....	145,986	3,697	.7	2.5	812,791	99.0				
Heating.....	2,850,987	11	(*)	(*)	5,522,252	94.3	Ornamental iron work.....	106,381	459	.1	.4	279,200	94.0				
Plumbing.....	1,899,298	1,012	(*)	.1	3,771,203	90.4	<i>Roofing and sheet metal</i>										
Masonry.....	214,108	4,966	.2	2.3	651,718	96.4	All classes.....	26,041,603	1,222,442	100.0	4.7	78,292,552	81.4				
Stone work.....	145,986	6,750	.2	4.6	812,791	99.0	General contractors ²	\$14,648,204	121,603	9.9	.8	452,261,737	74.7				
Marble and tiling.....	408,045	100	(*)	(*)	878,657	96.1	Building.....	9,962,372	120,051	9.8	1.2	36,230,566	65.6				
Excavating.....	72,044	2,450	.1	3.4	418,887	99.0	Building, not specialized ³	7,432,010	70,522	0.2	1.0	28,000,552	65.7				
<i>Millwork</i>							<i>Commercial building only.....</i>										
All classes.....	26,041,603	1,324,809	100.0	5.1	78,292,552	81.4	Manufacturing building only.....	351,606	4,200	.3	1.2	1,583,582	56.8				
General contractors ²	\$14,648,204	1,269,852	95.8	8.7	452,261,737	74.7	only.....	294,725	4,033	.3	1.4	506,259	59.5				
Building.....	9,962,372	1,204,186	95.4	12.7	436,230,566	65.6	Residential building only.....	1,884,031	35,296	2.9	1.9	6,050,073	67.8				
Building, not specialized ³	7,432,010	944,756	71.3	12.7	28,000,552	65.7	Highway.....	3,414,598	38	(*)	(*)	11,475,926	95.1				
Commercial building only.....	351,606	11,117	.3	3.2	1,583,582	56.8	Waterworks.....	92,996	1,449	.1	1.0	216,218	97.2				
Manufacturing building only.....	1,884,031	308,313	23.3	16.4	6,050,073	67.8	Dredging, river, harbor, etc.....	222,288	65	(*)	(*)	899,637	82.4				
Highway.....	3,414,598	4,292	.3	.1	11,475,926	95.1	Subcontractors.....	\$11,393,399	1,100,839	90.1	9.7	426,030,815	97.1				
Street paving.....	582,121	209	(*)	(*)	1,708,281	97.6	Carpentry.....	137,909	90	(*)	.1	312,862	94.6				
Waterworks.....	92,996	587	(*)	.6	216,218	97.2	Concreting.....	473,850	18	(*)	(*)	1,212,354	99.1				
Dredging, river, harbor, etc.....	222,288	87	(*)	(*)	899,637	82.4	Heating and plumbing.....	5,756,113	144,767	11.8	2.5	11,191,833	97.1				
Subcontractors.....	\$11,393,399	55,457	4.2	.5	426,030,815	97.1	Heating.....	2,850,987	37,445	3.1	1.3	5,522,252	94.3				
Carpentry.....	137,909	52,053	3.9	37.7	312,862	94.6	Plumbing.....	1,899,298	77,248	6.3	4.1	3,771,203	90.4				
Concreting.....	473,850	3,243	.7	.7	1,212,354	99.1	Plumbing and heating combined.....	775,529	30,064	2.4	3.9	1,500,448	99.4				
Heating.....	2,850,987	20	(*)	(*)	5,522,252	94.3	Painting and decorating.....	377,812	850	.1	.2	1,892,702	100.0				
Marble and tiling.....	408,045	132	(*)	(*)	878,657	96.1	Plastering and lathing.....	160,504	49	(*)	(*)	569,785	93.5				
							<i>Roofing and sheet metal</i>										
							All classes.....										
							General contractors ²										
							Building.....										
							Building, not specialized ³										
							Commercial building only.....										
							Manufacturing building only.....										
							only.....										
							Residential building only.....										
							Highway.....										
							Street paving.....										
							Dam and reservoir.....										
							Waterworks.....										
							Dredging, river, harbor, etc.....										
							Subcontractors.....										
							Carpentry.....										
							Concreting.....										
							Heating and plumbing.....										
							Heating.....										
							Plumbing.....										
							Plumbing and heating combined.....										
							Painting and decorating.....										
							Plastering and lathing.....										
							Roofing and sheet metal work.....										
							Roofing.....										
							Sheet metal work.....										

See footnotes at end of table.

CONSTRUCTION—CONNECTICUT

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	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				Total cost	Cost of all distributed materials	Cost of all materials distributed by kind	Percent of—				Amount	Total cost	Cost of all distributed materials	
		Amount	Total cost	Cost of all distributed materials								Amount	Total cost						Cost of all distributed materials
CONNECTICUT—Continued							BRIDGEPORT—Continued												
<i>Heating and ventilating equipment and supplies</i>							<i>Sand, gravel, crushed stone, slag, cinders, etc.—Continued</i>												
All classes	\$26,041,603	\$3,122,923	100.0	12.0	\$78,292,552	81.4	Subcontractors	\$1,162,304	\$15,935	13.8	1.4	\$2,789,921	96.8						
General contractors ²	14,648,204	60,180	2.2	.5	52,261,737	74.7	Concreting	12,692	2,487	2.2	19.0	42,288	100.0						
Building	9,962,372	69,189	2.2	.7	30,230,566	65.6	Masonry	7,306	885	.8	12.1	35,399	82.9						
Building, not specialized ²	7,432,010	47,069	1.5	.0	28,000,652	65.7	Plastering	117,175	12,418	10.8	10.0	448,604	86.9						
Commercial building only	351,606	0,000	.3	2.0	1,583,582	56.8	Marble and tiling	23,050	150	.1	.6	61,385	100.0						
Residential building only	1,884,031	12,220	.4	.0	0,050,073	67.8	<i>Brick (face, common, fire, paving, etc.)</i>												
Subcontractors	11,393,399	3,053,734	97.8	20.8	26,030,815	97.1	All classes	2,993,291	406,320	100.0	13.6	8,076,599	81.9						
Heating and plumbing	8,756,113	3,062,302	97.7	63.0	11,191,833	97.1	General contractors ²	1,830,987	397,068	97.7	21.7	5,286,678	74.9						
Heating	2,850,987	2,100,989	67.4	73.9	5,522,252	94.3	Building	1,727,496	397,068	97.7	23.0	4,781,914	70.6						
Pipe covering	154,096	154,096	4.9	100.0	247,800	100.0	Building, not specialized ²	1,326,266	315,951	77.8	23.8	3,917,093	70.0						
Plumbing	1,899,298	420,673	13.5	22.2	3,771,203	99.4	Manufacturing building only	294,725	80,657	19.8	27.4	596,259	80.4						
Plumbing and heating combined	775,520	370,704	11.9	47.8	1,500,448	99.4	Residential building only	106,505	450	.1	.4	268,562	63.2						
Roofing	728,960	1,372	(*)	.2	1,640,488	91.5	Subcontractors	1,162,304	9,262	2.3	.8	2,789,921	96.8						
<i>Plumbing and gas-fitting equipment and supplies</i>							Masonry	7,306	1,082	.3	14.5	35,399	82.9						
All classes	26,041,603	2,470,775	100.0	9.5	78,292,552	81.4	Plastering	117,175	8,200	2.0	7.0	448,604	86.0						
General contractors ²	14,648,204	61,900	2.5	.4	52,261,737	74.7	<i>Concrete and cinder block</i>												
Building	9,962,372	60,188	2.4	.6	30,230,566	65.6	All classes	2,993,291	68,748	100.0	2.3	8,076,599	81.9						
Building, not specialized ²	7,432,010	34,242	1.4	.4	28,000,652	65.7	General contractors ²	1,830,987	53,032	78.4	2.9	5,286,678	74.9						
Commercial building only	351,606	8,000	.3	2.3	1,583,582	56.8	Building	1,727,496	53,032	78.4	3.1	4,781,914	70.6						
Residential building only	1,884,031	17,946	.7	1.0	0,050,073	67.8	Building, not specialized ²	1,326,266	13,064	19.8	1.0	3,917,093	70.0						
Grading	113,781	1,009	(*)	.9	786,076	100.0	Manufacturing building only	294,725	40,328	58.7	13.7	596,259	80.4						
Dam and reservoir	22,701	112	(*)	.5	73,240	100.0	Residential building only	106,505	14,810	21.6	1.3	2,789,921	96.8						
Subcontractors	11,393,399	2,415,475	97.5	21.2	26,030,815	97.1	Subcontractors	1,162,304	10,810	21.6	1.3	2,789,921	96.8						
Concreting	473,860	1,080	(*)	.2	1,212,354	99.1	Concreting	12,692	5,600	8.0	48.3	42,288	100.0						
Heating and plumbing	8,756,113	3,414,395	97.5	41.9	11,191,833	97.1	Masonry	7,306	674	1.0	9.2	35,399	82.9						
Heating	2,850,987	685,610	27.9	24.0	5,522,252	94.3	Plastering	117,175	8,042	12.6	7.4	448,604	86.9						
Plumbing	1,899,298	1,869,106	55.3	72.1	3,771,203	99.4	<i>Cut stone, granite, and marble</i>												
Plumbing and heating combined	775,520	361,778	14.0	46.6	1,500,448	99.4	All classes	2,993,291	79,383	100.0	2.0	8,076,599	81.9						
<i>Electrical appliances and supplies</i>							General contractors ²	1,830,987	76,903	99.0	4.2	5,286,678	74.9						
All classes	26,041,603	1,408,280	100.0	5.4	78,292,552	81.4	Building	1,727,496	76,903	99.0	4.4	4,781,914	70.6						
General contractors ²	14,648,204	45,763	3.3	.3	52,261,737	74.7	Building, not specialized ²	1,326,266	70,003	98.5	5.8	3,917,093	70.0						
Building	9,962,372	45,763	3.3	.5	30,230,566	65.6	Residential building only	106,505	300	.4	.3	268,562	63.2						
Building, not specialized ²	7,432,010	28,428	2.0	.4	28,000,652	65.7	Subcontractors	1,162,304	2,480	3.1	.2	2,789,921	96.8						
Commercial building only	351,606	4,350	.3	1.2	1,583,582	56.8	Masonry	7,306	280	.4	3.8	35,399	82.0						
Residential building only	1,884,031	12,985	.9	.7	6,050,073	67.8	Plastering	117,175	1,700	2.1	1.4	448,604	86.9						
Subcontractors	11,393,399	1,357,517	96.7	11.0	26,030,815	97.1	Marble and tiling	23,050	500	.6	2.2	61,385	100.0						
Concreting	473,860	2,330	.2	.5	1,212,354	99.1	<i>Cement</i>												
Heating and plumbing	8,756,113	1,350,592	96.2	100.0	11,191,833	100.0	All classes	2,993,291	54,373	100.0	1.8	8,076,599	81.9						
Heating	2,850,987	4,505	.3	.1	5,522,252	94.3	General contractors ²	1,830,987	41,673	75.8	2.3	5,286,678	74.9						
Plumbing and heating combined	775,520	3,650	.3	.5	1,500,448	99.4	Building	1,727,496	37,267	67.9	2.2	4,781,914	70.6						
<i>Bituminous paving materials, tar, asphalt, and oil</i>							Building, not specialized ²	1,326,266	36,917	67.3	2.8	3,917,093	70.0						
All classes	26,041,603	460,041	100.0	1.8	78,292,552	81.4	Residential building only	106,505	350	.6	.3	268,562	63.2						
General contractors ²	14,648,204	451,528	98.1	3.1	52,261,737	74.7	Grading	10,978	4,203	7.0	38.3	69,847	100.0						
Building	9,962,372	609	.1	(*)	30,230,566	65.6	Dredging, river, harbor, etc.	16,512	103	.2	.0	45,915	100.0						
Building, not specialized ²	7,432,010	609	.1	(*)	28,000,652	65.7	Subcontractors	1,162,304	13,800	24.2	1.1	2,789,921	96.8						
Highway	3,414,598	313,802	68.2	9.2	11,475,929	95.1	Concreting	12,692	125	.2	1.0	42,288	100.0						
Grading	113,781	13,449	2.9	11.8	736,976	100.0	Masonry	7,306	640	1.2	8.8	35,399	82.9						
Street paving	582,121	121,571	26.4	20.9	1,768,281	97.6	Plastering	117,175	11,035	20.1	9.4	448,604	86.9						
Sewer, gas, water, conduit	102,610	2,030	.4	2.0	356,925	96.9	Marble and tiling	23,050	1,500	2.7	6.5	61,385	100.0						
Dredging, river, harbor, etc.	222,288	7	(*)	(*)	899,637	82.4	<i>Plaster, etc.</i>												
Subcontractors	11,393,399	8,513	1.9	.1	26,030,815	97.1	All classes	2,993,291	91,221	100.0	3.0	8,076,599	81.9						
Concreting	473,860	4,293	.9	.9	1,212,354	99.1	General contractors ²	1,830,987	56,838	62.3	3.1	5,286,678	74.9						
Masonry	214,108	1,520	.3	.7	651,718	96.4	Building	1,727,496	56,838	62.3	3.3	4,781,914	70.6						
Excavating	72,044	2,700	.6	3.7	418,887	99.0	Building, not specialized ²	1,326,266	15,950	17.5	1.2	3,917,093	70.0						
BRIDGEPORT							Manufacturing building only	294,725	40,328	44.2	13.7	596,259	80.4						
<i>Sand, gravel, crushed stone, slag, cinders, etc.</i>							Residential building only	106,505	560	.6	.5	268,562	63.2						
All classes	2,993,291	115,121	100.0	3.8	8,076,599	81.9	Subcontractors	1,162,304	34,383	37.7	3.0	2,789,921	96.8						
General contractors ²	1,830,987	99,186	86.2	5.4	5,286,678	74.9	Masonry	7,306	784	.8	10.7	35,399	82.9						
Building	1,727,496	72,040	62.6	4.2	4,781,914	70.6	Plastering	117,175	83,589	36.8	28.7	448,604	86.9						
Building, not specialized ²	1,326,266	71,475	62.1	5.4	3,917,093	70.0	Marble and tiling	23,050	10	(*)	(*)								
Residential building only	106,505	595	.5	.5	268,562	63.2	<i>Structural steel</i>												
Highway	3,414,598	26,076	22.6	42.5	305,480	100.0	All classes	2,993,291	232,255	100.0	7.8	8,076,599	81.9						
Grading	10,978	1,000	.9	9.1	69,847	100.0	General contractors ²	1,830,987	176,430	76.0	8.6	5,286,678	74.9						
Dredging, river, harbor, etc.	16,512	71	.1	.4	45,915	100.0	Building	1,727,496	176,145	75.8	10.2	4,781,914	70.6						
							Building, not specialized ²	1,326,266	135,817	58.5	10.2	3,917,093	70.0						
							Manufacturing building only	294,725	40,328	17.4	13.7	596,259	80.4						
							Residential building only	106,505	285	.1	1.7	268,562	63.2						
							Dredging, river, harbor, etc.	16,512	103	.2	.0	45,915	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

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	of construction business						Total cost	Cost of all distributed materials	of construction business		
BRIDGEPORT—Continued							BRIDGEPORT—Continued								
<i>Structural steel—Con.</i>							<i>Roofing and sheet-metal work—Continued</i>								
Subcontractors.....	\$1,162,304	\$55,825	24.0	4.8	\$2,789,921	96.8	Subcontractors.....	\$1,162,304	\$232,891	86.4	20.0	\$2,789,921	96.8		
Masonry.....	7,306	825	.4	11.3	35,399	82.9	Heating and plumbing.....	370,147	15,920	5.9	4.3	615,727	68.7		
Steel erection.....	55,000	55,000	23.7	100.0	223,711	100.0	Heating and piping.....	125,566	12,117	4.5	9.6	191,503	99.7		
<i>Reinforcing steel</i>							<i>Plumbing.....</i>								
All classes.....	2,993,291	87,293	100.0	2.0	8,076,599	81.9	Roofing and sheet-metal work.....	244,581	3,803	1.4	1.6	424,224	97.4		
General contractors.....	1,784,392	87,093	99.8	4.9	5,190,171	75.0	Roofing.....	216,971	216,971	80.5	100.0	376,232	89.9		
Building.....	1,680,901	87,093	99.8	5.2	4,685,407	70.6	Sheet-metal work.....	111,100	111,100	41.2	100.0	252,805	85.0		
Building, not specialized.....	1,279,671	40,765	53.6	3.6	3,820,586	70.0	Heating and ventilating equipment and supplies	105,871	105,871	39.3	100.0	123,427	100.0		
Manufacturing building only.....	204,725	40,328	46.2	13.7	590,259	80.4	All classes.....	2,993,291	133,818	100.0	4.5	8,076,599	81.9		
Subcontractors.....	1,162,304	200	.2	(⁵)	2,789,921	96.8	General contractors ²	1,830,987	14,815	11.1	.8	5,280,678	74.9		
Masonry.....	7,306	200	.2	2.7	35,399	82.9	Building.....	1,727,496	14,815	11.1	.8	4,781,914	70.6		
<i>Lumber, rough and finished</i>							<i>Building, not specialized².....</i>								
All classes.....	2,993,291	200,003	100.0	9.9	8,076,599	81.9	Subcontractors.....	1,162,304	119,003	88.9	10.2	2,789,921	96.8		
General contractors ²	1,830,987	235,968	96.6	15.0	5,286,678	74.9	Heating and plumbing.....	370,147	119,003	88.9	32.2	615,727	98.7		
Building.....	1,727,496	279,044	94.3	16.2	4,781,914	70.6	Heating and piping.....	125,566	59,737	44.6	47.6	191,503	99.7		
Building, not specialized ²	1,320,266	163,955	55.4	12.4	3,917,093	70.0	Plumbing.....	244,581	59,266	44.3	24.2	424,224	97.4		
Manufacturing building only.....	204,725	40,057	13.7	13.8	590,259	80.4	Plumbing and gas-fitting equipment and supplies	All classes.....	2,993,291	223,444	100.0	7.5	8,076,599	81.9	
Residential building only.....	100,505	74,432	25.1	69.9	208,562	63.2	General contractors.....	1,784,802	1,200	.6	.1	5,190,171	75.0		
Dredging, river, harbor, etc.....	16,512	6,924	2.8	41.9	45,915	100.0	Building.....	1,680,901	1,200	.6	.1	4,685,407	70.6		
Subcontractors.....	1,162,304	10,035	3.4	.9	2,789,921	96.8	Building, not specialized.....	1,279,671	1,200	.6	.1	3,820,586	70.0		
Carpentry.....	40,277	9,935	3.4	24.7	78,902	100.0	Subcontractors.....	1,162,304	222,154	99.4	19.1	2,789,921	96.8		
Marble and tiling.....	23,050	100	(⁵)	.4	61,385	100.0	Concrete.....	12,692	1,080	.8	8.5	42,288	100.9		
<i>Millwork</i>							<i>Plumbing and heating.....</i>								
All classes.....	2,993,291	235,536	100.0	7.9	8,076,599	81.9	Heating and piping.....	370,147	221,074	98.9	59.7	615,727	98.7		
General contractors ²	1,830,987	200,044	89.1	11.5	5,286,678	74.9	Plumbing.....	125,566	46,412	20.8	37.0	191,503	99.7		
Building.....	1,727,496	209,857	89.1	12.1	4,781,914	70.6	Electrical appliances and supplies	244,581	174,692	78.2	71.4	424,224	97.4		
Building, not specialized ²	1,320,266	187,956	79.8	14.2	3,917,093	70.0	All classes.....	2,993,291	235,457	100.0	7.9	8,076,599	81.9		
Residential building only.....	100,505	21,901	9.3	20.0	208,562	63.2	General contractors ²	1,830,987	1,609	.7	.1	5,280,678	74.9		
Dredging, river, harbor, etc.....	16,512	87	(⁵)	.5	45,915	100.0	Building.....	1,727,496	1,609	.7	.1	4,781,914	70.6		
Subcontractors.....	1,162,304	25,042	10.9	2.6	2,789,921	96.8	Building, not specialized ²	1,320,266	1,609	.7	.1	3,917,093	70.0		
Carpentry.....	40,277	25,042	10.9	63.7	78,902	100.0	Subcontractors.....	1,162,304	233,848	99.3	20.1	2,789,921	96.8		
<i>Hardware, rough and finished</i>							<i>Electrical.....</i>								
All classes.....	2,993,291	62,073	100.0	2.1	8,076,599	81.9	Electrical.....	233,848	233,848	99.3	100.0	545,189	100.0		
General contractors ²	1,830,987	58,951	95.0	3.2	5,286,678	74.9	HARTFORD								
Building.....	1,727,496	58,176	93.7	3.4	4,781,914	70.6	<i>Sand, gravel, crushed stone, slag, cinders, etc.</i>								
Building, not specialized ²	1,320,266	50,990	82.2	3.8	3,917,093	70.0	All classes.....	4,989,675	598,789	100.0	12.0	16,137,157	73.9		
Manufacturing building only.....	204,725	4,033	6.5	1.4	590,259	80.4	General contractors.....	2,473,291	553,773	92.5	22.4	10,574,342	63.4		
Residential building only.....	100,505	3,147	5.1	3.0	208,562	63.2	Building.....	1,709,915	150,337	25.1	8.8	7,419,120	55.0		
Dredging, river, harbor, etc.....	16,512	775	1.2	4.7	45,915	100.0	Building, not specialized.....	1,436,597	105,704	17.2	7.4	6,136,685	54.3		
Subcontractors.....	1,162,304	3,122	5.0	.3	2,789,921	96.8	Commercial building only.....	223,175	43,426	7.2	16.5	965,672	53.7		
Carpentry.....	40,277	3,122	5.0	7.8	78,902	100.0	Residential building only.....	50,143	1,207	.2	2.4	318,772	63.0		
<i>Paints, varnishes, glass etc.</i>							<i>Highway.....</i>								
All classes.....	2,993,291	89,480	100.0	3.0	8,076,599	81.9	Street paving.....	460,889	232,934	42.2	54.9	2,490,900	82.7		
General contractors.....	1,784,392	15,566	17.4	.9	5,190,171	75.0	Subcontractors.....	302,507	150,502	25.1	49.8	694,304	100.0		
Building.....	1,680,901	15,566	17.4	.9	4,685,407	70.6	Concrete.....	92,174	25,041	4.3	27.8	256,266	100.0		
Building, not specialized ²	1,279,671	11,533	12.9	.9	3,820,586	70.0	Roofing.....	242,311	2,500	.4	1.1	554,577	87.2		
Manufacturing building only.....	204,725	4,033	4.5	1.4	590,259	80.4	Marble and tiling.....	152,918	715	.1	.5	328,643	90.5		
Subcontractors.....	1,162,304	73,914	82.0	6.4	2,789,921	96.8	Excavating.....	43,244	16,100	2.7	37.2	268,287	98.1		
Masonry.....	7,306	76	.1	1.0	35,399	82.9	<i>Brick, (face, common, fire, paving, etc.)</i>								
Painting and decorating.....	73,838	73,838	82.5	100.0	312,424	100.0	All classes.....	4,989,675	224,460	100.0	4.5	16,137,157	73.9		
<i>Roofing and sheet-metal work</i>							<i>General contractors.....</i>								
All classes.....	2,993,291	269,584	100.0	9.0	8,076,599	81.9	Building.....	2,473,291	223,776	99.7	9.0	10,574,342	63.4		
General contractors ²	1,830,987	36,693	13.6	2.0	5,286,678	74.9	Building, not specialized.....	1,709,915	223,776	99.7	13.1	7,419,120	55.0		
Building.....	1,727,496	36,628	13.6	2.1	4,781,914	70.6	Commercial building only.....	1,436,597	187,935	83.7	13.1	6,136,685	54.3		
Building, not specialized ²	1,320,266	32,595	12.1	2.4	3,917,093	70.0	Residential building only.....	223,175	29,711	13.2	13.3	965,672	53.7		
Manufacturing building only.....	204,725	4,033	1.5	1.4	590,259	80.4	Subcontractors.....	50,143	6,130	2.7	12.2	318,772	63.0		
Dredging, river, harbor, etc.....	16,512	65	(⁵)	.4	45,915	100.0	Heating.....	2,616,384	684	.3	(⁵)	5,692,815	95.1		
See footnotes at end of table.							959,466								

CONSTRUCTION—CONNECTICUT

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 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	Per cent of—		Amount			Total cost
			Cost of all distributed materials	Value of construction business							Cost of all distributed materials	Value of construction business				
HARTFORD—Continued							HARTFORD—Continued									
<i>Tile, facing, terra cotta, floor and wall</i>							<i>Roofing and sheet metal</i>									
All classes.....	\$4,980,075	\$73,214	100.0	1.5	\$16,137,157	73.9	All classes.....	\$4,980,075	\$342,758	100.0	6.9	\$16,137,157	73.9			
General contractors.....	\$2,473,201	4,595	6.3	.2	10,574,342	63.4	General contractors.....	\$2,473,201	4,065	1.4	.2	10,574,342	63.4			
Building.....	\$1,700,915	4,595	6.3	.3	7,410,129	55.0	Building.....	\$1,700,915	4,065	1.4	.3	7,410,129	55.0			
Building, not specialized.....	1,436,597	4,595	6.3	.3	6,136,685	54.3	Building, not specialized.....	1,436,597	695	2.2	(*)	6,136,685	54.3			
Commercial building only.....							Commercial building only.....	223,175	4,000	1.2	1.8	963,672	53.7			
Subcontractors.....	\$2,516,384	68,619	93.7	2.7	5,562,815	95.1	Subcontractors.....	\$2,516,384	338,063	98.6	13.4	5,562,815	95.1			
Marble and tiling.....	152,918	68,619	93.7	44.9	328,643	90.5	Roofing and sheet-metal work.....	360,859	338,063	98.0	93.7	831,109	89.2			
<i>Concrete and cinder block</i>							<i>Roofing</i>									
All classes.....	4,980,075	71,532	100.0	1.4	16,137,157	73.9	Roofing.....	242,311	219,615	64.0	90.6	654,877	87.2			
General contractors.....	\$2,473,201	64,334	89.9	2.6	10,574,342	63.4	Sheet-metal work.....	118,548	118,548	34.0	100.0	270,232	92.8			
Building.....	\$1,700,915	61,734	86.3	3.6	7,410,129	55.0	<i>Heating and ventilating equipment and supplies</i>									
Building, not specialized.....	1,436,597	11,734	16.4	.8	6,136,685	54.3	All classes.....	4,980,075	1,066,850	100.0	21.4	16,137,157	73.9			
Commercial building only.....	223,175	50,000	99.9	22.4	963,672	53.7	General contractors.....	\$2,473,201	11,600	1.1	.6	10,574,342	63.4			
Highway.....	460,869	2,000	3.0	.6	2,490,909	82.7	Building.....	\$1,700,915	11,600	1.1	.7	7,410,129	55.0			
Subcontractors.....	\$2,516,384	7,198	10.1	.3	5,562,815	95.1	Building, not specialized.....	1,436,597	2,600	.2	.2	6,136,685	54.3			
Concreting.....	92,174	7,198	10.1	7.8	256,260	100.0	Commercial building only.....	223,175	9,000	.8	4.0	963,672	53.7			
<i>Cut stone, granite, and marble</i>							<i>Plumbing and gas-fitting equipment and supplies</i>									
All classes.....	4,980,075	272,788	100.0	5.5	16,137,157	73.9	All classes.....	4,980,075	409,724	100.0	8.2	16,137,157	73.9			
General contractors.....	\$2,473,201	202,805	74.3	8.2	10,574,342	63.4	General contractors.....	\$2,473,201	11,248	2.7	.4	10,574,342	63.4			
Building.....	\$1,700,915	202,805	74.3	11.9	7,410,129	55.0	Building.....	\$1,700,915	11,248	2.7	.6	7,410,129	55.0			
Building, not specialized.....	1,436,597	193,039	70.8	13.4	6,136,685	54.3	Building, not specialized.....	1,436,597	3,248	.7	.3	6,136,685	54.3			
Commercial building only.....	223,175	9,766	3.6	4.4	963,672	53.7	Commercial building only.....	223,175	8,000	2.0	3.6	963,672	53.7			
Subcontractors.....	\$2,516,384	60,983	25.7	2.8	5,562,815	95.1	Subcontractors.....	\$2,516,384	308,476	97.3	15.8	5,562,815	95.1			
Concreting.....	92,174	8,076	3.0	8.8	256,260	100.0	Heating and plumbing.....	\$1,463,038	308,476	97.3	27.4	2,720,011	96.1			
Marble and tiling.....	152,918	61,907	22.7	40.5	328,643	90.5	Heating and piping.....	959,466	899,782	84.3	93.8	1,819,276	93.5			
<i>Cement</i>							<i>Electrical appliances and supplies</i>									
All classes.....	4,980,075	367,350	100.0	7.4	16,137,157	73.9	All classes.....	4,980,075	283,197	100.0	5.7	16,137,157	73.9			
General contractors.....	\$2,473,201	305,536	83.4	12.4	10,574,342	63.4	General contractors.....	\$2,473,201	4,000	1.8	.2	10,574,342	63.4			
Building.....	\$1,700,915	132,963	36.2	7.8	7,410,129	55.0	Building.....	\$1,700,915	4,000	1.8	.3	7,410,129	55.0			
Building, not specialized.....	1,436,597	120,683	32.8	8.4	6,136,685	54.3	Building, not specialized.....	1,436,597	900	.4	.1	6,136,685	54.3			
Commercial building only.....	223,175	11,604	3.2	5.2	963,672	53.7	Commercial building only.....	223,175	4,000	1.4	1.8	963,672	53.7			
Residential building only.....	50,143	676	2.1	1.3	318,772	63.0	Subcontractors.....	\$2,516,384	308,476	97.3	15.8	5,562,815	95.1			
Highway.....	460,869	90,000	26.1	20.8	2,490,909	82.7	Heating and plumbing.....	\$1,463,038	308,476	97.3	27.4	2,720,011	96.1			
Street paving.....	302,607	77,573	21.1	25.6	664,304	100.0	Heating and piping.....	959,466	899,782	84.3	93.8	1,819,276	93.5			
Subcontractors.....	\$2,516,384	60,820	16.0	2.4	5,562,815	95.1	Plumbing.....	339,476	339,476	82.9	100.0	661,935	99.0			
Concreting.....	92,174	37,830	10.3	41.0	256,260	100.0	<i>Structural steel</i>									
Marble and tiling.....	152,918	2,356	6.1	1.5	328,643	90.5	All classes.....	\$4,980,075	75,733	100.0	1.5	16,137,157	73.9			
Excavating.....	43,244	20,634	5.0	47.7	268,287	98.1	General contractors.....	\$2,473,201	70,733	93.4	4.1	7,410,129	55.0			
<i>Structural steel</i>							<i>Elevators, dumb-waiters, etc.</i>									
All classes.....	4,980,075	75,733	100.0	1.5	16,137,157	73.9	All classes.....	\$4,980,075	99,660	100.0	2.0	16,137,157	73.9			
General contractors.....	\$2,473,201	75,733	100.0	3.1	10,574,342	63.4	Subcontractors.....	\$2,516,384	99,660	100.0	4.0	5,562,815	95.1			
Building.....	\$1,700,915	70,733	93.4	4.1	7,410,129	55.0	Elevators.....	99,660	99,660	100.0	100.0	261,410	77.8			
Building, not specialized.....	1,436,597	40,944	62.0	3.3	6,136,685	54.3	<i>Bituminous paving materials</i>									
Commercial building only.....	223,175	23,789	31.4	10.7	963,672	53.7	All classes.....	\$4,980,075	114,576	100.0	2.3	16,137,157	73.9			
Highway.....	460,869	5,000	6.6	1.1	2,490,909	82.7	General contractors.....	\$2,473,201	114,576	100.0	4.6	10,574,342	63.4			
Subcontractors.....	\$2,516,384	2,804	1.0	.1	5,562,815	95.1	Building.....	\$1,700,915	230	.1	(*)	7,410,129	55.0			
Concreting.....	92,174	864	1.4	.4	256,260	100.0	Building, not specialized.....	1,436,597	230	.1	(*)	6,136,685	54.3			
Excavating.....	43,244	2,450	.9	5.7	268,287	98.1	Commercial building only.....	223,175	230	.1	(*)	963,672	53.7			
<i>Millwork</i>							<i>NEW HAVEN</i>									
All classes.....	4,980,075	221,372	100.0	4.4	16,137,157	73.9	All classes.....	3,463,131	218,332	100.0	6.3	11,744,691	82.5			
General contractors.....	\$2,473,201	221,240	99.9	8.9	10,574,342	63.4	General contractors.....	\$1,609,044	164,134	75.2	10.2	6,968,764	75.5			
Building.....	\$1,700,915	221,240	99.9	12.0	7,410,129	55.0	Building.....	\$1,305,440	70,845	32.4	5.4	5,890,662	60.8			
Building, not specialized.....	1,436,597	261,798	88.2	17.5	6,136,685	54.3	Building, not specialized.....	1,131,843	64,080	29.3	5.7	5,403,175	63.4			
Commercial building only.....	223,175	2,979	1.0	1.3	963,672	53.7	Residential building only.....	145,097	6,705	3.1	4.7	362,487	68.6			
Residential building only.....	50,143	27,535	0.6	54.9	318,772	63.0	Highway.....	151,667	66,869	30.6	44.1	479,265	93.0			
Highway.....	460,869	297	.1	.1	2,490,909	82.7	Bridge and culvert.....	53,578	11,395	5.2	21.3	169,019	90.2			
Subcontractors.....	\$2,516,384	2,804	1.0	.1	5,562,815	95.1	Grading.....	16,673	3,161	1.4	20.2	191,570	100.0			
Concreting.....	92,174	864	1.4	.4	256,260	100.0	Street paving.....	41,101	11,714	5.4	28.5	123,932	100.0			
Excavating.....	43,244	2,450	.9	5.7	268,287	98.1	Sewer, gas, water, conduit.....	18,832	150	.1	1.1	64,164	98.4			

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 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	Per cent of—	Amount	Per cent of—			
			Cost of all distributed materials	Value of construction business									Cost of all distributed materials			Value of construction business
NEW HAVEN—Continued							NEW HAVEN—Continued									
<i>Sand, gravel, crushed stone, slag, cinders, etc.—Continued</i>							<i>Plaster, etc.</i>									
All classes.....	3,463,131	170,771	100.0	5.1	11,744,691	82.5	All classes.....	\$3,463,131	\$57,885	100.0	1.7	\$11,744,691	82.5			
Subcontractors.....	\$1,853,487	\$54,198	24.8	2.9	\$4,775,937	97.1	General contractors.....	\$1,609,644	57,043	98.5	3.5	\$6,968,754	75.5			
Concreting.....	71,763	22,048	10.1	30.7	195,000	94.9	Building.....	\$1,305,440	57,043	98.5	4.4	\$5,890,662	60.8			
Heating and piping.....	412,546	10	(*)	(*)	796,766	97.7	Building, not specialized.....	1,131,343	49,167	84.9	4.3	5,403,175	63.4			
Roofing.....	149,145	1,200	.6	.8	387,143	89.9	Residential building only.....	145,097	7,876	13.6	5.4	362,487	68.6			
Stonework.....	145,986	29,746	13.6	20.4	812,791	99.0	Subcontractors.....	\$1,853,487	842	1.4	(*)	\$4,775,937	97.1			
Marble and tiling.....	134,418	1,194	.5	.9	279,049	100.0	Heating and piping.....	412,546	4	(*)	(*)	796,766	97.7			
<i>Brick (face, common, fire, paving, etc.)</i>							<i>Structural steel</i>									
All classes.....	3,463,131	170,771	100.0	5.1	11,744,691	82.5	All classes.....	3,463,131	112,933	100.0	3.3	11,744,691	82.5			
General contractors.....	\$1,609,644	167,774	94.9	10.4	\$6,968,754	75.5	General contractors.....	\$1,609,644	68,633	60.8	4.3	\$6,968,754	75.5			
Building.....	\$1,305,440	165,160	93.4	12.6	\$5,890,662	60.8	Building.....	\$1,305,440	33,292	29.5	2.6	\$5,890,662	60.8			
Building, not specialized.....	156,562	88.6	13.8	5.9	5,403,175	63.4	Building, not specialized.....	1,131,343	33,292	29.5	2.0	5,403,175	63.4			
Residential building only.....	145,097	8,598	4.9	5.9	362,487	68.6	Bridge and culvert.....	53,578	35,341	31.3	60.0	159,019	96.2			
Grading.....	15,673	114	.1	.7	191,570	100.0	Subcontractors.....	\$1,853,487	44,350	30.2	2.4	\$4,775,937	97.1			
Sewer, gas, water, conduit.....	13,832	2,500	1.4	18.1	64,164	98.4	Concreting.....	71,763	350	.3	.5	195,000	94.9			
Subcontractors.....	\$1,853,487	8,997	5.1	.5	\$4,775,937	97.1	Steel erection.....	28,000	28,000	24.8	100.0	50,602	100.0			
Concreting.....	71,763	8,716	4.9	12.1	195,000	94.9	Ornamental ironwork.....	54,572	16,000	14.2	29.3	117,273	76.1			
Heating and plumbing.....	\$749,329	281	.2	(*)	\$1,442,152	97.2	<i>Ornamental metal work</i>									
Heating and piping.....	412,546	181	.1	(*)	796,766	97.7	All classes.....	3,463,131	51,541	100.0	1.5	11,744,691	82.5			
Plumbing and heating combined.....	117,936	100	.1	.1	237,405	97.5	General contractors.....	\$1,609,644	10,969	21.3	.7	\$6,968,754	75.5			
<i>Tile, facing, terra cotta, floor and wall</i>							<i>Lumber, rough and finished</i>									
All classes.....	3,463,131	91,385	100.0	2.6	11,744,691	82.5	All classes.....	3,463,131	383,732	100.0	11.1	11,744,691	82.5			
General contractors.....	\$1,609,644	40,336	44.1	2.5	\$6,968,754	75.5	General contractors.....	\$1,609,644	367,728	95.8	22.8	\$6,968,754	75.5			
Building.....	\$1,305,440	40,336	44.1	3.1	\$5,890,662	60.8	Building.....	\$1,305,440	337,173	87.9	25.8	\$5,890,662	60.8			
Building, not specialized.....	1,131,343	37,336	40.8	3.3	5,403,175	63.4	Building, not specialized.....	1,131,343	229,432	59.8	20.3	5,403,175	63.4			
Residential building only.....	145,097	3,000	3.3	2.1	362,487	68.6	Commercial building only.....	29,000	29,000	7.6	100.0	125,000	28.8			
Subcontractors.....	\$1,853,487	51,049	55.9	2.8	\$4,775,937	97.1	Residential building only.....	145,097	78,741	20.5	54.3	362,487	68.6			
Marble and tiling.....	134,418	51,049	55.9	38.0	279,049	100.0	Bridge and culvert.....	53,578	238	.1	4.4	159,019	96.2			
<i>Concrete and cinder block</i>							<i>Millwork</i>									
All classes.....	3,463,131	88,786	100.0	2.6	11,744,691	82.5	All classes.....	3,463,131	123,723	100.0	3.6	11,744,691	82.5			
General contractors.....	\$1,609,644	88,774	99.9	5.5	\$6,968,754	75.5	General contractors.....	\$1,609,644	102,590	82.9	6.4	\$6,968,754	75.5			
Building.....	\$1,305,440	88,774	99.9	6.8	\$5,890,662	60.8	Building.....	\$1,305,440	102,590	82.9	7.8	\$5,890,662	60.8			
Building, not specialized.....	1,131,343	88,774	99.9	7.8	5,403,175	63.4	Building, not specialized.....	1,131,343	91,713	74.1	8.1	5,403,175	63.4			
Subcontractors.....	\$1,853,487	11	(*)	(*)	\$4,775,937	97.1	Residential building only.....	145,097	10,847	8.8	7.5	362,487	68.6			
Heating and piping.....	412,546	(*)	(*)	(*)	796,766	97.7	Subcontractors.....	\$1,853,487	21,163	17.1	1.1	\$4,775,937	97.1			
<i>Cut stone, granite and marble</i>							<i>Paints, varnishes, glass, etc.</i>									
All classes.....	3,463,131	137,991	100.0	4.0	11,744,691	82.5	All classes.....	3,463,131	110,073	100.0	3.2	11,744,691	82.5			
General contractors.....	\$1,609,644	47,652	34.5	3.0	\$6,968,754	75.5	General contractors.....	\$1,609,644	27,125	24.6	1.7	\$6,968,754	75.5			
Building.....	\$1,305,440	47,652	34.5	3.7	\$5,890,662	60.8	Building.....	\$1,305,440	24,672	22.4	1.9	\$5,890,662	60.8			
Building, not specialized.....	1,131,343	47,652	34.5	4.2	5,403,175	63.4	Building, not specialized.....	1,131,343	18,844	17.1	1.7	5,403,175	63.4			
Subcontractors.....	\$1,853,487	90,339	65.5	4.9	\$4,775,937	97.1	Residential building only.....	145,097	5,828	5.3	4.0	362,487	68.6			
Stonework.....	145,986	14,377	10.4	9.8	812,791	99.0	Dredging, river, harbor, etc.....	28,453	2,453	2.2	8.0	60,142	100.0			
Marble and tiling.....	134,418	75,962	55.0	56.5	279,049	100.0	Subcontractors.....	\$1,853,487	82,948	75.4	4.5	\$4,775,937	97.1			
<i>Cement</i>							<i>Millwork</i>									
All classes.....	3,463,131	210,012	100.0	6.3	11,744,691	82.5	All classes.....	3,463,131	123,723	100.0	3.6	11,744,691	82.5			
General contractors.....	\$1,609,644	131,250	59.9	8.2	\$6,968,754	75.5	General contractors.....	\$1,609,644	102,590	82.9	6.4	\$6,968,754	75.5			
Building.....	\$1,305,440	101,631	45.4	7.8	\$5,890,662	60.8	Building.....	\$1,305,440	102,590	82.9	7.8	\$5,890,662	60.8			
Building, not specialized.....	1,131,343	92,863	42.4	8.2	5,403,175	63.4	Building, not specialized.....	1,131,343	91,713	74.1	8.1	5,403,175	63.4			
Residential building only.....	145,097	8,708	4.0	6.0	362,487	68.6	Residential building only.....	145,097	10,847	8.8	7.5	362,487	68.6			
Highway.....	151,567	21,084	9.6	13.9	479,265	98.6	Subcontractors.....	\$1,853,487	17,891	14.5	0.7	\$4,775,937	97.1			
Bridge and culvert.....	53,578	1,089	.5	2.0	159,019	96.2	Carpentry.....	20,534	20,534	2.0	4.5	63,473	100.0			
Grading.....	15,673	2,705	1.2	17.3	191,570	100.0	Concreting.....	71,763	3,243	2.6	4.5	195,000	94.9			
Street paving.....	41,101	3,191	1.5	7.8	123,932	100.0	Heating and piping.....	412,546	11	(*)	(*)	796,766	97.7			
Sewer, gas, water, conduit.....	13,832	1,550	.7	11.2	64,164	98.4	Stonework.....	145,986	6,750	1.8	4.6	812,791	99.0			
Subcontractors.....	\$1,853,487	37,762	40.1	4.7	\$4,775,937	97.1	<i>Millwork</i>									
Concreting.....	71,763	31,946	14.5	44.4	195,000	94.9	All classes.....	3,463,131	123,723	100.0	3.6	11,744,691	82.5			
Heating and plumbing.....	\$749,329	164	.1	(*)	\$1,442,152	97.2	General contractors.....	\$1,609,644	102,590	82.9	6.4	\$6,968,754	75.5			
Heating and piping.....	412,546	120	.1	(*)	796,766	97.7	Building.....	\$1,305,440	102,590	82.9	7.8	\$5,890,662	60.8			
Plumbing and heating combined.....	117,936	38	(*)	(*)	237,405	97.5	Building, not specialized.....	1,131,343	91,713	74.1	8.1	5,403,175	63.4			
Roofing.....	149,145	1,910	.9	1.3	387,143	89.9	Residential building only.....	145,097	10,847	8.8	7.5	362,487	68.6			
Stonework.....	145,986	49,034	22.4	33.0	812,791	99.0	Subcontractors.....	\$1,853,487	21,163	17.1	1.1	\$4,775,937	97.1			
Marble and tiling.....	134,418	4,802	2.2	3.6	279,049	100.0	Carpentry.....	20,534	20,534	2.0	4.5	63,473	100.0			

See footnotes at end of table.

CONSTRUCTION—CONNECTICUT

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 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—			Amount	Total cost	Cost of all distributed materials	
			Total cost	Cost of all distributed materials									Total cost						Cost of all distributed materials
NEW HAVEN—Continued							NEW HAVEN—Continued												
<i>Roofing and sheet metal</i>							<i>Electrical appliances and supplies—Continued</i>												
All classes.....	\$3,463,131	\$189,532	100.0	5.5	\$11,744,691	82.5	Subcontractors.....	\$1,853,487	\$300,185	97.4	16.2	\$4,775,937	97.1						
General contractors.....	\$1,009,644	6,950	3.7	.4	6,968,754	75.5	Electrical.....	298,480	298,480	96.8	100.0	260,000	92.3						
Building.....	\$1,305,440	0,950	3.7	.5	5,890,662	60.8	Heating and plumbing.....	\$749,329	1,705	.6	.2	1,442,152	97.2						
Building, not specialized..	1,131,343	5,350	2.8	.5	5,403,175	63.4	Heating and piping.....	412,546	855	.3	.2	790,769	97.7						
Residential building only..	145,097	1,000	.8	1.1	302,487	68.6	Plumbing and heating combined.....	117,936	850	.3	.7	237,405	97.5						
Subcontractors.....	\$1,853,487	182,582	96.3	9.8	4,775,937	97.1	<i>Elevators, dumb-waiters, etc.</i>												
Plumbing and heating.....	\$749,329	28,945	15.3	3.9	1,442,152	97.2	All classes.....	3,463,131	71,000	100.0	2.1	11,744,691	82.5						
Heating and piping.....	412,546	10,745	10.4	4.8	790,769	97.7	General contractors.....	\$1,009,644	11,000	15.5	.7	6,968,754	75.5						
Plumbing and heating combined.....	117,936	9,200	4.9	7.8	237,405	97.5	Building.....	\$1,305,440	11,000	15.5	.8	5,890,662	60.8						
Roofing and sheet metal work.....	185,164	153,637	81.1	83.0	467,423	61.0	Building, not specialized..	1,131,343	11,000	15.5	1.0	5,403,175	63.4						
Roofing.....	149,145	110,018	63.1	80.2	387,143	59.9	Subcontractors.....	\$1,853,487	60,000	84.5	8.2	4,775,937	97.1						
Sheet-metal work.....	36,019	34,019	17.9	94.4	80,280	100.0	Elevator construction.....	60,000	60,000	84.5	100.0	260,000	92.3						
<i>Heating and ventilating equipment and supplies</i>							<i>Pipe: Cast iron, sheet and tube steel, etc.</i>												
All classes.....	3,463,131	366,428	100.0	10.6	11,744,691	82.5	All classes.....	3,463,131	90,655	100.0	2.6	11,744,691	82.5						
General contractors.....	\$1,009,644	15,000	4.1	.9	6,968,754	75.5	General contractors.....	\$1,009,644	4,000	4.4	.2	6,968,754	75.5						
Building.....	\$1,305,440	15,000	4.1	1.1	5,890,662	60.8	Building.....	\$1,305,440	4,000	4.4	.3	5,890,662	60.8						
Building, not specialized..	1,131,343	15,000	4.1	1.3	5,403,175	63.4	Building, not specialized..	1,131,343	4,000	4.4	.4	5,403,175	63.4						
Subcontractors.....	\$1,853,487	351,428	95.9	10.0	4,775,937	97.1	Subcontractors.....	\$1,853,487	80,655	95.6	4.7	4,775,937	97.1						
Heating and plumbing.....	\$749,329	851,428	95.9	46.9	1,442,152	97.2	Heating and plumbing.....	\$749,329	89,655	95.6	11.6	1,442,152	97.2						
Heating and piping.....	412,546	261,954	71.5	63.5	790,769	97.7	Plumbing.....	142,644	3,452	3.8	2.4	257,851	100.0						
Plumbing.....	142,644	34,874	0.5	24.4	257,851	100.0	Plumbing and heating combined.....	117,936	7,000	7.7	5.9	237,405	97.5						
Plumbing and heating combined.....	117,936	54,600	14.9	46.3	237,405	97.5	Automatic-sprinkler systems.....	76,203	76,203	84.1	100.0	160,130	86.7						
<i>Plumbing and gas-fitting equipment and supplies</i>							<i>Bituminous paving materials</i>												
All classes.....	3,463,131	277,393	100.0	8.0	11,744,691	82.5	All classes.....	3,463,131	70,135	100.0	2.0	11,744,691	82.5						
Subcontractors.....	\$1,853,487	277,393	100.0	15.0	4,775,937	97.1	General contractors.....	\$1,009,644	65,842	93.9	4.1	6,968,754	75.5						
Heating and plumbing.....	\$749,329	277,393	100.0	37.0	1,442,152	97.2	Building.....	\$1,305,440	8	(3)	(9)	5,890,662	60.8						
Heating and piping.....	412,546	127,577	46.0	30.9	790,769	97.7	Building, not specialized..	1,131,343	8	(3)	(9)	5,403,175	63.4						
Plumbing.....	142,644	103,968	37.5	72.9	257,851	100.0	Highway.....	151,557	40,968	68.4	27.0	479,255	98.6						
Plumbing and heating combined.....	117,936	45,848	16.5	38.0	237,405	97.5	Street paving.....	41,101	24,866	35.5	60.5	123,932	100.0						
<i>Electrical appliances and supplies</i>							<i>Subcontractors</i>												
All classes.....	3,463,131	308,255	100.0	8.9	11,744,691	82.5	Concrete.....	\$1,853,487	4,293	6.1	.2	4,775,937	97.1						
General contractors.....	\$1,009,644	8,070	2.6	.5	6,968,754	75.5	Concreting.....	71,703	4,293	6.1	6.0	105,000	94.9						
Building.....	\$1,305,440	8,070	2.6	.6	5,890,662	60.8													
Building, not specialized..	1,131,343	8,070	2.6	.7	5,403,175	63.4													

¹ Based upon the difference between the total value of all construction business reported and the value of subcontract work let.
² Includes operative builders.
³ Includes cost of materials reported by establishments which did not include the designated material in their distributed lists.
⁴ Includes construction business reported by establishments which did not include the designated material in their distributed lists.
⁵ Less than one-tenth of 1 per cent.
⁶ Includes cost of materials reported by operative-builders, who did not include the designated material in their distributed lists.
⁷ Includes construction business reported by operative builders who did not include the designated material in their distributed lists.
⁸ Includes cost of materials reported by general contracting establishments which did not include the designated material in their distributed lists.
⁹ Includes construction business reported by general contracting establishments which did not include the designated material in their distributed lists.
¹⁰ Includes cost of materials reported by subcontracting establishments which did not include the designated material in their distributed lists.
¹¹ Includes construction business reported by subcontracting 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. 301, the third section on p. 302]

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											
CONNECTICUT	\$35,082,893	\$28,041,003	74.2	\$2,759,030	\$1,299,141	\$111,938	\$306,015	\$276,900	\$727,188	\$117,111	\$2,020,680	\$166,631	\$381,273	\$1,166,696
Operative builders	398,374	330,656	83.0	11,174	17,402	3,100	3,700	2,200	1,321	75	13,000	2,381	4,709	2,723
General contractors	1 20,611,082	14,817,548	69.5	2,482,389	1,108,012	81,861	97,348	242,123	619,608	97,853	1,682,510	133,283	309,817	447,872
Building	13,995,438	9,031,716	63.8	502,026	1,100,414	81,051	95,848	231,128	502,798	65,419	1,671,301	118,069	304,620	358,887
Building, not specialized	10,303,962	7,101,354	68.9	412,628	984,043	75,983	87,333	136,050	482,235	48,903	490,405	105,858	195,810	283,147
Commercial building only	444,618	351,606	79.1	58,482	46,050	3,974	3,000	51,500	17,760		23,114	2,553	14,570	24,267
Manufacturing building only	294,725	294,725	100.0		80,657			40,328					40,328	40,328
Residential building only	2,952,163	1,884,031	63.8	31,610	54,734	1,680	5,515	3,050	2,797	10,516	57,782	10,268	53,903	6,145
Highway	4,127,984	3,414,698	82.7	1,560,257	11,435			2,600	503	6,434	882,843	7,840	3,032	27,454
Bridge and culvert	295,470	57,470	19.5	11,065							1,089	32	60	35,941
Grading	128,021	113,791	88.5	41,630	3,062	200					32,389	741	900	1,000
Street paving	582,121	582,121	100.0	279,768	765			1,913	18		158,002	1,051	5	2,404
Sewer, gas, water, and conduit	122,119	102,610	84.0	15,650	6,102						2,141	165		
Dam and reservoir	295,151	22,701	7.7	6,400	366						4,042	125		103
Waterworks	92,996	92,996	100.0	3,740	1,028				4,214		7,073	900		4,959
Dredging, river, harbor, etc.	222,288	222,288	100.0	33,837	120				20,000		11,894			10,424
Foundation	348,864	77,248	22.1	26,490	8,120		1,500	6,482	4,300		10,830	3,160	1,200	700
Subcontractors	14,073,437	11,393,399	81.0	265,467	83,727	26,087	204,971	31,577	206,339	19,153	324,101	30,007	66,637	716,000
Carpentry and wood flooring	153,909	137,009	89.6											
Concreting	516,550	473,850	91.7	143,092	10,753			612	12,608	8,076	187,820	2,054	1,560	488
Electrical	1,364,092	1,350,592	99.0											
Elevator construction	171,660	171,660	100.0											
Heating and plumbing	7,867,843	5,786,113	73.2	2,818	1,160	6	3	191			908		4	3,127
Heating and piping	3,366,377	2,850,987	84.7	222	1,005	6		141			320		4	3,127
Pipe covering	154,096	154,096	100.0											
Plumbing	2,640,602	1,899,298	74.8	2,690	61		3	50			544			
Plumbing and heating comb.	1,730,565	775,529	44.8		100						38			
Automatic sprinkler systems	76,203	76,203	100.0											
Masonry	242,861	214,108	88.2	28,083	58,381	4,108	4,480	8,426	11,780	4,635	34,277	10,232	14,841	3,046
Painting and decorating	404,630	377,812	93.4		10									
Plastering and lathing	276,670	160,664	58.0	16,609	13,177	262		6,382	1,737	7,600	16,621	13,432	48,039	62
Roofing and sheet-metal work	1 1,092,105	1,009,398	92.4	3,760	4,611						1,916			
Roofing	786,667	728,960	92.7	3,760	4,611						1,916			
Sheet-metal work	293,438	280,438	95.6											
Steel erection	718,010	682,010	95.0											674,537
Stone work	155,807	145,980	93.7	29,746										
Marble and tiling	508,822	408,045	80.5	3,259		18,000	199,876		170,369		46,034	1,170	748	
Excavating	72,044	72,044	100.0	35,690							10,792	3,020	605	
Ornamental ironwork	186,272	106,381	57.1								21,834			
Grading	29,598	12,163	41.1	1,000	240			880		6,948	1,020	150		33,840
Metal work, n. e. s.	314,764	314,764	100.0											
BRIDGEPORT	4,253,766	2,993,291	70.4	116,121	406,320	11,886	34,080	68,748	79,383	16,899	54,873	24,255	91,221	232,255
Operative builders	75,070	40,695	52.1	3,600	900		2,700	400	1,000		1,300	140	900	175
General contractors	2 2,382,199	1,784,892	74.9	95,680	396,158	11,886	11,530	53,532	75,903	9,024	40,273	10,778	55,938	179,255
Building	2,143,992	1,680,901	78.4	68,540	396,158	11,886	11,530	53,532	75,903	6,000	35,907	10,778	55,938	179,070
Building, not specialized	1,735,977	1,279,671	73.7	67,975	316,051	11,886	11,530	53,532	75,903	6,000	35,917	10,308	15,050	135,642
Manufacturing building only	294,725	294,725	100.0		80,657			40,328					40,328	40,328
Residential building only	113,290	106,608	94.0	895	450				300		350	410	620	
Highway	61,309	61,309	100.0	26,078						3,024				
Grading	10,973	10,973	100.0	1,000							4,203			
Sewer, gas, water, and conduit	14,007	14,007	100.0											
Dredging, river, harbor, etc.	16,512	16,512	100.0	71							103			285
Subcontractors	1 1,766,500	1,162,304	64.7	15,935	9,262		19,850	14,810	2,480	7,875	13,300	13,337	34,383	55,825
Carpentry and wood flooring	40,277	40,277	100.0											
Concreting	55,302	12,692	22.9	2,487				5,500			125			
Electrical	233,848	233,848	100.0											
Elevator construction	12,000	12,000	100.0											
Heating and plumbing	892,752	370,147	41.5											
Heating and piping	350,566	125,566	35.8											
Plumbing	320,527	244,581	76.3											
Masonry	7,306	7,306	100.0	885	1,062		210	674	280	276	640	300	784	825
Painting and decorating	73,838	73,838	100.0											
Plastering and lathing	117,175	117,175	100.0	12,413	8,200			8,642	1,700	7,600	11,035	12,147	33,580	
Roofing and sheet-metal work	216,971	216,971	100.0											
Roofing	111,100	111,100	100.0											
Sheet-metal work	105,871	105,871	100.0											
Steel erection	55,000	55,000	100.0											55,000
Marble and tiling	47,050	23,050	49.0	150			19,640		500		1,500	800	10	
HARTFORD	6 6,225,705	4,989,675	80.1	598,789	224,480	40,014	73,214	71,532	272,788	1,200	367,356	31,345	52,274	75,733
General contractors	7 3,257,417	2,473,291	75.9	553,773	223,776	31,014	4,695	64,334	202,805	1,200	306,536	31,028	52,160	75,733
Building	2,404,541	1,709,915	71.1	150,337	223,776	31,014	4,695	61,734	202,805	1,200	332,993	31,028	52,169	70,733
Building, not specialized	1,928,278	1,436,597	74.5	105,704	187,935	28,540	4,695	11,734	193,039	1,200	120,683	29,480	39,480	40,944
Commercial building only	240,175	223,175	92.9	43,426	29,711	2,474		50,000	9,766		11,604	763	11,884	23,789
Residential buildings only	236,088	50,143	21.2	1,207	6,130						670	795	1,209	
Highway	460,899	460,899	100.0	262,934				2,600			96,000			5,000
Street paving	302,507	302,507	100.0	150,502							77,573			
Subcontractors	2 2,954,888	2,516,384	85.2	45,016	684	18,000	68,610	7,198	69,983		60,820	317	105	
Concreting	92,174	92,174	100.0	25,641				7,198	8,076		37,830			
Electrical	278,207	278,207	100.0											
Elevator construction	99,660	99,660	100.0											
Heating and plumbing	9 1,700,267	1,453,038	85.5		684									
Heating and piping	969,466	959,466	100.0		684									
Pipe covering	154,096	154,096	100.0											
Plumbing	513,705	339,476	66											

CONSTRUCTION—CONNECTICUT

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

[See note at head of this table]

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											
NEW HAVEN	\$4,807,076	\$3,463,131	\$72.0	\$218,332	\$176,771	\$7,763	\$91,885	\$68,785	\$137,991	\$19,292	\$219,012	\$24,891	\$57,885	\$112,983
General contractors.....	11 2,896,580	1,609,644	55.6	104,134	167,774	3,172	40,336	88,774	47,652	18,202	131,250	23,156	57,043	68,033
Building.....	1,519,935	1,305,440	85.9	70,845	165,160	3,172	40,336	88,774	47,652	18,202	101,631	22,836	57,043	33,202
Building, not specialized.....	1,317,838	1,131,343	85.8	64,080	156,562	3,172	37,336	88,774	47,652	17,823	92,863	21,306	49,107	33,292
Commercial building only.....	20,000	29,000	100.0											
Residential building only.....	173,097	145,007	83.8	6,765	8,598		3,000			406	8,708	1,530	7,870	
Highway.....	551,567	151,567	27.4	66,860							21,084			
Bridge and culvert.....	53,578	53,578	100.0	11,395							1,089			35,341
Grading.....	15,073	15,073	100.0	3,181	114						2,705			
Street paving.....	41,101	41,101	100.0	11,714							3,191	220		
Sewer, gas, water, conduit.....	13,832	13,832	100.0	150	2,500						1,550	100		
Dredging, river, harbor, etc.....	28,453	28,453	100.0											
Subcontractors.....	12 1,910,486	1,853,487	97.0	54,198	8,097	4,611	51,049	11	90,339		87,762	1,735	842	44,360
Carpentry and wood flooring.....	20,534	20,534	100.0											
Concreting.....	71,763	71,763	100.0	22,048	8,716						31,840			350
Electrical.....	298,480	298,480	100.0											
Elevator construction.....	60,000	60,000	100.0											
Heating and plumbing.....	798,699	749,329	93.8	10	281			11			164		4	
Heating and piping.....	412,546	412,546	100.0	10	181			11			126		4	
Plumbing.....	192,014	142,644	74.3											
Plumbing and heating combined.....	117,036	117,036	100.0		100						38			
Automatic sprinkler systems.....	76,203	76,203	100.0											
Painting and decorating.....	79,241	79,241	100.0											
Roofing and sheet-metal work.....	185,164	185,164	100.0	1,200		4,611					1,916			
Roofing.....	140,145	140,145	100.0	1,200		4,611					1,916			
Sheet-metal work.....	36,019	36,019	100.0											
Steel erection.....	28,000	28,000	100.0											28,000
Stone work.....	145,986	145,986	100.0	20,746					14,377		40,034	1,170	748	
Marble and tiling.....	134,418	134,418	100.0	1,194			61,049		75,902		4,802	605	90	
Ornamental iron work.....	54,572	54,572	100.0											16,000
Metal work, n. e. s.....	20,000	20,000	100.0											

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 slates	Millwork	Composition board	Waterproofing materials	Hardware, rough and finished	Paints, varnishes, and glass	Roofing and sheet metal	Finished flooring, n. e. s.	Screens, shades, awnings, etc.
CONNECTICUT	\$460,668	\$32,528	\$129,240	\$112,656	\$104,472	\$3,080,278	\$215,867	\$1,324,800	\$135,207	\$64,505	\$358,504	\$538,000	\$1,222,442	\$120,357	\$46,675
Operative builders.....	105		1,587	3,765	1,088	111,053	11,630	42,158	14,220	325	12,602	8,705	4,550	2,500	6,066
General contractors.....	408,320	27,695	127,128	88,006	35,602	2,856,427	186,598	1,227,194	94,005	45,333	335,809	140,223	117,053	117,607	88,600
Building.....	179,997	22,786	125,370	86,908	35,602	2,650,809	184,025	1,222,028	83,141	39,788	302,709	130,421	116,501	117,589	88,600
Building, not specialized.....	137,492	22,675	118,386	74,554	31,275	1,004,293	87,640	992,598	62,112	36,192	217,760	89,782	71,072	93,835	25,810
Commercial building only.....			1,150	300		50,689		11,117	325	1,300	6,550	500	4,033	600	450
Manufacturing building only.....	40,328					40,657					4,033	4,033	4,033		
Residential building only.....	2,207	111	5,840	11,994	4,227	946,300	97,270	308,313	20,704	2,200	4,033	42,305	35,296	23,153	12,340
Highway.....	218,017	2,711	902			54,185	505	4,292	915	3,234	27,217	2,224	38	18	
Bridge and culvert.....	4,807			50		2,788	50			237	516				
Grading.....	444	2,008				2,805	300			616	450				
Street paving.....	1,528			16		4,627	88	200	0	560	100	33			
Sewer, gas, water, conduit.....						41,023									
Dam and reservoir.....	137			4,196						109	595	55			
Waterworks.....	1,200		850	432		16,490		587		200	1,930	1,880	1,440		
Dredging, river, harbor, etc.....	2,000					78,514		87			2,775	5,004	1,440	65	
Foundation.....	100			600		1,000	700			600					
Subcontractors.....	52,243	4,933	525	20,885	67,882	112,795	17,600	55,457	37,006	18,847	0,043	380,111	1,100,830	250	2,000
Carpentry and wood flooring.....			25			74,491	4,217	52,053	1,536		4,397	100	90		1,000
Concreting.....	42,044	609		1,753		23,015	1,000	3,243		1,000	2,303		18		
Heating and plumbing.....	300	264			100	1,023		29	472			270	144,757		
Heating and piping.....						11			28			270	37,445		
Plumbing.....	300	264			100	1,012		29	440				77,248		
Plumbing and heating combined.....													30,064		
Masonry.....	2,208		500	8,988	200	4,966	2,500		4,010	1,551	500	247			
Painting and decorating.....												375,952	850		1,000
Plastering and lathing.....	572			8,550				9,943		5,614	1,650		49		
Roofing and sheet-metal work.....					2,000				5,614	1,650			913	955,076	
Roofing.....					2,000				25,374	12,377	2,000		913	678,637	
Sheet-metal work.....									25,374	12,377			913	278,438	
Steel erection.....													7,473		
Stonework.....	7,119					6,750				2,100			3,697		
Marble and tiling.....				994		100		132		25	644			250	
Excavating.....						2,450				60					
Ornamental iron work.....		4,000			65,582										
Grading.....				600						75			450		

* Certain establishments did not give a distribution of the cost of their materials into 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.

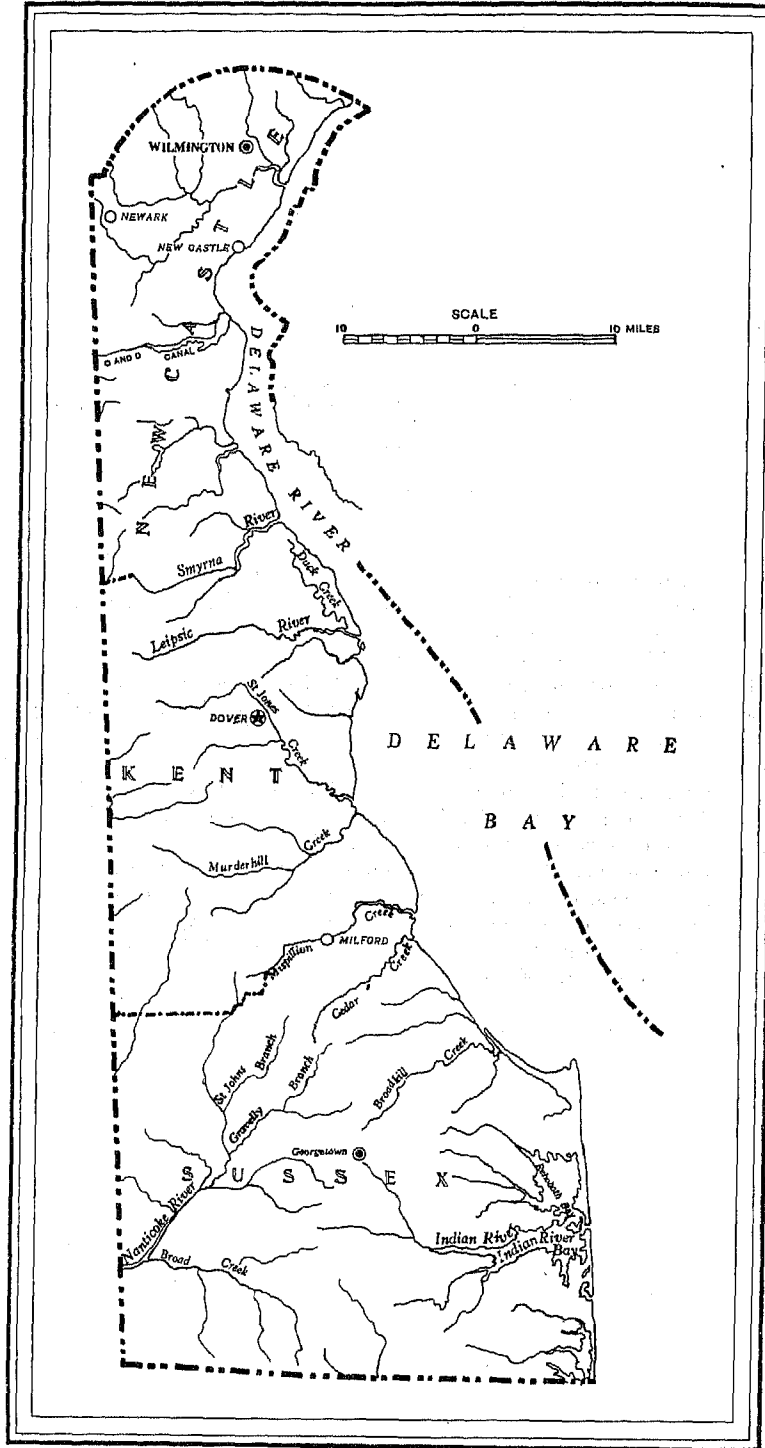
1 Railroad and car line work, \$400,000.
 2 Roofing and sheet metal work combined, \$12,000.
 3 Foundation work, \$134,716.
 4 Ornamental iron work, \$44,801.
 5 Heating and plumbing combined, \$221,659.
 6 Operative builders, \$14,200.
 7 Sewer, gas, water, and conduit work, and foundation work, respectively, \$19,600 and \$70,000.
 8 Carpentry and wood flooring \$16,000; masonry, \$11,809; plastering and lathing, \$91,492; ornamental iron work, \$35,000.
 9 Heating and plumbing combined, \$78,000.
 10 Roofing and sheet metal work combined, \$12,000.
 11 Dam and reservoir, and railroad and car line work, respectively, \$272,450 and \$400,000.
 12 Grading work, \$7,620.

DELAWARE

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DELAWARE



CONSTRUCTION—DELAWARE

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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
DELAWARE	91	\$18,696	\$14,068	\$4,633	\$8,907	\$4,050	\$6,702	WILMINGTON	79	\$17,502	\$13,119	\$4,383	\$3,841	\$3,710	\$0,135
<i>Counties and principal city</i>								<i>Classification of establishments</i>							
Counties:								Operative builders.....	3	400	460	-----	143	116	144
Kent.....	7	771	559	212	18	196	370	General contractors.....	34	10,234	9,702	532	3,614	2,074	2,056
New Castle.....	84	17,926	13,506	4,421	3,889	3,856	0,332	Building.....	29	9,717	9,186	532	3,597	1,946	2,408
Principal city: ¹								Building not specialized.....	22	8,900	8,308	532	3,115	1,848	2,240
Wilmington.....	70	17,502	13,119	4,383	3,841	3,710	0,135	Residential building only.....	7	818	818	-----	482	90	158
<i>Classification of establishments</i>								Street paving and highway.....	5	517	517	-----	17	127	248
Operative builders.....	3	460	460	-----	143	116	144	Subcontractors.....	42	6,790	2,948	3,851	84	1,520	3,335
General contractors.....	39	10,964	10,432	532	3,677	2,289	2,069	Electrical.....	4	321	174	147	-----	96	146
Building.....	32	10,035	9,504	532	3,657	2,062	2,535	Heating and plumbing.....	15	3,753	2,426	1,327	44	425	2,130
Building not specialized.....	25	9,218	8,686	532	3,175	1,963	2,377	Heating and piping.....	5	2,787	1,913	874	23	183	1,591
Residential building only.....	7	818	818	-----	482	99	158	Plumbing.....	6	630	377	253	15	161	357
Highway.....	3	507	507	-----	3	100	241	Plumbing and heating combined.....	4	336	136	200	1	80	190
Street paving.....	4	422	422	-----	17	118	193	Masonry.....	3	632	109	526	37	185	314
Subcontractors.....	49	7,264	3,162	4,101	87	1,645	3,588	Painting and decorating.....	5	324	172	152	1	158	75
Electrical.....	4	321	174	147	-----	96	146	Plastering, marble, and tiling.....	5	492	44	449	2	212	190
Heating and plumbing.....	20	4,062	2,514	1,548	44	490	2,315	Roofing and sheet-metal work.....	6	500	15	484	-----	141	238
Heating and piping.....	6	2,921	1,913	1,008	28	210	1,667	Roofing.....	3	280	10	270	-----	73	132
Plumbing.....	9	757	465	292	15	197	429	Sheet-metal work.....	3	220	5	214	-----	68	105
Plumbing and heating combined.....	5	384	136	248	1	90	219	Other classes ²	4	770	11	766	-----	804	234
Masonry.....	5	788	231	557	40	238	301	<i>Size of business groups</i>							
Painting and decorating.....	5	324	172	152	1	158	75	General contractors ³	37	10,703	10,171	532	3,757	2,190	2,800
Plastering, marble, and tiling.....	5	492	44	449	2	213	190	\$25,000 to \$49,999.....	5	184	184	-----	63	39	48
Roofing and sheet-metal work.....	6	500	15	484	-----	141	238	\$50,000 to \$99,999.....	10	745	717	28	264	117	259
Roofing.....	3	280	10	270	-----	73	132	\$100,000 to \$199,999.....	11	1,538	1,538	-----	525	325	438
Sheet-metal work.....	3	220	5	214	-----	68	105	\$200,000 to \$499,999.....	6	1,364	1,346	18	636	240	305
Other classes ²	4	776	12	764	-----	304	234	\$500,000 to \$999,999.....	1	543	543	-----	421	33	-----
<i>Size of business groups</i>								\$1,000,000 and over.....	4	6,330	5,844	486	1,858	1,435	1,750
General contractors ³	42	11,433	10,901	532	3,820	2,405	3,113	Building contractors ³	32	10,186	9,655	532	3,740	2,093	2,552
\$25,000 to \$49,999.....	7	251	251	-----	63	68	76	\$25,000 to \$49,999.....	5	184	184	-----	63	39	48
\$50,000 to \$99,999.....	10	745	717	28	254	117	259	\$50,000 to \$99,999.....	7	511	483	28	237	80	138
\$100,000 to \$199,999.....	13	1,816	1,810	-----	585	421	553	\$100,000 to \$199,999.....	9	1,254	1,254	-----	525	229	318
\$200,000 to \$499,999.....	7	1,749	1,731	18	639	331	475	\$200,000 to \$499,999.....	6	1,364	1,346	18	636	240	304
\$500,000 to \$999,999.....	1	543	543	-----	421	33	-----	\$500,000 to \$999,999.....	1	543	543	-----	421	33	-----
\$1,000,000 and over.....	4	6,330	5,844	486	1,858	1,435	1,750	\$1,000,000 and over.....	4	6,330	5,844	486	1,858	1,435	1,750
Building contractors ³	35	10,504	9,973	532	3,800	2,179	2,680	Subcontractors.....	42	6,790	2,948	3,851	84	1,520	3,335
\$25,000 to \$49,999.....	6	224	224	-----	63	59	61	\$25,000 to \$49,999.....	17	651	211	440	2	213	292
\$50,000 to \$99,999.....	7	511	483	28	237	86	132	\$50,000 to \$99,999.....	11	758	281	477	5	301	315
\$100,000 to \$199,999.....	11	1,533	1,533	-----	585	325	432	\$100,000 to \$199,999.....	7	986	247	739	28	289	451
\$200,000 to \$499,999.....	6	1,364	1,346	18	636	241	304	\$200,000 to \$499,999.....	5	1,495	474	1,021	49	380	791
\$500,000 to \$999,999.....	1	543	543	-----	421	33	-----	\$500,000 to \$999,999.....	1	649	649	-----	257	220	-----
\$1,000,000 and over.....	4	6,330	5,844	486	1,858	1,435	1,750	\$1,000,000 and over.....	1	2,259	1,734	525	-----	81	1,299
Subcontractors.....	49	7,264	3,162	4,101	87	1,645	3,588								
\$25,000 to \$49,999.....	21	797	279	518	2	252	339								
\$50,000 to \$99,999.....	12	817	302	515	5	317	351								
\$100,000 to \$199,999.....	9	1,246	373	873	31	360	502								
\$200,000 to \$499,999.....	5	1,495	474	1,021	49	380	791								
\$500,000 to \$999,999.....	1	649	649	-----	257	220	-----								
\$1,000,000 and over.....	1	2,259	1,734	525	-----	81	1,299								

¹ Figures are included in respective county totals.
² Includes carpentering and wood flooring; excavating; and foundation
³ Includes operative builders.

CONSTRUCTION—DELAWARE

TABLE 2.—CONSTRUCTION BUSINESS OF REPORTING ESTABLISHMENTS DURING 1929, BY CLASS 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
DELAWARE						WILMINGTON							
All construction business.....	91	\$18,696,454	42	\$11,432,917	49	\$7,263,537	All construction business.....	79	\$17,501,515	37	\$10,703,013	42	\$6,793,502
Distribution not reported.....	0	1,201,257			6	1,201,257	Distribution not reported.....	3	989,671			3	989,671
Distributed by class of ownership.....	85	17,405,197	42	11,432,917	43	6,062,280	Distributed by class of ownership.....	70	16,511,844	37	10,703,013	39	5,808,831
Private.....	82	14,885,401	40	9,359,434	42	5,526,027	Private.....	74	14,398,184	36	9,125,134	38	5,273,050
Quasi public or community.....	24	1,442,245	13	1,132,112	11	310,133	Quasi public or community.....	22	1,430,423	12	1,120,762	10	309,661
Public.....	23	1,167,491	14	941,371	9	226,120	Public.....	19	683,237	10	457,117	9	220,120
Distribution not reported.....	1	38,499			1	38,499	Distribution not reported.....	1	38,499			1	38,499
Distributed by class of public ownership.....	22	1,128,992	14	941,371	8	187,621	Distributed by class of public ownership.....	18	644,738	10	457,117	8	187,621
Federal.....	6	9,965	4	505,834	2	166,160	Federal.....	6	6,465	3	159,571	2	160,160
State.....	12	602,029	7	342,303	3	4,679	State.....	11	319,200	6	227,252	3	4,679
County or township.....	9	347,072	0	93,144	4	16,782	County or township.....	7	231,031	4	70,204	4	16,782
Municipal.....	11	108,926	7				Municipal.....	10	87,076	6			
All business under general contract or directly for owners.....	71	14,063,032	42	10,000,841	29	3,162,191	All business under general contract.....	62	13,118,895	37	10,170,937	25	2,947,758
Building.....	63	12,780,769	35	9,676,181	28	3,114,588	Building.....	56	12,317,336	32	9,417,181	24	2,900,155
Distribution not reported.....	2	257,871	2	257,871			Distribution not reported.....	1	232,871	1	232,871		
Distributed by class of building.....	61	12,531,898	33	9,417,310	28	3,114,588	Distributed by class of building.....	55	12,084,465	31	9,184,310	24	2,000,155
Commercial.....	19	1,001,608	13	970,627	6	30,981	Commercial.....	17	881,608	11	850,627	6	30,981
Educational.....	13	603,365	6	464,542	7	138,823	Educational.....	13	603,365	6	464,542	7	138,823
Hotel.....	6	137,311	3	(?)	3	(?)	Hotel.....	6	137,311	3	(?)	3	(?)
Hospital and institutional.....	12	1,104,350	7	1,094,214	5	70,145	Hospital and institutional.....	12	1,104,350	7	1,094,214	5	70,145
Manufacturing.....	16	2,388,758	8	418,582	8	1,070,176	Manufacturing.....	15	2,270,328	8	418,582	7	1,851,746
Military and naval.....	1	81,772	(?)	(?)	1	(?)	Military and naval.....	1	20,772	2	(?)	1	(?)
Public: Courts, jails, etc.....	3		3				Public: Courts, jails, etc.....	2	248,810	3	4,625		
Religious and memorial.....	11	253,480	7	248,810	4	4,670	Religious and memorial.....	5	245,838	30	4,550,325	18	606,673
Residential.....	53	5,363,824	32	4,611,325	21	752,499	Residential.....	48	5,245,208	30	4,561,416	3	19,208
Social and recreational.....	7	580,624	4	561,416	3	19,208	Social and recreational.....	7	580,624	4	561,416	3	19,208
Rail and water transportation.....	1		1				Rail and water transportation.....	1	917,765	1	867,761	6	50,004
Miscellaneous.....	16	956,797	9	867,761	7	59,036	Miscellaneous.....	15	917,765	9	867,761	6	50,004
Highway and street.....	8	947,683	8	947,683			Highway and street.....	6	595,192	6	595,192		
Public works and utilities.....	7	175,161	6	(?)	1	(?)	Public works and utilities.....	4	64,748	3	(?)	1	(?)
Bridge, tunnel, etc.....	5	83,426	5	83,426			Bridge, tunnel, etc.....	2	25,178	2	(?)	1	(?)
Sewage disposal and drainage.....	2	77,189	2	77,189			Sewage disposal and drainage.....	1		1			
Water supply.....	2		2				Water supply.....	2	39,570	2	39,570		
Park, grounds, etc.....	2	14,546	1	(?)	1	(?)	Park, grounds, etc.....	2		2			
Miscellaneous.....	2		2				Miscellaneous.....	2		4			
Miscellaneous, n. e. s.....	7	150,410	5	(?)	2	(?)	Miscellaneous, n. e. s.....	6	141,410	4	(?)	2	(?)
All business under subcontract.....	47	4,633,422	4	532,076	43	4,101,346	All business under subcontract.....	42	4,382,820	4	532,076	38	3,850,744
Distribution not reported.....	1	39,710			1	39,710	Distribution not reported.....	1	39,710			1	39,710
Distributed by class of subcontract work.....	46	4,593,712	4	532,076	42	4,061,036	Distributed by class of subcontract work.....	41	4,343,110	4	532,076	37	3,811,034
Concreting and stonework.....	3	105,870	1	(?)	2	(?)	Concreting and stonework.....	4	246,417	2	(?)	2	(?)
Electrical.....	4	192,698			4	192,698	Electrical.....	3	177,698			3	177,698
Heating and plumbing.....	13	1,531,488			12	(?)	Heating and plumbing.....	11	1,344,600			10	(?)
Heating and piping.....	3	943,706	1	(?)	2	(?)	Heating and piping.....	11	871,700	1	(?)	10	(?)
Pipe covering.....	3	5,287			3	5,287	Pipe covering.....	2				2	
Plumbing.....	13	335,594			13	335,594	Plumbing.....	2	201,300			2	201,300
Plumbing and heating combined.....	3	246,901			3	246,901	Plumbing and heating combined.....	11	271,594			11	271,594
Masonry and stonework.....	9	688,653	3	261,098	6	427,555	Masonry.....	5	531,090	2	(?)	3	(?)
Painting and decorating.....	4				4		Painting and decorating.....	4	151,644			4	151,644
Glass and glazing.....	1	151,644			1	151,644	Glass and glazing.....	7	427,066			7	427,066
Plastering, marble, and tiling.....	8	438,066			8	438,066	Plastering, marble, and tiling.....	1	478,922			1	478,922
Roofing and sheet-metal work.....	6	490,922			5	(?)	Roofing and sheet-metal work.....	5	332,022	1	(?)	4	(?)
Roofing.....	6	337,022	1	(?)	5	(?)	Roofing.....	3	146,900	5	(?)	3	146,900
Roofing and sheet metal combined.....	5	153,900			5	153,900	Roofing and sheet metal combined.....	5		1	(?)	4	(?)
Excavating.....	6	331,922	1	(?)	5	(?)	Excavating.....	3	331,422	1	(?)	3	(?)
Grading.....	1		1				Grading.....	1		1			
Other classes ³	6	662,449			6	662,449	Other classes ⁴	3	654,251			3	654,251

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 engaged in the following types of work: Carpentering and wood flooring, 2; steel erection, 1; wrecking, 1; foundation, 1; metal work, n. e. s., 1.
⁴ Includes establishments reporting the following types of work: Carpentering and wood flooring, 1; wrecking, 1; and foundation, 1.

CONSTRUCTION—DELAWARE

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	3	468,673	468,673	468,673	—	Operative builders	3	468,673	468,673	468,673	—
General contractors	39	10,064,244	5,389,831	9,804,244	1,100,000	General contractors	34	10,234,340	5,234,831	9,314,140	920,200
Building	32	10,035,392	5,240,428	9,176,519	858,873	Building	20	9,717,392	5,085,428	8,858,519	858,873
Building not specialized	25	9,217,555	4,422,591	8,358,682	858,873	Building not specialized	22	8,809,555	4,267,591	8,040,682	858,873
Residential building only	7	817,837	817,837	817,837	—	Residential building only	7	817,837	817,837	817,837	—
Highway	3	506,859	13,708	327,059	179,800	Street paving and highway	5	516,948	149,403	455,621	61,327
Street paving	4	421,993	135,695	360,606	61,327	Subcontractors	40	6,011,739	2,806,809	3,013,808	2,397,931
Subcontractors	47	6,476,774	2,986,985	3,961,649	2,515,125	Electrical	3	183,731	138,731	183,731	—
Electrical	3	183,731	183,731	183,731	—	Heating and plumbing	15	3,753,491	1,081,407	1,572,652	2,180,839
Heating and plumbing	20	4,062,368	1,237,086	1,677,529	2,184,839	Heating and piping	5	2,787,194	404,090	657,941	2,129,253
Heating and piping	6	2,921,392	404,090	792,139	2,129,253	Plumbing	6	629,945	425,452	582,280	47,669
Plumbing	9	756,736	533,243	705,077	51,659	Plumbing and heating combined	4	336,352	251,865	332,425	3,927
Plumbing and heating combined	5	384,240	290,753	380,313	3,927	Masonry	3	631,771	603,771	613,771	18,000
Masonry	5	787,929	628,271	656,735	131,194	Painting and decorating	5	324,135	100,641	279,678	44,557
Painting and decorating	5	324,135	100,641	279,678	44,557	Plastering, marble, and tiling	5	492,254	397,568	450,778	35,476
Plastering, marble, and tiling	5	492,254	397,568	456,778	35,476	Roofing and sheet-metal work	6	490,759	274,550	384,700	115,059
Roofing and sheet-metal work	6	499,759	274,550	384,700	115,059	Roofing	3	280,013	105,977	178,559	101,454
Roofing	3	280,013	105,977	178,559	101,454	Sheet-metal work	3	210,746	168,573	200,141	13,005
Sheet-metal work	3	219,746	168,573	206,141	13,005	Other classes ¹	3	120,598	120,138	122,568	4,000
Other classes ¹	3	126,598	120,138	122,568	4,000						

¹ Includes carpentry and wood flooring and excavating.

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
DELAWARE				WILMINGTON			
Total distributed by State ¹	\$3,615,125	\$1,100,000	\$2,515,125	Total distributed by State ²	\$3,318,131	\$920,200	\$2,397,931
Connecticut	12,000	—	12,000	Connecticut	12,000	—	12,000
District of Columbia	75,000	—	75,000	District of Columbia	75,000	—	75,000
Florida	65,515	65,515	—	Florida	65,515	65,515	—
Maryland	328,182	206,325	121,857	Maryland	148,382	26,525	121,857
Massachusetts	73,000	—	73,000	Massachusetts	73,000	—	73,000
Michigan	4,100	—	4,100	Michigan	4,100	—	4,100
New Jersey	703,418	50,695	652,723	New Jersey	703,418	50,695	652,723
New York	142,327	61,327	81,000	New York	142,327	61,327	81,000
North Carolina	1,500	—	1,500	North Carolina	1,500	—	1,500
Ohio	2,800	—	2,800	Ohio	2,800	—	2,800
Pennsylvania	1,428,970	716,138	712,832	Pennsylvania	1,315,776	716,138	599,638
Virginia	360,200	—	360,200	Virginia	360,200	—	360,200
West Virginia	408,113	—	408,113	West Virginia	408,113	—	408,113
Other States, n. s.	4,000	—	4,000				

Number of establishments reporting:

¹ All classes, 24; general contractors, 9; subcontractors, 15.

² All classes, 22; general contractors, 8; subcontractors, 14.

CONSTRUCTION—DELAWARE

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	
DELAWARE	88	45	18	\$63,404	281	\$893,912	172	\$554,996	109	\$338,916	215	180	35	66
Operative builders.....	3	3			4	9,772	2	2,342	2	7,430	4	4		
General contractors.....	37	18	11	37,938	149	515,250	71	232,242	78	233,008	97	84	13	52
Building.....	30	14	11	37,938	108	444,546	60	251,591	48	192,955	47	47	12	49
Building not specialized.....	24	9	11	37,938	97	420,480	52	235,725	45	184,755	49	38	11	48
Residential building only.....	6	5			11	24,056	8	15,866	3	8,200	10	9	1	1
Highway.....	3	4			12	16,820	2	2,500	10	14,320	12	12		
Street paving.....	4				29	53,834	9	28,151	20	25,733	26	25	1	3
Subcontractors.....	48	24	7	25,466	128	368,890	99	270,412	29	98,478	114	92	22	14
Electrical.....	4	1			12	44,338	8	15,268	4	29,070	4	2	2	8
Heating and plumbing.....	19	11	2	7,206	61	169,838	49	135,124	12	34,714	57	50	7	4
Heating and piping.....	6	2			44	138,058	34	110,401	10	27,657	44	42	2	
Plumbing.....	8	6	1	4,606	13	26,959	11	19,902	2	7,057	11	6	5	2
Plumbing and heating combined.....	5	3	1	2,600	4	4,821	4	4,821			2	2		2
Masonry.....	5	2	4	13,200	9	19,274	6	9,914	3	9,360	9	5	4	
Painting and decorating.....	5	2			9	31,485	7	20,545	2	4,940	7	5	2	2
Plastering, marble, and tiling.....	5	5			12	25,744	8	15,795	4	9,949	12	8	4	
Roofing and sheet-metal work.....	6	1			19	49,671	16	42,606	3	7,065	19	16	3	
Roofing.....	3				12	27,927	11	25,275	1	2,652	12	11	1	
Sheet-metal work.....	3	1			7	21,744	5	17,331	2	4,413	7	5	2	
Other classes ¹	4	2	1	5,000	6	28,540	5	25,160	1	3,380	6	6		
WILMINGTON	78	35	18	63,404	259	855,412	157	523,696	102	331,716	165	162	33	64
Operative builders.....	3	3			4	9,772	2	2,342	2	7,430	4	4		
General contractors.....	33	12	11	37,938	189	508,750	68	277,942	71	225,808	88	75	13	51
Building.....	28	11	11	37,938	107	442,746	59	249,701	48	192,955	69	47	12	48
Building not specialized.....	22	6	11	37,938	96	418,680	51	233,925	45	184,755	49	38	11	47
Residential building only.....	6	5			11	24,066	8	15,866	3	8,200	10	9	1	1
Street paving and highway.....	5	1			32	61,004	9	28,151	23	32,853	29	28	1	3
Subcontractors.....	42	20	7	25,466	116	341,890	87	243,412	29	98,478	103	83	20	13
Electrical.....	4	1			12	44,338	8	15,268	4	29,070	4	2	2	8
Heating and plumbing.....	15	8	2	7,206	51	146,638	39	111,024	12	34,714	45	42	6	3
Heating and piping.....	5	2			36	117,558	26	89,601	10	27,657	36	35	1	
Plumbing.....	6	4	1	4,606	11	24,259	9	17,262	2	7,057	10	5	5	1
Plumbing and heating combined.....	4	2	1	2,600	4	4,821	4	4,821			2	2		2
Masonry.....	3	1	4	13,200	9	15,474	4	6,114	3	9,360	7	4	3	
Painting and decorating.....	5	2			9	31,485	7	20,545	2	4,940	7	5	2	2
Plastering, marble, and tiling.....	5	5			12	25,744	8	15,795	4	9,949	12	8	4	
Roofing and sheet-metal work.....	6	1			19	49,671	16	42,606	3	7,065	19	16	3	
Roofing.....	3				12	27,927	11	25,275	1	2,652	12	11	1	
Sheet-metal work.....	3	1			7	21,744	5	17,331	2	4,413	7	5	2	
Other classes ¹	4	2	1	5,000	6	28,540	5	25,160	1	3,380	6	6		

¹ Includes carpentering and wood flooring; excavating; and foundation.

CONSTRUCTION—DELAWARE

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		
DELAWARE	77	\$207, 842	\$488, 723	\$15, 737, 837	\$3, 459, 905	WILMINGTON	60	\$173, 887	\$395, 770	\$14, 590, 786	\$5, 139, 663
<i>Classification of establishments</i>						<i>Classification of establishments</i>					
Operative builders	3	2, 500	13, 044	408, 073	116, 288	Operative builders	3	2, 500	13, 044	408, 073	116, 288
General contractors	33	145, 083	290, 761	8, 615, 542	1, 800, 744	General contractors	28	110, 049	223, 845	7, 885, 638	1, 075, 321
Building	26	104, 461	187, 015	7, 680, 600	1, 663, 974	Building	23	100, 420	169, 349	7, 368, 690	1, 648, 082
Building not specialized	21	103, 546	180, 715	7, 012, 318	1, 577, 287	Building not specialized	18	90, 511	163, 049	6, 094, 318	1, 461, 305
Residential building only	5	915	6, 300	674, 372	86, 687	Residential building only	5	915	6, 300	674, 372	86, 687
Street paving	4	30, 105	62, 079	506, 859	108, 986	Street paving and highway	5	15, 022	54, 490	616, 948	127, 239
Subcontractors	41	60, 250	184, 918	6, 653, 622	1, 452, 873	Subcontractors	35	65, 339	158, 881	6, 236, 475	1, 338, 054
Heating and plumbing	17	18, 735	63, 587	3, 000, 288	460, 526	Heating and plumbing	13	18, 735	35, 717	3, 039, 209	308, 721
Heating and piping	5	6, 684	25, 438	2, 886, 302	203, 630	Heating and piping	4	6, 684	11, 438	2, 752, 194	177, 063
Plumbing	8	7, 707	16, 280	677, 544	176, 675	Plumbing	5	7, 797	12, 410	650, 763	141, 446
Plumbing and heating combined	4	4, 254	11, 869	336, 352	80, 212	Plumbing and heating combined	4	4, 254	11, 800	336, 852	80, 212
Masonry	5	5, 870	36, 367	787, 929	237, 666	Masonry	3	4, 050	28, 200	631, 771	184, 652
Painting and decorating	5	2, 713	11, 006	324, 136	157, 887	Painting and decorating	5	2, 713	11, 000	324, 136	157, 887
Plastering, marble, and tiling	4	2, 420	7, 838	422, 254	181, 205	Plastering, marble, and tiling	4	2, 420	7, 838	422, 254	181, 205
Roofing and sheet-metal work	5	9, 408	17, 858	340, 435	91, 038	Roofing and sheet-metal work	5	9, 408	17, 858	340, 435	91, 038
Other classes ¹	6	21, 113	58, 262	860, 581	324, 551	Other classes ¹	5	21, 113	58, 262	860, 581	324, 551
<i>Percentage of equipment owned</i>						<i>Percentage of equipment owned</i>					
General contractors ²	36	147, 638	303, 805	9, 084, 215	2, 007, 032	General contractors ²	31	118, 548	236, 889	8, 354, 311	1, 701, 609
None	1			61, 327	6, 868	None	1			61, 327	6, 868
1% to 25%						1% to 25%					
26% to 50%						26% to 50%					
51% to 75%	1	1, 280	7, 580	178, 000	50, 492	51% to 75%	2	7, 056	38, 771	224, 971	70, 088
76% to 99%	4	32, 656	88, 021	636, 875	170, 220	76% to 99%	28	110, 892	108, 118	8, 069, 013	1, 714, 043
100%	30	113, 067	208, 204	8, 213, 013	1, 770, 443	100%	28	110, 892	108, 118	8, 069, 013	1, 714, 043
Not reported						Not reported					
Subcontractors	41	60, 250	184, 918	6, 653, 622	1, 452, 873	Subcontractors	35	55, 339	158, 881	6, 236, 475	1, 338, 054
None						None					
1% to 25%						1% to 25%					
26% to 50%						26% to 50%					
51% to 75%	2	12, 520	25, 909	167, 880	61, 896	51% to 75%	1	10, 100	20, 242	41, 222	16, 382
76% to 99%	38	47, 739	158, 709	6, 456, 933	1, 380, 901	76% to 99%	34	45, 239	138, 639	6, 195, 253	1, 321, 072
100%	1		300	28, 759	4, 676	100%					
Not reported						Not reported					

¹ Includes electrical; excavating; and foundation.
² 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	
DELAWARE	79	1, 600	1, 541	1, 710	2, 195	2, 340	2, 399	2, 461	2, 734	2, 600	2, 713	2, 340	1, 859	\$3, 266, 864
<i>Classification of establishments</i>														
Operative builders	3	64	50	87	88	97	106	98	85	55	45	36	33	116, 228
General contractors	31	603	607	705	1, 070	1, 102	1, 155	1, 218	1, 381	1, 316	1, 382	1, 111	720	1, 678, 214
Building	25	580	530	615	906	908	914	928	1, 043	1, 001	1, 020	867	594	1, 355, 509
Building not specialized	20	503	515	573	852	848	860	866	983	946	963	788	539	1, 268, 882
Residential building only	5	27	24	37	54	60	68	62	60	55	66	69	55	86, 687
Street paving and highway	6	73	68	90	164	194	241	290	338	315	353	264	126	217, 645
Subcontractors	45	933	884	918	1, 037	1, 141	1, 138	1, 150	1, 268	1, 228	1, 286	1, 193	1, 106	1, 677, 362
Electrical	3	56	58	54	59	69	55	62	60	57	58	55	47	84, 464
Heating and plumbing	17	328	310	315	348	360	322	363	406	444	484	476	470	430, 950
Heating and piping	5	170	182	181	194	210	178	192	216	244	272	278	278	183, 063
Plumbing	8	121	103	106	115	105	110	111	121	120	143	120	119	176, 075
Plumbing and heating combined	4	37	55	28	39	36	39	60	69	71	69	78	78	80, 212
Masonry	5	124	98	120	154	175	193	129	155	162	182	175	163	237, 066
Painting and decorating	5	51	59	59	88	116	109	99	109	101	125	110	73	157, 887
Plastering, marble, and tiling	5	128	107	83	83	95	104	107	184	130	128	95	92	212, 455
Roofing and sheet-metal work	6	86	82	79	82	88	107	120	118	119	109	98	94	140, 880
Roofing	3	46	42	41	43	44	51	60	68	67	63	49	46	72, 549
Sheet-metal work	3	40	40	38	39	44	56	60	50	52	46	40	48	68, 331
Other classes ¹	4	162	170	208	223	248	248	270	237	215	200	184	167	304, 060

¹ Includes carpentering and wood flooring; excavating; and foundation.

CONSTRUCTION—DELAWARE

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

CLASSIFICATION OF ESTABLISHMENTS AND LENGTH OF WORKING WEEK	Estab-lish-ments report- ing	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	Septem-ber	Octo-ber	Novem-ber	Decem-ber	
DELAWARE—Continued														
<i>Length of working week</i>														
General contractors ¹	34	607	657	792	1,158	1,199	1,261	1,311	1,466	1,372	1,427	1,147	753	\$1,689,502
40-hour, 5-day week.....														
45-hour, 5-day week.....														
50-hour, 5-day week.....														
All other 5-day week.....														
44-hour, 5½-day week.....	24	549	543	629	907	898	907	897	1,001	933	957	797	507	1,344,274
49½-hour, 5½-day week.....	1	1	1	3	6	17	18	14	15	13	12	13	3	9,455
55-hour, 5½-day week.....	2	26	35	43	73	91	136	191	202	194	194	181	57	130,624
All other 5½-day week.....	1	20	25	45	50	55	50	60	70	75	80	70	40	59,492
48-hour, 6-day week.....														
54-hour, 6-day week.....	2	15	17	22	30	48	62	65	67	54	46	36	31	51,400
60-hour, 6-day week.....	3	51	32	45	86	85	79	75	110	93	129	67	52	82,566
All other 6-day week.....	1	5	4	5	6	5	9	9	11	10	9	3	3	11,091
All other not designated.....														
Not reported.....														
Subcontractors.....	45	933	884	918	1,037	1,141	1,138	1,150	1,268	1,228	1,286	1,193	1,106	1,677,302
40-hour, 5-day week.....	5	78	86	58	54	74	74	81	138	74	61	69	73	145,812
45-hour, 5-day week.....														
50-hour, 5-day week.....														
All other 5-day week.....														
44-hour, 5½-day week.....	29	674	605	656	765	820	827	830	840	824	875	778	699	1,888,140
49½-hour, 5½-day week.....	3	121	133	137	143	168	148	139	181	218	250	270	266	148,619
55-hour, 5½-day week.....	1	4	4	4	6	6	6	6	6	6	6	6	4	8,000
All other 5½-day week.....	3	30	31	35	35	48	30	42	49	54	50	43	39	45,502
48-hour, 6-day week.....														
54-hour, 6-day week.....	1	3	3	3	3	3	3	3	3	3	3	3	3	4,576
60-hour, 6-day week.....	2	19	17	21	27	24	35	38	38	30	32	17	10	33,369
All other 6-day week.....	1	4	5	4	4	3	6	11	13	12	0	7	6	8,344
All other not designated.....														
Not reported.....														
WILMINGTON.....	70	1,518	1,454	1,599	2,041	2,147	2,169	2,164	2,308	2,277	2,362	2,014	1,663	2,972,323
<i>Classification of establishments</i>														
Operative builders.....	3	64	50	87	83	97	106	93	85	56	45	30	33	110,288
General contractors.....	27	553	553	625	947	944	973	955	1,111	1,062	1,118	886	625	1,866,916
Building.....	22	490	497	547	825	806	810	813	927	887	921	764	537	1,239,677
Building not specialized.....	17	463	473	510	771	746	762	761	867	832	855	695	482	1,152,900
Residential building only.....	5	27	24	37	54	60	58	62	60	55	66	69	55	86,637
Street paving and highway.....	5	63	56	78	122	138	163	142	184	176	197	122	88	127,239
Subcontractors.....	40	901	851	887	1,066	1,106	1,080	1,106	1,200	1,159	1,199	1,092	1,005	1,489,119
Electrical.....	3	56	58	54	59	59	55	62	59	57	58	55	47	84,404
Heating and plumbing.....	14	308	287	292	325	337	298	339	382	421	461	453	449	404,721
Heating and piping.....	5	170	182	181	194	219	173	192	216	244	272	278	278	185,093
Plumbing.....	5	99	80	83	92	82	86	87	97	106	120	97	98	141,446
Plumbing and heating combined.....	4	37	25	28	39	36	39	60	69	71	69	78	73	80,212
Masonry.....	3	114	88	112	146	163	159	109	111	116	118	97	83	184,652
Painting and decorating.....	5	51	59	59	88	116	109	99	109	101	125	110	73	167,887
Plastering, marble, and tiling.....	5	126	107	83	83	95	104	107	184	130	128	95	62	212,455
Roofing and sheet-metal work.....	6	86	82	79	82	88	107	120	118	119	109	98	94	140,880
Roofing.....	3	46	42	41	42	44	51	60	68	67	63	40	40	72,549
Sheet-metal work.....	3	40	40	38	39	44	56	60	50	52	46	49	48	68,331
Other classes ¹	4	162	170	208	223	248	248	270	237	215	200	184	167	304,060
<i>Length of working week</i>														
General contractors ²	30	617	603	712	1,035	1,041	1,079	1,048	1,196	1,118	1,163	922	658	1,483,204
40-hour, 5-day week.....														
45-hour, 5-day week.....														
50-hour, 5-day week.....														
All other 5-day week.....														
44-hour, 5½-day week.....	24	549	543	629	907	898	907	897	1,001	933	957	797	507	1,344,274
49½-hour, 5½-day week.....	1	1	1	3	6	17	18	14	15	13	12	13	3	9,455
55-hour, 5½-day week.....	1	16	23	31	81	35	58	43	48	54	38	29	10	40,218
All other 5½-day week.....														
48-hour, 6-day week.....														
54-hour, 6-day week.....	1	8	8	8	12	16	22	26	25	28	28	20	18	15,000
60-hour, 6-day week.....	2	38	24	36	73	70	65	59	96	80	119	60	48	62,566
All other 6-day week.....	1	5	4	5	6	5	9	9	11	10	9	3	3	11,091
All other not designated.....														
Not reported.....														
Subcontractors.....	40	901	851	887	1,066	1,106	1,080	1,106	1,200	1,159	1,199	1,092	1,005	1,489,119
40-hour, 5-day week.....	5	78	86	58	54	74	74	81	138	74	61	69	73	145,812
45-hour, 5-day week.....														
50-hour, 5-day week.....														
All other 5-day week.....														
44-hour, 5½-day week.....	28	664	595	646	755	810	817	820	830	814	865	769	691	1,187,991
49½-hour, 5½-day week.....	2	115	127	133	141	162	120	125	143	179	192	198	190	103,605
55-hour, 5½-day week.....														
All other 5½-day week.....	2	21	21	25	25	33	28	31	38	44	40	32	29	29,998
48-hour, 6-day week.....														
54-hour, 6-day week.....														
60-hour, 6-day week.....														
All other 6-day week.....	2	19	17	21	27	24	35	38	38	36	32	17	16	33,369
All other not designated.....														
Not reported.....	1	4	5	4	4	3	6	11	18	12	9	7	6	8,344

¹ Includes carpentering and wood flooring; excavating; and foundation.
² Includes operative builders.

CONSTRUCTION—DELAWARE

TABLE 8.—EXPENDITURES OF REPORTING ESTABLISHMENTS: 1929

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 premi- ums	Com- pen- sation and liability in- surance premi- ums	All other over- head ex- penses
						Propri- etors and firm mem- bers	Em- ploy- ees	Equip- ment	Offices, etc.				
DELAWARE	89	\$18,585,611	\$3,890,000	\$4,010,457	\$6,665,015	\$63,404	\$593,912	\$35,922	\$35,757	\$79,027	\$15,479	\$69,899	\$617,000
Operative builders.....	3	468,673	143,000	116,288	144,139	-----	0,772	-----	-----	25,590	-----	1,057	24,162
General contractors.....	38	10,923,401	3,660,000	2,280,701	2,961,400	37,638	515,250	27,468	16,614	27,136	13,653	42,596	272,672
Building.....	31	9,994,549	3,640,000	2,053,931	2,527,043	37,038	444,546	11,002	15,120	26,230	8,104	36,572	109,318
Building not specialized.....	24	9,176,712	3,158,000	1,955,072	2,309,152	37,038	420,480	11,002	13,039	20,180	6,197	35,400	186,623
Residential building only.....	7	817,837	482,000	98,859	158,401	-----	24,066	-----	2,081	6,053	1,907	1,082	12,605
Highway.....	3	500,859	3,000	108,980	241,134	-----	16,820	3,643	210	643	5,046	2,748	41,275
Street paving.....	4	421,993	17,000	117,784	102,083	-----	53,884	11,918	1,284	264	503	3,276	32,070
Subcontractors.....	48	7,193,537	87,000	1,013,468	3,550,416	25,406	368,890	8,459	19,143	26,295	1,826	26,336	620,160
Electrical.....	4	321,411	-----	65,569	145,601	-----	44,338	-----	2,722	365	-----	1,709	14,136
Heating and plumbing.....	20	4,062,368	44,000	496,201	2,315,479	7,206	169,838	150	7,145	14,757	1,702	6,734	422,806
Heating and piping.....	0	2,921,392	28,000	209,630	1,066,000	-----	138,058	150	4,380	8,542	1,212	4,380	300,144
Plumbing.....	9	759,736	15,000	196,727	429,447	4,609	20,059	-----	1,007	5,343	305	1,849	18,208
Plumbing and heating combined.....	5	384,240	1,000	59,835	218,132	2,600	4,821	-----	1,158	872	185	406	14,454
Masonry.....	5	787,920	40,000	237,090	300,058	13,250	10,274	4,825	144	1,113	-----	3,766	24,068
Painting and decorating.....	5	324,135	1,000	157,887	74,536	-----	31,485	-----	600	2,310	-----	1,554	23,535
Plastering, marble, and tiling.....	4	422,264	2,000	181,205	160,901	-----	25,744	-----	1,080	3,080	5	800	21,724
Roofing and sheet-metal work.....	0	499,759	-----	140,880	237,053	-----	49,671	-----	3,666	3,154	119	7,054	49,249
Roofing.....	3	280,018	-----	72,549	132,285	-----	27,027	-----	3,000	3,147	100	3,295	35,267
Sheet-metal work.....	3	219,740	-----	68,331	105,368	-----	21,744	-----	600	7	19	3,760	13,982
Other classes ¹	4	775,681	-----	304,060	234,288	5,000	28,540	3,484	2,802	910	-----	4,650	64,048
WILMINGTON	77	17,990,672	3,824,000	3,670,592	6,098,065	63,404	555,412	27,029	34,902	75,046	9,971	64,432	849,512
Operative builders.....	3	468,673	143,000	116,288	144,139	-----	0,772	-----	-----	25,590	-----	1,057	24,162
General contractors.....	33	10,193,497	3,597,000	2,065,278	2,648,120	37,038	503,750	23,305	10,934	25,193	8,470	38,453	220,311
Building.....	28	9,076,549	3,580,000	1,938,039	2,400,093	37,038	442,740	11,477	14,750	24,030	7,428	35,022	184,608
Building not specialized.....	21	8,858,712	3,068,000	1,836,180	2,241,802	37,038	418,050	11,477	12,669	18,886	5,510	33,940	171,978
Residential building only.....	7	817,837	482,000	98,859	158,401	-----	24,066	-----	2,081	6,053	1,907	1,082	12,605
Street paving and highway.....	5	516,948	17,000	127,239	248,033	-----	61,004	11,918	1,284	264	1,044	3,431	44,643
Subcontractors.....	41	6,728,502	84,000	1,480,026	3,305,803	25,406	341,890	3,634	16,868	24,257	1,501	24,922	500,030
Electrical.....	4	321,411	-----	65,569	145,601	-----	44,338	-----	2,722	365	-----	1,709	14,136
Heating and plumbing.....	15	3,783,491	44,000	424,773	2,138,581	7,206	146,638	150	6,870	12,887	1,377	6,037	407,943
Heating and piping.....	0	2,787,194	28,000	183,083	1,500,830	-----	117,558	150	4,380	8,542	972	4,198	331,934
Plumbing.....	5	620,945	15,000	101,498	367,351	4,609	24,259	-----	1,482	3,773	305	1,443	13,655
Plumbing and heating combined.....	4	336,852	1,000	80,212	100,400	2,600	4,821	-----	1,068	572	100	309	12,354
Masonry.....	3	631,771	37,000	184,652	314,243	13,200	15,474	-----	144	945	-----	3,049	14,804
Painting and decorating.....	5	324,135	1,000	157,887	74,536	-----	31,485	-----	600	2,310	-----	1,554	23,535
Plastering, marble, and tiling.....	4	422,264	2,000	181,205	160,901	-----	25,744	-----	1,080	3,080	5	800	21,724
Roofing and sheet-metal work.....	0	499,759	-----	140,880	237,053	-----	49,671	-----	3,666	3,154	119	7,054	49,249
Roofing.....	3	280,018	-----	72,549	132,285	-----	27,027	-----	3,000	3,147	100	3,295	35,267
Sheet-metal work.....	3	219,740	-----	68,331	105,368	-----	21,744	-----	600	7	19	3,760	13,982
Other classes ¹	4	775,681	-----	304,060	234,288	5,000	28,540	3,484	2,802	910	-----	4,650	64,048

¹ Includes carpentering and wood flooring; excavating; and foundation.

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 ¹	Subcontractors		All classes of establishments			General contractors ¹	Subcontractors
	Amount	Per cent distribution	Per \$1,000 construction work done ²				Amount	Per cent distribution	Per \$1,000 construction work done ²		
DELAWARE					WILMINGTON						
All kinds of material.....	\$6,701,557		\$453.14	\$3,113,301	\$3,588,166	All kinds of material.....	\$6,134,610		\$440.06	\$2,800,057	\$3,334,553
Distribution not reported.....	1,114,090	16.6		834,160	270,024	Distribution not reported.....	915,260	14.9		769,406	146,784
Distributed by kind.....	5,587,467	100.0		2,279,225	3,308,242	Distributed by kind.....	5,219,360	100.0		2,030,591	3,188,769
Sand, gravel, stone, slag, cinders, etc.	531,669	9.5	43.12	473,169	58,500	Sand, gravel, stone, slag, etc.	411,805	7.9	35.43	355,599	56,206
Brick (face, common, fire, paving, etc.)	346,203	6.2	28.08	130,424	215,779	Brick (face, common, fire, paving, etc.)	204,303	5.6	25.36	118,554	176,249
Tile (fireproofing)	41,958	.8	3.40	38,153	3,805	Tile (fireproofing)	41,958	.8	3.61	38,153	3,805
Tile, facing, terra cotta, floor, and wall	98,906	1.8	8.02	41,233	57,673	Tile, facing, terra cotta, floor, and wall	98,906	1.9	8.51	41,233	57,673
Concrete and cinder block	57,055	1.0	4.63	18,965	38,090	Concrete and cinder block	48,658	.9	4.19	18,965	29,693
Cut stone, granite, and marble	195,111	3.5	15.82	130,619	64,492	Cut stone, granite, and marble	185,619	3.6	16.06	136,619	50,000
Riprap, rubble, etc.	28,991	.5	2.35	1,451	27,540	Riprap, rubble, etc.	28,991	.6	2.49	1,451	27,540
Cement	264,504	4.7	21.45	206,089	58,415	Cement	188,182	3.6	10.19	134,749	53,433
Lime	30,367	.5	2.46	23,463	6,904	Lime	30,280	.6	2.60	23,463	6,817
Plaster, etc.	79,434	1.4	6.44	3,913	71,421	Plaster, etc.	79,434	1.5	6.33	8,013	71,421
Structural steel	47,852	.9	3.88	47,852		Structural steel	42,652	.8	3.07	42,652	
Reinforcing steel	46,304	.8	3.67	42,039	3,265	Reinforcing steel	41,493	.8	3.57	38,228	3,265
Cast iron, miscellaneous (excluding pipe)	1,719	(³)	.14	1,683	136	Cast iron, miscellaneous (excluding pipe)	1,719	(³)	.15	1,583	136
Metal doors, windows, and trim	17,588	.3	1.43	17,588		Metal doors, windows, and trim	17,588	.3	1.51	17,588	
Metal and wire lath and furring	40,340	.7	3.27	19,822	20,518	Metal and wire lath and furring	40,340	.8	3.47	19,822	20,518
Ornamental metal work	20,079	.4	1.63	20,079		Ornamental metal work	20,079	.4	1.73	20,079	
Lumber, rough and finished	454,737	8.1	36.88	406,488	48,249	Lumber, rough and finished	438,187	8.4	37.70	389,938	48,249
Lath, shingles, and shakes (wood)	23,555	.4	1.03	20,773	2,782	Lath, shingles, and shakes (wood)	23,405	.4	2.01	20,328	3,077
Millwork	318,069	5.7	25.87	208,669	109,400	Millwork	311,969	6.0	26.84	201,069	110,900
Composition board	9,938	.2	.81	9,238	699	Composition board	9,738	.2	.84	9,038	699
Waterproofing materials	9,387	.2	.76	5,813	3,574	Waterproofing materials	9,287	.2	.80	5,713	3,574
Hardware, rough and finished	83,532	1.5	6.77	78,532	5,000	Hardware, rough and finished	81,432	1.6	7.01	70,432	5,000
Paints, varnishes, glass	88,429	1.6	7.17	11,233	77,196	Paints, varnishes, glass	88,429	1.7	7.61	11,233	77,196
Roofing and sheet metal	243,000	4.3	19.71	7,025	235,975	Roofing and sheet metal	238,000	4.6	20.48	7,025	230,975
Finished flooring other than cement, wood, or tile	3,451	.1	.28	3,451		Finished flooring other than cement, wood, or tile	3,451	.1	.30	3,451	
Screens, shades, awnings, etc.	7,490	.1	.61	7,490		Screens, shades, awnings, etc.	7,490	.1	.65	7,490	
Heating and ventilating equipment	1,661,413	29.7	134.74	8,046	1,653,367	Heating and ventilating equipment	1,649,413	31.6	141.91	8,046	1,641,367
Plumbing and gas-fitting equipment	397,249	7.1	32.22	15,130	382,119	Plumbing and gas-fitting equipment	365,401	7.0	31.45	15,130	350,271
Electrical appliances and supplies	175,727	3.1	14.25	9,716	166,011	Electrical appliances and supplies	175,727	3.4	15.12	9,716	166,011
Elevators, dumb-waiters, and equipment	2,400	(³)	.19	2,400		Elevators, dumb-waiters, and equipment	2,400	(³)	.21	2,400	
Pipe: Drain tile, vitrified, concrete, segment tile, corrugated	23,896	.4	1.94	20,396	3,500	Pipe: Drain tile, vitrified, concrete, segment tile, corrugated	14,911	.3	1.28	14,411	500
Pipe: Cast-iron, sheet and tube steel, etc.	28,758	.5	2.33	15,758	13,000	Pipe: Cast-iron, sheet and tube steel, etc.	19,280	.4	1.66	9,280	10,000
Wire cable, guards, and fencing	23	(³)		23		Wire cable, guards, and fencing	23	(³)		23	
Bituminous paving materials, tar, asphalt, and oil	110,226	2.0	8.94	110,226		Bituminous paving materials, tar, asphalt, and oil	110,226	2.1	9.48	110,226	
Metal products, n. e. s.	328	(³)	.03	328		Metal products, n. e. s. (including metal furniture)	328	(³)	.03	328	
Miscellaneous	97,581	1.7	7.01	21,068	76,513	Miscellaneous	96,668	1.9	8.32	21,068	75,600

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 Less than one-tenth of 1 per cent.
⁴ The percentage of total cost for this item is high because establishments located within this area reported that a large part of their construction work (on which their material was used) was done on contract outside home city or State.

CONSTRUCTION—DELAWARE

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	Total cost	Per cent of—			Amount	Per cent of—	
			Total cost	Cost of all distributed materials											Total cost	Cost of all distributed materials
DELAWARE						DELAWARE—Continued										
<i>Sand, gravel, stone, slag, cinders, etc.</i>						<i>Lumber, rough and finished</i>										
All classes.....	\$5,587,467	\$531,669	100.0	9.5	\$14,117,185	70.1	All classes.....	\$5,587,467	\$454,737	100.0	8.1	\$14,117,185	70.1			
General contractors ²	2,279,225	473,169	89.0	20.8	7,447,404	66.0	General contractors ²	2,279,225	406,488	89.4	17.8	7,447,404	66.0			
Building.....	1,868,408	278,379	52.4	14.9	6,596,612	63.8	Building.....	1,868,408	401,777	88.4	21.5	6,596,612	63.8			
Building not specialized ²	1,735,491	278,179	52.4	16.0	5,881,397	65.8	Building not specialized ²	1,735,491	358,280	78.8	20.6	5,881,397	65.8			
Residential building only.....	125,125	200	(*)	2	674,372	41.1	Commercial building only.....	7,792	4,100	9	52.6	40,843	58.5			
Highway.....	241,134	126,601	28.8	52.5	506,859	99.4	Residential building only.....	125,125	39,307	8.7	31.5	674,372	41.1			
Street paving.....	169,683	68,129	12.8	40.2	343,993	96.0	Highway.....	241,134	2,700	.6	1.1	506,859	99.4			
Subcontractors.....	3,308,242	58,500	11.0	1.8	6,669,721	98.8	Street paving.....	169,683	2,005	.4	1.2	343,993	96.0			
Masonry.....	378,958	21,020	4.1	5.7	758,429	94.9	Subcontractors.....	3,308,242	48,240	10.6	1.5	6,669,721	98.8			
Plastering and lathing.....	76,933	8,054	1.5	10.5	234,585	99.1	Carpentering and wood flooring.....	14,767	12,607	2.8	85.4	45,660	100.0			
Foundation.....	219,521	28,826	5.4	13.1	649,083	100.0	Masonry.....	378,958	30,000	6.6	7.9	758,429	94.9			
<i>Brick (face, common, fire, paving, etc.)</i>							Plastering and lathing.....	76,933	560	.1	.7	234,585	99.1			
All classes.....	5,587,467	340,203	100.0	6.2	14,117,185	70.1	Foundation.....	219,521	5,082	1.1	2.3	649,083	100.0			
General contractors ²	2,279,225	130,424	37.7	5.7	7,447,404	66.0	<i>Millwork</i>									
Building.....	1,868,408	128,823	37.2	6.9	6,596,612	63.8	All classes.....	5,587,467	318,909	100.0	5.7	14,117,185	70.1			
Building not specialized ²	1,735,491	119,792	34.6	6.9	5,881,397	65.8	General contractors ²	2,279,225	268,069	93.7	13.1	7,447,404	66.0			
Residential building only.....	125,125	9,031	2.6	7.2	674,372	41.1	Building.....	1,868,408	298,069	93.7	16.0	6,596,612	63.8			
Street paving.....	169,683	1,601	.5	.9	343,993	96.0	Building not specialized ²	1,735,491	244,881	70.8	14.1	5,881,397	65.8			
Subcontractors.....	3,308,242	215,779	62.3	6.5	6,669,721	98.8	Commercial building only.....	7,792	2,000	6	25.7	40,843	58.5			
Masonry.....	378,958	173,872	50.2	46.9	758,429	94.9	Residential building only.....	125,125	52,088	16.3	41.0	674,372	41.1			
Foundation.....	219,521	41,907	12.1	19.1	649,083	100.0	Subcontractors.....	3,308,242	20,000	6.3	.6	6,669,721	98.8			
<i>Tile, facing, terra cotta, floor, and wall</i>							Masonry.....	378,958	20,000	6.3	5.3	758,429	94.9			
All classes.....	5,587,467	98,900	100.0	1.8	14,117,185	70.1	<i>Hardware, rough and finished</i>									
General contractors ²	2,279,225	41,233	41.7	1.9	7,120,791	66.5	All classes.....	5,587,467	83,532	100.0	1.5	14,117,185	70.1			
Building.....	1,743,369	40,853	40.8	2.3	6,269,939	63.0	General contractors ²	2,279,225	78,592	94.0	3.4	7,447,404	66.0			
Building not specialized.....	1,610,462	40,853	40.8	2.5	5,564,724	65.0	Building.....	1,868,408	76,746	91.9	4.1	6,596,612	63.8			
Street paving.....	169,683	880	.9	.5	343,993	96.0	Building not specialized ²	1,735,491	62,788	75.2	3.6	5,881,397	65.8			
Subcontractors.....	3,308,242	57,673	58.3	1.7	6,669,721	98.8	Commercial building only.....	7,792	1,602	2.0	21.7	40,843	58.5			
Marble and tiling.....	112,718	57,673	58.3	51.2	257,669	100.0	Residential building only.....	125,125	12,266	14.7	9.8	674,372	41.1			
<i>Cut stone, granite and marble</i>							Highway.....	241,134	70	(*)	.0	506,859	99.4			
All classes.....	5,587,467	195,111	100.0	3.5	14,117,185	70.1	Street paving.....	169,683	1,716	2.1	1.0	343,993	96.0			
General contractors ²	2,279,225	136,619	70.0	6.0	7,447,404	66.0	Subcontractors.....	3,308,242	5,000	0.0	.2	6,669,721	98.8			
Building.....	1,868,408	136,619	70.0	7.3	6,596,612	63.8	Masonry.....	378,958	5,000	6.0	1.3	758,429	94.9			
Building not specialized ²	1,735,491	136,619	70.0	7.9	5,881,397	65.8	<i>Paints, varnishes, glass</i>									
Subcontractors.....	3,308,242	58,492	30.0	1.8	6,669,721	98.8	All classes.....	5,587,467	88,429	100.0	1.6	14,117,185	70.1			
Masonry.....	378,958	58,492	30.0	15.4	758,429	94.9	General contractors ²	2,279,225	11,233	12.7	.5	7,447,404	66.0			
<i>Cement</i>							Building.....	1,868,408	11,162	12.6	.0	6,596,612	63.8			
All classes.....	5,587,467	264,504	100.0	4.7	14,117,185	70.1	Building not specialized ²	1,735,491	10,777	12.2	.0	5,881,397	65.8			
General contractors ²	2,279,225	200,069	77.9	9.0	7,447,404	66.0	Residential building only.....	125,125	385	.4	.3	674,372	41.1			
Building.....	1,868,408	136,645	51.7	7.3	6,596,612	63.8	Street paving.....	169,683	71	.1	(*)	343,993	96.0			
Building not specialized ²	1,735,491	136,645	51.4	7.8	5,881,397	65.8	Subcontractors.....	3,308,242	77,190	87.3	2.3	6,669,721	98.8			
Residential building only.....	125,125	600	.2	.5	674,372	41.1	Carpentering and wood flooring.....	14,767	2,160	2.4	14.0	45,660	100.0			
Highway.....	241,134	63,886	24.0	26.3	506,859	99.4	Heating and plumbing.....	2,047,555	500	.0	(*)	3,678,984	98.9			
Street paving.....	169,683	6,038	2.3	3.6	343,993	96.0	Heating and piping.....	1,590,830	500	.0	(*)	2,787,194	99.0			
Subcontractors.....	3,308,242	58,435	22.1	1.8	6,669,721	98.8	Painting and decorating.....	74,536	74,536	84.3	100.0	824,135	99.7			
Masonry.....	378,958	26,309	9.9	6.9	758,429	94.9	<i>Roofing and sheet metal</i>									
Plastering and lathing.....	76,933	713	.3	.9	234,585	99.1	All classes.....	5,587,467	243,000	100.0	4.3	14,117,185	70.1			
Foundation.....	219,521	31,413	11.9	14.3	649,083	100.0	General contractors.....	2,279,225	7,625	3.1	.4	7,120,791	66.5			
<i>Plaster, etc.</i>							Building.....	1,743,369	7,625	3.1	.4	6,269,939	63.6			
All classes.....	5,587,467	70,434	100.0	1.4	14,117,185	70.1	Building not specialized.....	1,610,452	7,625	3.1	.5	5,564,724	65.6			
General contractors ²	2,279,225	8,013	10.1	.4	7,447,404	66.6	Subcontractors.....	3,308,242	235,875	96.0	7.1	6,669,721	98.8			
Building.....	1,868,408	8,013	10.1	.4	6,596,612	63.8	Heating and plumbing.....	2,047,555	5,000	2.1	.2	3,678,984	98.0			
Building not specialized ²	1,735,491	5,713	7.2	.3	5,881,397	65.8	Plumbing.....	388,355	5,000	2.1	1.3	676,860	98.0			
Residential building only.....	125,125	2,300	2.9	1.8	674,372	41.1	Roofing and sheet-metal work.....	237,653	236,875	94.8	96.9	499,759	100.0			
Highway.....	241,134	63,886	24.0	26.3	506,859	99.4	Roofing.....	132,285	125,007	51.4	94.5	280,013	100.0			
Street paving.....	169,683	6,038	2.3	3.6	343,993	96.0	Sheet-metal work.....	83,175	83,175	34.2	100.0	186,299	100.0			
Subcontractors.....	3,308,242	71,421	89.9	2.2	6,669,721	98.8	Roofing and sheet metal combined.....	22,193	22,193	0.1	100.0	38,447	100.0			
Masonry.....	378,958	42,585	53.0	55.4	758,429	99.1										
Plastering and lathing.....	76,933	42,585	53.0	55.4	234,585	99.1										
Marble and tiling.....	112,718	28,336	36.3	25.0	257,669	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		
DELAWARE—Continued						WILMINGTON—Continued							
<i>Heating and ventilating equipment</i> ¹⁰						<i>Brick (face, common, fire, paving, etc.)</i>							
All classes.....	\$5,587,467	\$1,061,413	100.0	29.7	\$14,117,185	79.1	All classes.....	\$5,219,360	\$294,803	100.0	5.6	\$13,307,591	78.1
General contractors ²	\$2,270,225	8,046	.5	.4	\$7,447,404	66.6	General contractors ²	\$2,030,591	118,554	40.2	5.8	\$6,862,500	64.9
Building.....	\$1,868,408	8,046	.5	.4	\$6,596,612	63.8	Building.....	\$1,805,558	118,953	39.7	6.5	\$6,423,612	63.3
Building not specialized ²	1,735,491	8,046	.5	.5	5,881,397	65.8	Building not specialized ²	1,672,641	107,922	36.6	6.5	5,708,397	65.3
Residential building only.....	125,125			2.4	674,372	41.1	Residential building only.....	125,125	9,031	3.1	7.2	674,372	41.1
Street paving.....	169,683			.7	343,993	96.0	Street paving.....	169,683	1,601	.5	.9	343,993	96.0
Subcontractors.....	\$3,308,242	1,063,367	99.5	50.0	\$6,669,721	98.8	Subcontractors.....	\$3,188,769	176,249	59.8	5.5	\$6,445,031	98.8
Heating and plumbing.....	2,047,555	1,043,436	98.9	80.3	3,678,984	98.9	Masonry.....	314,243	134,342	45.0	42.8	631,771	94.1
Heating and piping.....	1,590,830	499,900	90.3	94.3	2,787,194	99.0	Foundation.....	219,521	41,907	14.2	19.1	649,083	100.0
Plumbing.....	388,355	105,368	6.3	2.1	676,950	98.0	<i>Tile, facing, terra cotta, floor, and wall</i>						
Plumbing and heating combined.....	68,370	88,168	2.3	55.8	114,840	99.7	All classes.....	\$5,219,360	98,906	100.0	1.9	\$13,307,591	78.1
Roofing and sheet-metal work.....	132,285	4,132	.2	1.7	499,759	100.0	General contractors.....	\$1,905,552	41,233	41.7	2.2	\$6,535,887	64.7
Roofing.....	132,285	4,132	.2	3.1	280,013	100.0	Building.....	\$1,680,519	40,353	40.8	2.4	\$6,096,939	63.0
Marble and tiling.....	112,718	5,799	.3	5.1	257,669	100.0	Building not specialized.....	1,547,002	40,353	40.8	2.0	5,381,724	65.0
<i>Plumbing and gas-fitting equipment</i>						<i>Cut stone, granite and marble</i>							
All classes.....	5,587,467	397,249	100.0	7.1	14,117,185	79.1	All classes.....	5,219,360	186,619	100.0	3.6	13,307,591	78.1
General contractors ²	\$2,270,225	15,130	3.8	.7	\$7,447,404	66.6	General contractors ²	\$2,030,591	136,619	73.2	6.7	\$6,862,500	64.9
Building.....	\$1,868,408	13,893	3.5	.7	\$6,596,612	63.8	Building.....	\$1,680,519	136,619	73.2	7.0	\$6,423,612	63.3
Building not specialized ²	1,735,491	10,893	2.7	.6	5,881,397	65.8	Building not specialized ²	1,672,641	136,619	73.2	8.2	5,708,397	65.3
Residential building only.....	125,125	3,000	.8	2.4	674,372	41.1	Residential building only.....	125,125	600	.3	.5	674,372	41.1
Street paving.....	169,683	1,237	.3	.7	343,993	96.0	Highway.....	55,350	1,946	1.0	3.5	94,955	100.0
Subcontractors.....	\$3,308,242	382,119	96.2	11.6	\$6,669,721	98.8	Street paving.....	169,683	6,038	3.2	3.0	343,993	96.0
Heating and plumbing.....	2,047,555	382,119	96.2	18.7	3,578,984	98.9	Subcontractors.....	\$3,188,769	57,673	58.3	1.8	\$6,445,031	98.8
Heating and piping.....	1,590,830	79,930	20.1	5.0	2,787,194	99.0	Marble and tiling.....	112,718	57,673	58.3	51.2	257,000	100.0
Plumbing.....	388,355	271,987	68.5	70.0	676,950	98.0	<i>Cement</i>						
Plumbing and heating combined.....	68,370	30,202	7.6	44.2	114,840	99.7	All classes.....	5,219,360	188,182	100.0	3.6	13,307,591	78.1
<i>Electrical appliances and supplies</i>						<i>Plaster, etc.</i>							
All classes.....	5,587,467	175,727	100.0	3.1	14,117,185	79.1	All classes.....	5,219,360	70,434	100.0	1.5	13,307,591	78.1
General contractors ²	\$2,270,225	9,716	5.5	.4	\$7,447,404	66.6	General contractors ²	\$2,030,591	134,740	71.0	6.0	\$6,862,500	64.9
Building.....	\$1,868,408	6,208	3.6	.3	\$6,596,612	63.8	Building.....	\$1,805,558	126,765	67.4	7.0	\$6,423,612	63.3
Building not specialized ²	1,735,491	4,818	2.7	.3	5,881,397	65.8	Building not specialized ²	1,672,641	126,165	67.0	7.6	5,708,397	65.3
Residential building only.....	125,125	1,480	.8	1.2	674,372	41.1	Residential building only.....	125,125	600	.3	.5	674,372	41.1
Street paving.....	169,683	3,418	1.9	2.0	343,993	96.0	Highway.....	55,350	1,946	1.0	3.5	94,955	100.0
Subcontractors.....	\$3,308,242	166,011	94.5	5.0	\$6,669,721	98.8	Street paving.....	169,683	6,038	3.2	3.0	343,993	96.0
Electrical.....	145,601	145,601	82.9	100.0	321,411	100.0	Subcontractors.....	\$3,188,769	53,433	28.4	1.7	\$6,445,031	98.8
Marble and tiling.....	112,718	20,410	11.6	18.1	257,669	100.0	Masonry.....	314,243	21,307	11.3	6.8	631,771	94.1
<i>Bituminous paving materials, tar, asphalt, and oil</i>						<i>Lumber, rough and finished</i>							
All classes.....	5,587,467	110,226	100.0	2.0	14,117,185	79.1	All classes.....	5,219,360	438,187	100.0	8.4	13,307,591	78.1
General contractors.....	2,154,136	110,226	100.0	5.1	7,120,791	66.5	General contractors ²	2,030,591	389,938	89.0	19.2	6,862,500	64.9
Building.....	1,743,369	20,883	18.9	1.2	6,269,939	63.0	Building.....	1,805,558	387,627	88.5	21.5	6,423,612	63.3
Building not specialized.....	1,610,452	20,883	18.9	1.3	5,554,724	65.0	Building not specialized.....	1,672,641	5,713	7.2	.3	5,708,397	65.3
Highway.....	241,134	31,352	28.4	13.0	506,859	99.4	Residential building only.....	125,125	2,300	2.9	1.8	674,372	41.1
Street paving.....	169,683	57,991	52.0	34.2	343,993	96.0	Residential building only.....	125,125	4,100	.9	52.0	40,843	58.5
WILMINGTON						General contractors².....							
<i>Sand, gravel, stone, slag, cinders, etc.</i>						<i>Commercial building only.....</i>							
All classes.....	5,219,360	411,806	100.0	7.9	13,307,591	78.1	All classes.....	5,219,360	39,397	9.0	31.5	674,372	41.1
General contractors ²	2,030,591	355,699	86.4	17.5	6,862,500	64.9	Highway.....	55,350	306	.1	.6	94,955	100.0
Building.....	\$1,805,558	268,597	65.2	14.9	\$6,423,612	63.3	Street paving.....	169,683	2,005	.5	1.2	343,993	96.0
Building not specialized.....	1,672,641	268,379	65.2	16.0	5,708,397	65.3	Subcontractors.....	\$3,188,769	48,249	11.0	1.5	\$6,445,031	98.8
Residential building only.....	125,125	200	(⁴)	.2	674,372	41.1	Carpentering and wood flooring.....	14,767	12,607	2.9	85.4	45,066	100.0
Highway.....	55,350	18,891	4.6	34.1	94,955	100.0	Masonry.....	314,243	30,000	6.8	9.5	631,771	94.1
Street paving.....	169,683	68,129	16.5	40.2	343,993	96.0	Plastering and lathing.....	70,933	560	.1	.7	234,585	99.1
Subcontractors.....	\$3,188,769	56,206	13.6	1.8	\$6,445,031	98.8	Foundation.....	219,521	5,082	1.2	2.3	649,083	100.0
Masonry.....	314,243	19,326	4.7	6.2	631,771	94.1							
Plastering and lathing.....	76,933	8,054	2.0	10.5	234,585	99.1							
Foundation.....	219,521	28,826	7.0	13.1	649,083	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	Per cent of—						Amount	Per cent of—			
			Total cost	Cost of all distributed materials						Total cost	Cost of all distributed materials		
WILMINGTON—Continued						WILMINGTON—Continued							
<i>Millwork</i>						<i>Heating and ventilating equipment¹⁰</i>							
All classes.....	\$5,219,360	\$311,969	100.0	6.0	\$13,307,591	78.1	All classes.....	\$5,219,360	\$1,649,413	100.0	31.6	\$13,307,591	78.1
General contractors ²	2,030,591	291,969	93.0	14.4	6,862,560	64.9	General contractors ²	2,030,591	8,046	5.0	4.4	6,862,560	64.9
Building.....	1,805,558	291,969	93.0	16.2	0,423,612	63.3	Building.....	1,805,558	8,046	5.0	4.4	0,423,612	63.3
Building not specialized ³	1,672,641	237,881	76.3	14.2	5,708,397	65.3	Building not specialized ³	1,672,641	8,046	5.0	5.6	5,708,397	65.3
Commercial building only.....	7,702	2,000	0.0	25.7	40,843	58.5	Commercial building only.....	7,702	0	0.0	25.7	40,843	58.5
Residential building only.....	125,125	52,088	16.7	41.6	674,372	41.1	Residential building only.....	125,125	0	0.0	41.6	674,372	41.1
Subcontractors.....	3,188,769	20,000	6.4	0.6	6,445,031	98.8	Subcontractors.....	3,188,769	1,641,367	99.5	51.6	6,445,031	98.8
Masonry.....	314,243	20,000	6.4	6.4	631,771	94.1	Heating and plumbing.....	1,992,797	1,631,436	98.9	81.9	3,480,952	98.8
<i>Hardware, rough and finished</i>						<i>Plumbing and gas fitting equipment</i>							
All classes.....	5,219,360	81,431	100.0	1.6	13,307,591	78.1	All classes.....	5,219,360	365,491	100.0	7.0	13,307,591	78.1
General contractors ²	2,030,591	76,432	93.9	3.8	0,862,560	64.9	General contractors ²	2,030,591	15,130	4.1	0.7	0,862,560	64.9
Building.....	1,805,558	74,640	91.7	4.1	0,423,612	63.3	Building.....	1,805,558	13,893	3.8	0.8	0,423,612	63.3
Building not specialized ³	1,672,641	60,688	74.5	3.6	5,708,397	65.3	Building not specialized ³	1,672,641	10,893	3.0	0.7	5,708,397	65.3
Commercial building only.....	7,702	1,692	2.1	21.7	40,843	58.5	Commercial building only.....	7,702	0	0.0	21.7	40,843	58.5
Residential building only.....	125,125	12,266	15.1	9.8	674,372	41.1	Residential building only.....	125,125	3,000	0.8	2.4	674,372	41.1
Highway.....	55,350	70	0.1	1.0	94,955	100.0	Highway.....	55,350	0	0.0	1.0	94,955	100.0
Street paving.....	169,683	1,710	2.1	1.0	343,993	96.0	Street paving.....	169,683	1,237	0.3	2.7	343,993	96.0
Subcontractors.....	3,188,769	5,000	6.1	0.2	6,445,031	98.8	Subcontractors.....	3,188,769	350,361	95.9	11.0	6,445,031	98.8
Masonry.....	314,243	5,000	6.1	1.6	631,771	94.1	Heating and plumbing.....	1,992,797	350,361	95.9	17.0	3,480,952	98.8
<i>Paints, varnishes, glass</i>						<i>Electrical appliances and supplies</i>							
All classes.....	5,219,360	88,429	100.0	1.7	13,307,591	78.1	All classes.....	5,219,360	176,727	100.0	3.4	13,307,591	78.1
General contractors ²	2,030,591	11,233	12.7	0.6	0,862,560	64.9	General contractors ²	2,030,591	9,716	5.5	0.6	0,862,560	64.9
Building.....	1,805,558	11,162	12.6	0.6	0,423,612	63.3	Building.....	1,805,558	6,298	3.6	0.3	0,423,612	63.3
Building not specialized ³	1,672,641	10,777	12.2	0.6	5,708,397	65.3	Building not specialized ³	1,672,641	4,818	2.7	0.8	5,708,397	65.3
Commercial building only.....	125,125	385	0.4	3.0	674,372	41.1	Commercial building only.....	125,125	1,480	0.8	2.0	674,372	41.1
Residential building only.....	125,125	71	0.1	(⁶)	343,993	96.0	Residential building only.....	125,125	3,418	1.9	1.2	343,993	96.0
Street paving.....	169,683	71	0.1	(⁶)	343,993	96.0	Street paving.....	169,683	3,418	1.9	2.0	343,993	96.0
Subcontractors.....	3,188,769	77,196	87.3	2.4	6,445,031	98.8	Subcontractors.....	3,188,769	166,011	94.5	5.2	6,445,031	98.8
Carpentering and wood flooring.....	14,767	2,160	2.4	14.6	45,666	100.0	Electrical.....	145,601	145,601	82.9	100.0	321,411	100.0
Heating and plumbing.....	1,992,797	500	0.0	(⁶)	3,480,952	98.8	Marble and tiling.....	112,718	20,410	11.6	18.1	257,669	100.0
Heating and piping.....	1,590,830	500	0.0	(⁶)	2,787,194	99.0	<i>Bituminous paving materials, tar, asphalt, and oil</i>						
Painting and decorating.....	74,536	74,536	84.3	100.0	324,135	99.7	All classes.....	5,219,360	110,226	100.0	2.1	13,307,591	78.1
<i>Roofing and sheet metal</i>						<i>Roofing and sheet metal</i>							
All classes.....	5,219,360	238,000	100.0	4.6	13,307,591	78.1	All classes.....	5,219,360	110,226	100.0	5.8	6,535,887	64.7
General contractors ²	1,905,552	7,625	3.2	0.4	0,535,887	64.7	Building.....	1,680,519	20,883	18.9	1.2	0,606,939	63.0
Building.....	1,680,519	7,625	3.2	0.5	0,090,939	63.0	Building not specialized.....	1,547,602	20,883	18.9	1.3	5,381,724	65.0
Building not specialized.....	1,547,602	7,625	3.2	0.5	5,381,724	65.0	Highway.....	55,350	31,352	28.4	50.6	94,955	100.0
Subcontractors.....	3,188,769	230,375	96.8	7.2	6,445,031	98.8	Street paving.....	169,683	57,991	52.0	34.2	343,993	96.0
Roofing and sheet-metal work.....	237,653	230,375	96.8	96.9	499,759	100.0							
Roofing.....	132,285	125,007	52.5	94.5	280,013	100.0							
Sheet-metal work.....	83,175	83,175	34.9	100.0	186,299	100.0							
Roofing and sheet metal combined.....	22,193	22,193	9.3	100.0	33,447	100.0							

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

² Includes operative builders.

³ Includes cost of materials reported by establishments which did not include designated material in their distributed lists.

⁴ Includes construction work reported by establishments which did not include the designated material in their distributed lists.

⁵ Less than one-tenth of 1 per cent.

⁶ Includes cost of materials reported by operative builders who did not include the designated material in their distributed lists.

⁷ Includes construction work reported by operative builders who did not include the designated material in their distributed lists.

⁸ Includes cost of materials reported by subcontracting establishments which did not include the designated material in their distributed lists.

⁹ Includes construction work reported by subcontracting establishments which did not include the designated material in their distributed lists.

¹⁰ See footnote 4, table 9, page 314.

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. 319, the third section on p. 319]

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	Rip-rap, rubble, etc.	Cement	Lime	Plaster, etc.	Structural steel
		Amount	Per cent of total											
DELAWARE	\$6,701,557	\$5,587,487	83.4	\$531,669	\$346,203	\$41,958	\$98,906	\$57,055	\$195,111	\$28,991	\$264,504	\$30,387	\$79,434	\$47,852
Operative builders.....	144,139	125,039	86.7	11,014	5,815	180	-----	4,388	2,337	-----	6,464	211	3,377	3,742
General contractors.....	2,969,252	2,154,186	72.5	462,155	124,609	37,973	41,233	14,577	134,282	1,451	199,005	23,252	4,636	44,110
Building.....	2,535,435	1,743,369	68.8	267,365	123,008	37,973	40,353	14,238	134,282	1,451	130,181	22,024	4,636	43,908
Building not specialized.....	2,309,152	1,610,452	68.0	267,165	113,977	37,973	40,353	14,238	134,282	1,451	129,581	22,024	2,336	43,316
Commercial building only.....	7,792	7,792	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Residential building only.....	158,491	125,125	78.9	200	9,031	-----	-----	-----	-----	-----	600	-----	2,300	682
Highway.....	241,134	241,134	100.0	126,661	-----	-----	-----	-----	-----	-----	1,946	-----	-----	-----
Street paving.....	192,683	169,683	88.1	68,129	1,601	-----	880	339	-----	-----	6,038	156	-----	112
Subcontractors.....	3,588,166	3,308,242	92.2	58,500	215,779	3,805	57,673	38,090	58,492	27,540	58,435	6,904	71,421	-----
Carpentering and wood flooring.....	14,767	14,767	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Electrical.....	145,601	145,601	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Heating and plumbing.....	2,315,479	2,047,555	88.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Heating and piping.....	1,690,900	1,590,830	95.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Plumbing.....	426,447	388,355	90.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Plumbing and heating combined.....	219,132	68,370	31.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Masonry.....	300,958	378,958	96.9	21,620	173,872	-----	-----	35,937	58,492	-----	26,309	6,679	-----	-----
Painting and decorating.....	74,536	74,536	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Plastering and lathing.....	76,933	76,933	100.0	8,054	-----	-----	-----	-----	-----	-----	713	-----	42,585	-----
Roofing and sheet-metal work.....	237,653	237,653	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Roofing.....	132,285	132,285	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Sheet-metal work.....	83,175	83,175	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Roofing and sheet-metal combined.....	22,193	22,193	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Marble and tiling.....	112,718	112,718	100.0	-----	-----	-----	57,673	-----	-----	-----	-----	-----	28,836	-----
Foundation.....	219,521	219,521	100.0	28,826	41,907	3,805	-----	2,153	-----	27,540	31,413	225	-----	-----
WILMINGTON	6,134,610	5,219,380	85.1	411,805	284,803	41,958	98,906	48,658	186,619	28,991	188,182	30,280	79,434	42,652
Operative builders.....	144,139	125,039	86.7	11,014	5,815	180	-----	4,388	2,337	-----	6,464	211	3,377	3,742
General contractors.....	2,655,918	1,905,552	71.7	344,585	112,730	37,973	41,233	14,577	134,282	1,451	128,285	23,252	4,636	38,910
Building.....	2,407,885	1,690,519	69.8	287,565	111,138	37,973	40,353	14,238	134,282	1,451	120,301	22,024	4,636	38,798
Building not specialized.....	2,241,602	1,647,602	69.0	287,365	102,107	37,973	40,353	14,238	134,282	1,451	119,701	22,024	2,336	38,116
Commercial building only.....	7,792	7,792	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Residential building only.....	158,491	125,125	78.9	200	9,031	-----	-----	-----	-----	-----	600	-----	2,300	682
Highway.....	241,134	241,134	100.0	18,891	-----	-----	-----	-----	-----	-----	1,946	-----	-----	-----
Street paving.....	192,683	169,683	88.1	68,129	1,601	-----	880	339	-----	-----	6,038	156	-----	112
Subcontractors.....	3,334,553	3,188,769	95.6	56,266	176,249	3,805	57,673	29,693	50,000	27,540	53,433	6,817	71,421	-----
Carpentering and wood flooring.....	14,767	14,767	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Electrical.....	145,601	145,601	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Heating and plumbing.....	2,138,581	1,992,797	93.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Heating and piping.....	1,590,830	1,590,830	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Plumbing.....	357,351	333,597	93.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Plumbing and heating combined.....	100,400	68,370	68.9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Masonry.....	314,243	314,243	100.0	19,326	134,342	-----	-----	27,540	50,000	-----	21,307	6,592	-----	-----
Painting and decorating.....	74,536	74,536	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Plastering and lathing.....	76,933	76,933	100.0	8,054	-----	-----	-----	-----	-----	-----	713	-----	42,585	-----
Roofing and sheet-metal work.....	237,653	237,653	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Roofing.....	132,285	132,285	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Sheet-metal work.....	83,175	83,175	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Roofing and sheet metal combined.....	22,193	22,193	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Marble and tiling.....	112,718	112,718	100.0	-----	-----	-----	57,673	-----	-----	-----	-----	-----	28,836	-----
Foundation.....	219,521	219,521	100.0	28,826	41,907	3,805	-----	2,153	-----	27,540	31,413	225	-----	-----

CONSTRUCTION—DELAWARE

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

[See note at head of this table]

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	Mill-work	Compo-sition board	Water-proofing materials	Hard-ware, rough and finished	Paints, var-nishes, and glass	Roofing and sheet metal	Fin-ished flooring, n. e. s.
DELAWARE	\$45,804	\$1,719	\$17,588	\$40,340	\$20,079	\$454,737	\$23,855	\$318,969	\$9,936	\$9,387	\$88,532	\$88,429	\$243,000	\$3,451
Operative builders			690	172		35,013		10,672	3,641		4,172	4,726		
General contractors	42,039	1,583	16,898	19,650	20,079	370,875	20,773	282,297	5,507	5,813	74,300	6,507	7,625	3,451
Building	39,454	38	16,898	19,650	20,079	306,104	20,773	282,297	5,459	5,754	72,574	6,430	7,625	3,451
Building not specialized	39,454	38	16,898	19,650	20,079	322,667	20,773	228,209	5,459	5,754	58,016	6,051	7,625	1,651
Commercial building only						4,100		2,000			1,602			
Residential building only						39,397		52,088			12,266	385		1,800
Highway	1,711	531				2,706					70			
Street paving	874	1,014				2,005			138	59	1,716	71		
Subcontractors	3,265	136		20,518		48,240	3,082	20,000	698	3,574	5,000	77,196	235,375	
Carpentering and wood flooring						12,607						2,160		
Heating and plumbing												500	5,000	
Heating and piping												500		
Plumbing													5,000	
Masonry		136				30,000		20,000			5,000			
Painting and decorating												74,530		
Plastering and lathing				20,518		500	3,082		698	123				
Roofing and sheet-metal work										3,146			230,375	
Roofing										3,146			125,007	
Sheet-metal work													83,175	
Roofing and sheet metal combined													22,193	
Foundation	3,265					5,082				305				
WILMINGTON	41,493	1,719	17,588	40,340	20,079	438,187	23,405	311,069	9,786	9,287	81,432	88,439	238,000	3,451
Operative builders			690	172		35,013		10,672	3,641		4,172	4,726		
General contractors	38,228	1,583	16,898	19,650	20,079	354,325	20,323	275,297	5,397	5,713	72,200	6,507	7,625	3,451
Building	37,354	38	16,898	19,650	20,079	352,014	20,323	275,297	5,250	5,654	70,474	6,430	7,625	3,451
Building not specialized	37,354	38	16,898	19,650	20,079	308,517	20,323	221,209	5,250	5,654	56,516	6,051	7,625	1,651
Commercial building only						4,100		2,000			1,602			
Residential building only						39,397		52,088			12,266	385		1,800
Highway		531				306					70			
Street paving	874	1,014				2,005			138	59	1,716	71		
Subcontractors	3,265	180		20,518		48,240	3,082	20,000	698	3,574	5,000	77,196	230,375	
Carpentering and wood flooring						12,607						2,160		
Heating and plumbing												500	5,000	
Heating and piping												500		
Plumbing													5,000	
Masonry		180				30,000		20,000			5,000			
Painting and decorating												74,530		
Plastering and lathing				20,518		500	3,082		698	123				
Roofing and sheet-metal work										3,146			230,375	
Roofing										3,146			125,007	
Sheet-metal work													83,175	
Roofing and sheet metal combined													22,193	
Foundation	3,265					5,082				305				

CLASSIFICATION OF ESTABLISHMENTS	Screens, shades, awnings, etc.	Heating and ventilating equipment ¹	Plumb-ing and gas-fitting equip-ment	Elec-trical appliances and supplies	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 materials	Wood piling and timber	Ready mixed concrete	Ma-chin-ery	Metal prod-ucts, n. e. s.	Miscolla-neous
DELAWARE	\$7,490	\$1,661,413	\$397,249	\$175,727	\$2,400	\$23,896	\$28,758	\$23	\$110,226				\$328	\$97,681
Operative builders	2,142	8,000	10,898	790										
General contractors	5,348	46	4,237	8,926	2,400	20,393	15,758	23	110,226				328	21,068
Building	5,348	46	8,000	5,508	2,400	8,057	39		20,883				328	10,699
Building not specialized	3,452	46	4,028	4,028	2,400	8,057	39		20,883				328	10,699
Residential building only	1,896		3,000	1,480										
Highway						7,743	8,802		31,352					10,369
Street paving			1,237	3,418		4,596	8,917	23	57,991					
Subcontractors		1,053,367	352,119	166,011		3,500	13,000							76,613
Electrical				145,601										
Heating and plumbing		1,043,436	352,119											
Heating and piping		1,499,909	79,930			500	10,000							
Plumbing		105,368	271,987			3,000	3,000							
Plumbing and heating combined		88,168	30,202											
Masonry														913
Plastering and lathing														600
Roofing and sheet-metal work		4,132												
Roofing		4,132												
Marble and tiling		5,799		20,410										
Foundation														75,000
WILMINGTON	7,490	1,649,413	365,491	175,727	2,400	14,911	19,280	23	110,226				328	96,668
Operative builders	2,142	8,000	10,898	790										
General contractors	5,348	46	4,237	8,926	2,400	14,411	9,280	23	110,226				328	21,068
Building	5,348	46	8,000	5,508	2,400	8,057	39		20,883				328	10,699
Building not specialized	3,452	46	4,028	4,028	2,400	8,057	39		20,883				328	10,699
Residential building only	1,896		3,000	1,480										
Highway						1,768	324		31,352					10,369
Street paving			1,237	3,418		4,596	8,917	23	57,991					
Subcontractors		1,041,367	350,361	166,011		500	10,000							75,600
Electrical				145,601										
Heating and plumbing		1,031,436	350,361											
Heating and piping		1,499,909	79,930			500	10,000							
Plumbing		95,368	240,229			500	3,000							
Plumbing and heating combined		88,168	30,202											
Plastering and lathing														600
Roofing and sheet-metal work		4,132												
Roofing		4,132												
Marble and tiling		5,799		20,410										
Foundation														75,000

¹ See footnote 4, Table 9, page 314.

CONSTRUCTION—DELAWARE

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	DELAWARE 1930 population, 238,380								WILMINGTON 1930 population, 106,597			REMAINDER OF STATE 1930 population, 131,783		
	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 reporting companies	Amount		Number of reporting establishments	Amount
			Number	Per cent										
Total establishments canvassed (under \$25,000).....	200	17	103					137			56			
Total establishments, type of work unknown.....	7		7					5			2	1		
Total general and subcontractors classified.....	103	7	186	100.0				182			54			
Total general contractors classified.....	40	1	39	21.0	14	35.9	\$244,643	\$17,475	14	4	\$58,297	25	10	\$186,346
Building.....	35	1	34	18.3	13	38.2	229,643	17,665	13	4	58,297	21	9	171,346
Highway.....	3		3	1.6	1	38.3	15,000	15,000	1			3	1	15,000
Sewer, gas, water, conduit.....	1		1	.5										
Dam, reservoir, harbor.....	1		1	.5								1		
Total subcontractors classified.....	153	6	147	79.0	36	24.5	382,203	10,617	118	30	322,674	29	6	59,529
Carpentering.....	13	1	12	6.5	2	16.7	7,000	3,500	7			5	2	7,000
Concrete.....	3		3	1.6					1			2		
Electrical.....	18	2	16	8.6	4	25.0	42,644	10,661	11	4	42,644	5		
Heating, piping, ventilating.....	2		2	1.1								2		
Masonry.....	5	1	4	2.2	2	50.0	11,434	5,717	2	1	7,120	2	1	4,314
Painting, decorating.....	32	2	30	16.1	7	23.3	65,599	9,371	26	6	58,196	4	1	7,403
Pipe covering.....	2		2	1.1					2					
Plastering.....	7		7	3.8					6			1		
Plumbing, heating.....	36		36	19.4	14	38.0	173,904	12,422	32	12	133,092	4	2	40,812
Sheet metal, roofing.....	23		23	12.4	5	21.7	68,075	13,615	22	5	68,075	1		
Marble, tiling.....	3		3	1.6					3					
Ornamental iron, metal work.....	6		6	3.2	2	33.3	13,547	6,774	5	2	13,547	1		
Bridge, culvert.....	2		2	1.1								2		
Unclassified subcontractor.....	1		1	.5					1					

1 This table does not include the 7 inactive contractors, 5 of whom were in Wilmington and 2 in the balance of the State.

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
Total general and subcontractors.....	50	1	7	7	5	8	2	3	4	5	8
General contractors.....	14			1		3		2		2	6
Subcontractors.....	36	1	7	6	5	5	2	1	4	3	2