

KANSAS

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CONSTRUCTION—KANSAS

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
KANSAS													
All construction business.....	270	\$41,249,214	199	\$33,144,089	91	\$8,105,125	KANSAS—Continued Marble and tiling..... Wrecking..... Excavating..... Highway..... Bridge and culvert..... Grading..... Dam and reservoir..... Steel erection..... Miscellaneous..... WICHITA All construction business..... Distribution not reported..... Distributed by class of ownership..... Private..... Quasi public or community..... Public..... Distribution not reported..... Distributed by class of public ownership..... Federal..... State..... County or township..... Municipal..... All business under general contract or directly for owners..... Distribution not reported..... Distributed by class..... Building..... Distribution not reported..... Distributed by class..... Commercial..... Educational..... Hotel..... Hospital and institutional..... Manufacturing..... Public: Courts, jails, etc..... Religious and memorial..... Residential..... Social and recreational..... Air transport..... Rail and water transportation..... Miscellaneous..... Highway and street..... Railroad and car line..... Public works and utilities..... Distribution not reported..... Distributed by class..... Bridge, tunnel, etc..... Central station, light and power plant..... Park, grounds, etc..... Oil and natural-gas pipe line..... Flood control, irrigation, and land drainage..... Sewage disposal and drainage..... Water supply..... Air transport work..... Miscellaneous, n. e. s..... All business under subcontract..... Distribution not reported..... Distributed by class..... Concreting..... Masonry..... Electrical..... Heating and plumbing..... Heating and piping..... Pipe covering..... Plumbing..... Plumbing and heating combined..... Painting and decorating..... Glass and glazing..... Roofing and sheet-metal work..... Roofing..... Sheet-metal work..... Roofing and sheet metal combined.....	27	4,084,676	7	970,520	20	3,114,056
Distribution not reported.....	27	4,084,676	7	970,520	20	3,114,056							
Distributed by class of ownership.....	263	37,164,638	192	32,173,509	71	4,991,069							
Private.....	204	18,619,050	136	14,074,423	68	3,944,027							
Quasi public or community.....	62	1,937,846	32	1,623,051	20	314,795							
Public.....	131	16,607,742	102	15,876,095	29	731,647							
Distribution not reported.....	16	2,585,398	12	2,498,045	4	87,353							
Distributed by class of public ownership.....	115	14,022,344	90	13,378,050	25	644,294							
Federal.....	8	104,777	4	66,290	4	38,487							
State.....	45	5,735,670	41	5,016,648	4	118,922							
County or township.....	50	2,187,494	37	2,045,167	13	142,337							
Municipal.....	68	6,094,603	54	5,649,955	14	344,548							
All business under general contract or directly for owners.....	248	34,744,859	198	32,847,981	50	1,896,878							
Distribution not reported.....	7	1,090,609	4	1,002,032	3	88,577							
Distributed by class.....	241	33,654,250	194	31,845,949	47	1,808,301							
Building.....	167	17,970,019	129	16,265,437	38	1,704,582							
Distribution not reported.....	17	801,185	11	714,082	6	177,103							
Distributed by class.....	150	17,078,834	118	15,551,355	32	1,527,479							
Commercial.....	97	4,863,987	75	4,680,217	22	203,770							
Educational.....	43	2,090,394	29	1,948,787	14	141,607							
Hotel.....	16	1,239,569	11	1,143,462	5	96,107							
Hospital and institutional.....	27	1,353,511	17	1,194,340	10	159,171							
Manufacturing.....	12	1,020,712	10	(?)	2	(?)							
Public: Courts, jails, etc.....	21	860,284	13	822,130	8	85,154							
Religious and memorial.....	27	418,836	18	398,154	9	20,682							
Residential.....	108	3,681,974	78	2,986,642	30	698,332							
Social and recreational.....	14	345,774	10	332,939	4	12,835							
Air transport.....	10	338,898	8	(?)	2	(?)							
Rail and water transportation.....	9	335,316	5	240,394	4	94,922							
Miscellaneous.....	28	530,079	21	482,354	7	47,725							
Highway and street.....	57	9,610,503	57	9,610,503	0	0							
Railroad and car line.....	4	202,497	4	202,497	0	0							
Public works and utilities.....	38	5,751,161	35	5,647,442	3	103,719							
Distribution not reported.....	2	551,000	2	551,000	0	0							
Distributed by class.....	36	5,200,161	33	5,096,442	3	103,719							
Bridge, tunnel, etc.....	24	3,182,686	21	3,078,967	3	103,719							
Central station, light and power plant.....	1	1,236,557	1	1,236,557	0	0							
Park, grounds, etc.....	2	1,236,557	2	1,236,557	0	0							
Oil and natural-gas pipe line.....	2	1,236,557	2	1,236,557	0	0							
Flood control, irrigation, and land drainage.....	3	19,553	3	19,553	0	0							
Sewage disposal and drainage.....	9	474,571	9	474,571	0	0							
Water supply.....	4	286,794	4	286,794	0	0							
Air transport work.....	2	120,070	2	120,070	0	0							
Miscellaneous, n. e. s.....	6	120,070	6	120,070	0	0							
All business under subcontract.....	81	6,504,355	11	296,108	70	6,208,247							
Distribution not reported.....	4	870,251	4	370,251	0	0							
Distributed by class.....	77	6,134,104	11	296,108	66	5,837,996							
Concreting.....	6	519,416	2	140,294	4	379,122							
Masonry.....	2	732,154	2	732,154	0	0							
Electrical.....	13	1,736,798	13	1,736,798	0	0							
Heating and plumbing.....	19	323,985	19	323,985	0	0							
Heating and piping.....	3	856	3	856	0	0							
Pipe covering.....	22	675,905	22	675,905	0	0							
Plumbing.....	8	736,050	8	736,050	0	0							
Plumbing and heating combined.....	2	195,597	2	195,597	0	0							
Painting and decorating.....	1	544,443	1	544,443	0	0							
Glass and glazing.....	9	324,101	9	324,101	0	0							
Roofing and sheet-metal work.....	6	220,342	6	220,342	0	0							
Roofing.....	1	220,342	1	220,342	0	0							
Sheet-metal work.....	1	220,342	1	220,342	0	0							
Roofing and sheet metal combined.....	1	220,342	1	220,342	0	0							

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 1 establishment reporting central station, light and power plant, sewage disposal and drainage, and water supply; and 1 not reporting type of work.

TABLE 3.—CONSTRUCTION BUSINESS DURING 1920, BY LOCATION

CLASSIFICATION OF ESTABLISHMENTS	Estab- lish- ments report- ing	Total	In home city	In home State	Outside home State	CLASSIFICATION OF ESTABLISHMENTS	Estab- lish- ments report- ing	Total	In home city	In home State	Outside home State
KANSAS	280	\$30,040,575	\$17,957,261	\$29,754,585	\$0,292,040	KANSAS—Continued,					
Operative builders.....	5	553,100	435,100	553,100	-----	Marble and tiling.....	6	\$387,991	\$304,047	\$309,991	\$18,000
General contractors.....	185	29,219,492	12,347,548	23,053,225	6,109,267	Other classes ²	3	144,458	57,000	144,458	-----
Building.....	117	15,005,829	9,008,718	13,143,339	2,468,490	WICHITA	85	12,330,813	5,963,417	10,119,442	2,220,371
Building not specialized.....	97	14,141,907	8,900,496	11,820,345	2,312,562	Operative builders.....	3	311,000	311,000	311,000	-----
Commercial building only.....	6	461,157	198,002	310,229	150,928	General contractors.....	44	8,934,233	5,850,619	6,733,540	2,200,093
Residential building only.....	14	1,003,765	890,615	1,003,765	-----	Building.....	39	7,574,073	5,303,059	5,774,960	1,769,093
Highway.....	24	5,277,134	599,068	4,078,362	1,108,772	Building not specialized.....	29	6,730,362	4,562,898	4,030,009	1,700,093
Bridge and culvert.....	11	1,550,685	48,740	915,043	634,742	Residential building only.....	10	844,311	740,161	844,311	-----
Grading.....	6	656,826	10,000	602,050	54,770	Other classes ³	5	1,350,500	553,500	553,500	401,000
Street paving.....	21	4,147,615	1,506,027	3,082,457	1,065,158	Subcontractors.....	38	3,001,580	2,785,708	3,071,902	10,678
Sewer, gas, water, conduit.....	3	364,735	25,000	241,062	123,673	Electrical.....	5	553,877	542,232	553,877	-----
Other classes ¹	3	1,616,668	70,000	900,000	626,662	Heating and plumbing.....	18	1,245,377	1,150,415	1,245,377	-----
Subcontractors.....	90	6,278,977	5,174,607	6,148,204	125,773	Plumbing.....	12	703,720	688,745	703,720	-----
Concreting.....	5	485,728	403,719	485,597	131	Plumbing and heating combined.....	6	541,657	470,670	541,657	-----
Electrical.....	14	985,051	845,929	900,531	18,520	Roofing and sheet-metal work.....	7	543,804	418,116	542,186	1,678
Heating and plumbing.....	45	3,100,969	2,630,131	3,073,525	87,444	Roofing.....	4	220,771	187,211	220,771	-----
Heating and piping.....	8	632,121	370,533	554,177	77,944	Sheet-metal work.....	3	317,093	280,905	315,415	1,678
Plumbing.....	27	1,557,720	1,434,245	1,548,220	9,500	Marble and tiling.....	4	323,422	265,995	305,422	18,000
Plumbing and heating combined.....	10	971,128	825,353	971,128	-----	Other classes ⁴	4	425,040	400,040	425,040	-----
Painting, decorating, and glazing.....	3	195,597	170,597	195,597	-----						
Roofing and sheet-metal work.....	14	914,183	703,184	912,505	1,678						
Roofing.....	10	517,090	452,279	517,090	-----						
Sheet-metal work.....	4	397,093	310,905	395,415	1,678						

¹ Includes central station, light and power plant; and oil and natural-gas pipe line.
² Includes excavating; and bridge and culvert.
³ Includes street paving; sewer, gas, water, conduit; and central station, light and power plant.
⁴ Includes concreting; painting and decorating; and glass and glazing.

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
KANSAS				KANSAS—Continued			
Total distributed by State ¹	\$6,292,040	\$6,166,267	\$125,773	WICHITA			
Alabama.....	120,000	120,000	-----	Total distributed by State ²	\$2,220,371	\$2,200,093	\$19,678
Arkansas.....	705,590	705,097	523	Arkansas.....	125,000	125,000	-----
Colorado.....	67,138	67,138	-----	Indiana.....	76,000	76,000	-----
Florida.....	648	-----	648	Louisiana.....	159,500	159,500	-----
Illinois.....	422,948	418,948	4,000	Mississippi.....	200,000	200,000	-----
Indiana.....	76,000	76,000	-----	Missouri.....	139,793	139,793	-----
Louisiana.....	159,500	159,500	-----	Oklahoma.....	1,161,928	1,143,928	18,000
Mississippi.....	200,000	200,000	-----	Texas.....	356,472	356,472	-----
Missouri.....	1,559,455	1,555,563	3,892	Other States, n. s.	1,678	-----	1,678
Nebraska.....	215,808	215,588	278				
New Mexico.....	2,600	-----	2,600				
Oklahoma.....	1,637,088	1,553,785	83,303				
Texas.....	1,005,533	1,006,682	28,851				
Other States, n. s.	20,674	27,996	1,678				

¹ Number of establishments reporting: All classes, 43; general contractors, 34; subcontractors, 9.
² Number of establishments reporting: All classes, 8; general contractors, 5; subcontractors, 3.

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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	
KANSAS	283	210	132	\$488, 623	673	\$1, 519, 638	290	\$711, 864	363	\$806, 774	537	466	71	136
Operative builders.....	5	2			20	39, 751	15	27, 360	5	12, 382	13	10	3	7
General contractors.....	189	160	68	288, 155	496	1, 173, 802	173	604, 223	323	669, 570	384	346	38	112
Building.....	117	112	25	69, 820	196	393, 568	77	188, 183	119	205, 385	191	171	20	5
Building not specialized.....	98	95	14	40, 921	181	377, 265	75	185, 211	106	192, 054	176	157	19	5
Commercial building only.....	6	5	4	10, 568	7	6, 865	1	2, 000	6	4, 865	7	7		
Residential building only.....	13	12	7	18, 331	8	9, 438	1	972	7	8, 466	8	7	1	
Highway.....	20	10	16	133, 735	98	196, 554	38	73, 481	60	123, 073	72	63	9	26
Bridge and culvert.....	12	0	5	14, 360	61	182, 804	28	95, 308	33	87, 496	21	19	2	40
Grading.....	7	3	9	25, 450	13	21, 780	1	1, 040	12	20, 750	13	12	1	
Street paving.....	19	19	10	35, 800	64	145, 427	10	35, 286	48	110, 141	64	60	4	
Sewer, gas, water, conduit.....	3	1	3	9, 000	15	32, 570	2	8, 600	13	23, 970	15	15		
Other classes ¹	5	3			40	201, 089	11	102, 325	38	98, 764	8	6	2	41
Subcontractors.....	89	42	64	200, 468	157	305, 085	102	180, 272	55	124, 813	140	110	30	17
Concreting.....	5	3	4	10, 500	12	22, 517	4	9, 050	8	13, 467	12	11	1	
Electrical.....	14	8	4	11, 360	34	53, 628	21	31, 463	13	22, 165	33	24	9	1
Heating and plumbing.....	45	20	39	114, 005	58	115, 149	45	81, 246	13	33, 603	47	35	12	11
Heating and piping.....	8	4	8	23, 140	8	20, 392	6	16, 408	2	3, 984	8	8		
Plumbing.....	27	16	19	43, 334	28	38, 475	22	24, 459	6	14, 016	20	15	5	8
Plumbing and heating combined.....	10		12	47, 531	22	56, 262	17	40, 379	5	15, 903	19	12	7	3
Painting, decorating, and glazing.....	3	2			5	12, 000	4	10, 000	1	2, 000	5	4	1	
Roofing and sheet-metal work.....	13	5	13	48, 011	16	20, 865	10	13, 585	6	10, 270	12	7	5	4
Roofing.....	9	5	5	12, 914	9	14, 952	7	10, 152	2	4, 800	7	4	3	2
Sheet-metal work.....	4		8	35, 097	7	14, 903	3	3, 433	4	11, 470	5	3	2	2
Marble and tiling.....	5	2	3	14, 467	15	23, 428	12	17, 228	3	6, 200	14	12	2	1
Other classes ²	4	2	1	2, 125	17	48, 508	6	17, 700	11	30, 808	17	17		
WICHITA	84	56	33	104, 988	203	439, 456	118	267, 180	85	182, 276	193	158	35	10
Operative builders.....	3	1			12	10, 969	11	17, 869	1	2, 100	12	9	3	
General contractors.....	44	41	11	31, 011	109	258, 851	50	131, 097	59	127, 754	104	91	13	5
Building.....	39	36	8	22, 011	87	200, 632	46	121, 497	41	79, 135	87	74	13	
Building not specialized.....	29	25	3	11, 400	79	101, 194	45	120, 525	34	70, 669	79	67	12	
Residential building only.....	10	11	5	10, 611	8	9, 438	1	972	7	8, 466	8	7	1	
Other classes ³	5	5	3	9, 000	22	58, 219	4	9, 600	18	48, 619	17	17		5
Subcontractors.....	37	14	22	73, 977	82	160, 636	57	108, 214	25	52, 422	77	58	19	5
Electrical.....	5	3	3	7, 760	23	35, 060	14	20, 447	9	14, 613	23	18	5	
Heating and plumbing.....	18	9	9	25, 840	31	69, 157	22	47, 638	9	21, 519	28	20	8	3
Plumbing.....	12	8	5	13, 600	14	16, 231	11	12, 116	3	4, 116	14	9	5	
Plumbing and heating combined.....	6	1	4	12, 240	17	52, 926	11	35, 523	6	17, 403	14	11	3	3
Roofing and sheet-metal work.....	7	3	9	35, 977	6	11, 289	4	5, 539	2	5, 750	4	2	2	2
Roofing.....	4	3	3	5, 040	2	3, 042	2	3, 042			2	1	1	
Sheet-metal work.....	3		6	30, 937	4	8, 247	2	2, 497	2	5, 750	2	1	1	2
Marble and tiling.....	3		1	4, 400	12	21, 740	9	15, 540	3	6, 200	12	10	2	
Other classes ⁴	4	2			10	23, 390	8	19, 050	2	4, 340	10	8	2	

¹ Includes waterworks; central station, light and power plant; and oil and natural-gas pipe line.

² Includes steel erection; excavating; and bridge and culvert.

³ Includes street paving; sewer, gas, water, conduit; and central station, light and power plant.

⁴ Includes concreting; painting and decorating; and glass and glazing.

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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		
KANSAS	259	\$841,724	\$3,789,599	\$38,375,939	\$8,588,009	WICHITA	77	\$111,348	\$536,037	\$11,879,680	\$2,291,441
<i>Classification of establishments</i>						<i>Classification of establishments</i>					
Operative builders	5	6,000	32,000	553,106	72,021	Operative builders	3			311,000	20,000
General contractors	175	775,011	3,419,504	30,544,606	7,086,129	General contractors	41	91,380	420,068	8,670,425	1,686,877
Building	107	134,245	519,753	15,098,381	3,262,690	Building	36	55,780	170,824	7,310,865	1,391,786
Building not specialized	90	129,016	491,907	13,745,690	2,980,739	Building not specialized	26	54,455	157,689	6,469,584	1,234,088
Commercial building only	5	3,660	11,511	421,407	107,366	Residential building only	10	1,325	13,135	844,311	157,678
Residential building only	12	1,509	16,335	931,305	174,585	Other classes ⁴	5	35,600	249,244	1,360,560	295,111
Highway	25	252,083	906,246	5,390,614	1,173,219	Subcontractors	33	19,909	115,969	2,098,255	584,504
Bridge and culvert	10	68,688	504,405	2,955,509	668,443	Electrical	5	1,700	6,717	563,877	115,943
Grading	5	29,450	82,119	557,722	230,114	Heating and plumbing	16	12,230	44,558	1,098,485	221,638
Street paving	20	104,164	1,057,569	3,922,615	749,365	Plumbing	12	6,485	28,940	703,720	159,067
Sewer, gas, water, conduit	3	21,904	80,332	394,735	95,318	Plumbing and heating combined	4	5,745	15,618	394,765	62,571
Other classes ¹	5	164,411	209,080	2,255,090	597,980	Roofing and sheet-metal work	0	4,389	31,582	407,772	76,972
Subcontractors	79	60,713	338,095	7,278,167	1,429,859	Marble and tiling	3	1,160	5,797	241,509	67,334
Concreting	5	9,022	42,186	485,728	121,562	Other classes ²	3	500	27,315	390,612	102,677
Electrical	12	4,848	17,592	901,125	206,440	<i>Percentage of equipment owned</i> ³					
Heating and plumbing	40	23,855	123,334	2,793,370	593,227	General contractors ³	44	91,380	420,068	8,081,425	1,706,877
Heating and piping	7	4,850	20,280	532,347	109,045	None	5			416,038	40,159
Plumbing	26	13,709	65,145	1,487,720	328,841	1% to 25%	2		2,900	152,500	44,340
Plumbing and heating combined	7	5,200	37,909	773,303	155,341	51% to 75%	1	1,500	8,000	43,903	20,000
Roofing and sheet-metal work	11	0,129	43,279	649,091	117,622	76% to 99%	3	5,050	120,644	514,483	153,271
Marble and tiling	5	1,950	11,061	306,078	75,064	100%	33	84,230	288,624	7,894,441	1,449,107
Other classes ²	6	14,309	100,643	2,142,775	315,344	Subcontractors	33	19,909	115,969	2,098,255	584,504
<i>Percentage of equipment owned</i>						None	1			178,253	52,027
General contractors ³	180	781,011	3,451,504	31,097,772	7,158,150	51% to 75%	3	2,545	12,238	228,541	56,564
None	3			599,029	85,877	76% to 99%	1	1,500	4,000	100,000	12,340
1% to 25%	8		2,950	209,162	58,909	100%	26	15,474	97,931	2,122,292	435,465
26% to 50%	3					Not reported	2	460	1,800	60,169	28,168
51% to 75%	2	1,600	13,000	94,525	32,882						
76% to 99%	21	116,658	895,789	3,208,336	817,465						
100%	144	661,673	2,533,581	26,880,203	6,183,493						
Not reported	2	1,080	6,184	109,517	20,524						
Subcontractors	79	60,713	338,095	7,278,167	1,429,859						
None	1			178,253	52,027						
1% to 25%											
26% to 50%											
51% to 75%	3	2,545	12,238	228,541	56,564						
76% to 99%	5	3,815	17,313	274,654	68,025						
100%	67	53,903	303,664	6,404,883	1,206,094						
Not reported	3	450	4,880	131,830	47,149						

¹ Includes waterworks; central station, light and power plant; and oil and natural-gas pipe line.
² Includes painting and decorating; glass and glazing; steel erection; excavating; and bridge and culvert.
³ Includes operative builders.
⁴ Includes street paving; sewer, gas, water, conduit; and central station, light and power plant.
⁵ Includes concreting; painting and decorating; and glass and glazing.
⁶ For complete classification see tabulation for State above.

CONSTRUCTION—KANSAS

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 during year
		January	February	March	April	May	June	July	August	September	October	November	December	
KANSAS	256	3,220	3,514	5,280	6,650	7,710	8,086	8,047	8,563	8,311	8,041	6,423	4,735	88,326,439
<i>Classification of establishments</i>														
Operative builders	3	5	10	10	28	41	74	92	130	77	65	50	10	72,021
General contractors	165	2,476	2,743	4,305	5,643	6,618	6,899	6,793	7,170	6,938	6,822	5,335	3,766	6,673,128
Building	105	1,219	1,355	2,389	3,006	3,214	3,301	3,176	3,067	2,398	2,443	2,024	1,800	3,276,573
Building not specialized	87	1,119	1,250	2,218	2,782	2,957	2,955	2,873	2,801	2,171	2,223	1,865	1,717	2,985,330
Commercial building only	5	28	24	61	103	120	193	140	130	76	73	51	23	107,366
Residential building only	13	72	81	110	121	137	153	163	136	151	142	108	55	183,868
Highway	20	286	309	481	902	1,199	1,284	1,283	1,440	1,509	1,419	1,022	495	1,047,416
Bridge and culvert	11	615	713	800	743	787	834	904	963	827	746	691	627	992,041
Grading	4	34	22	62	89	108	172	189	219	242	209	206	111	128,998
Street paving	13	103	183	380	631	880	923	904	1,021	975	854	468	274	653,554
Sewer, gas, water, conduit	3	4	20	61	81	75	75	85	118	124	110	85	50	95,318
Other classes ¹	4	125	135	132	191	355	310	252	342	913	1,041	839	409	479,228
Subcontractors	88	739	761	915	979	1,051	1,113	1,162	1,247	1,246	1,154	1,038	959	1,581,200
Concreting	5	34	53	92	124	136	171	176	152	138	136	102	84	121,562
Electrical	14	125	125	130	143	145	154	161	168	158	161	140	127	240,579
Heating and plumbing	44	332	329	353	399	409	435	410	446	463	451	416	394	655,184
Heating and piping	8	66	68	70	75	84	92	93	90	103	85	87	89	120,393
Plumbing	27	172	174	195	215	216	241	227	256	255	250	224	204	342,710
Plumbing and heating combined	9	94	87	88	109	109	102	90	100	105	116	105	101	183,171
Roofing and sheet-metal work	14	84	85	102	104	124	139	150	145	145	132	121	102	189,004
Roofing	10	47	51	60	60	72	81	91	93	84	69	61	53	93,055
Sheet-metal work	4	37	34	42	35	52	58	59	52	61	63	60	49	96,009
Marble and tiling	6	29	30	31	37	59	67	82	74	59	50	45	39	86,792
Other classes ²	5	177	134	207	172	175	147	183	242	283	224	214	213	287,809
<i>Length of working week</i>														
General contractors ³	168	2,481	2,753	4,315	5,671	6,559	6,973	6,885	7,306	7,005	6,887	5,385	3,776	6,745,149
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	28	493	554	1,005	1,205	1,225	1,225	1,382	1,403	925	915	835	689	1,313,580
49½-hour, 5½-day week														
55-hour, 5½-day week														
All other 5½-day week														
48-hour, 6-day week	102	1,168	1,220	2,028	2,742	3,288	3,580	3,537	3,035	3,454	3,307	2,385	1,778	5,255,908
54-hour, 6-day week	14	535	629	704	852	884	929	853	859	784	744	622	487	907,004
60-hour, 6-day week	15	231	239	355	575	980	870	591	1,125	1,037	1,685	1,436	714	1,017,875
All other 6-day week	4	37	42	71	100	106	101	106	135	136	101	66	70	131,881
All other not designated	2	8	58	75	87	135	135	80	99	60	10	2	38	80,535
Not reported	3	9	11	17	20	31	33	30	70	75	56	39	38	35,311
Subcontractors	88	739	761	915	979	1,051	1,113	1,162	1,247	1,246	1,154	1,038	959	1,581,200
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	33	367	372	434	427	468	474	517	631	599	509	472	428	775,372
49½-hour, 5½-day week														
55-hour, 5½-day week														
All other 5½-day week														
48-hour, 6-day week	42	300	313	364	420	438	472	479	448	487	501	442	433	634,647
54-hour, 6-day week	3	10	10	10	10	13	18	14	14	19	17	13	11	20,657
60-hour, 6-day week	5	30	33	72	78	97	101	105	107	101	91	78	40	78,928
All other 6-day week	1	4	4	4	4	4	10	10	10	4	4	4	4	13,000
All other not designated	2	20	19	22	31	26	24	24	25	25	20	19	22	36,779
Not reported	2	8	10	9	9	10	14	13	12	11	12	10	12	21,907
WICHITA														
<i>Classification of establishments</i>	77	811	914	1,553	2,065	2,031	2,070	1,887	1,816	1,502	1,599	1,312	1,080	2,265,698
General contractors ³	40	492	595	1,194	1,628	1,568	1,552	1,356	1,311	1,01	1,110	909	687	1,614,486
Building	37	464	545	1,122	1,470	1,437	1,389	1,152	1,086	789	883	815	650	1,434,536
Building not specialized ⁴	27	411	483	1,035	1,373	1,323	1,259	1,011	972	658	764	729	609	1,276,858
Residential building only	10	53	62	87	97	114	130	141	114	131	119	86	41	157,678
Other classes ⁵	3	28	50	72	158	131	163	204	225	227	227	91	37	179,950
Subcontractors	37	319	319	359	437	463	518	531	505	486	489	406	393	654,212
Electrical	5	60	60	60	75	74	82	83	80	83	85	77	68	115,943
Heating and plumbing	18	131	125	149	182	177	173	169	183	193	203	153	162	249,468
Plumbing	12	70	77	98	111	106	120	113	127	120	119	100	97	159,067
Plumbing and heating combined	6	55	48	51	71	71	59	56	56	73	84	53	65	90,401
Roofing and sheet-metal work	7	51	56	57	60	69	75	81	87	81	77	77	70	115,197
Roofing	4	25	29	30	33	33	37	44	44	34	26	28	29	43,705
Sheet-metal work	3	26	27	27	27	36	38	37	43	47	51	49	41	71,492
Marble and tiling	4	28	28	29	33	54	61	75	68	53	43	38	32	78,462
Other classes ⁶	3	49	60	64	87	89	127	123	87	76	81	61	61	95,142
<i>Length of working week</i>														
General contractors ³	40	492	595	1,194	1,628	1,568	1,552	1,356	1,311	1,016	1,110	906	687	1,614,486
44-hour, 5½-day week	11	294	338	732	910	764	664	688	667	438	477	504	442	757,678
48-hour, 6-day week	27	151	215	407	633	669	745	579	572	487	526	360	226	742,456
54-hour, 6-day week	2	47	55	85	85	135	143	89	72	91	107	42	19	114,352
Subcontractors	37	319	319	359	437	463	518	531	505	486	489	406	393	654,212
44-hour, 5½-day week	21	180	176	185	213	238	247	259	274	271	279	234	222	377,762
48-hour, 6-day week	12	110	116	141	181	188	228	231	189	179	182	144	142	219,062
60-hour, 6-day week	1	5	4	4	8	7	9	7	7	7	4	5	3	7,609
All other 6-day week	1	4	4	4	4	4	10	10	4	4	4	4	4	13,000
All other not designated	2	20	19	22	31	26	24	24	25	25	20	19	22	36,779

¹ Includes waterworks; central station, light and power plant; and oil and natural gas-pipe line.² Includes painting and decorating; glass and glazing; steel erection; excavating; and bridge and culvert.³ Includes operative builders.⁴ Includes street paving; sewer, gas, water, conduit; and central station, light and power plant.⁵ Includes concreting; painting and decorating; and glass and glazing.⁶ For complete classification see tabulation for State above.

CONSTRUCTION—KANSAS

TABLE 8.—EXPENDITURES OF REPORTING ESTABLISHMENTS: 1929

CLASSIFICATION OF ESTABLISHMENTS	Estab-lish-ments re-ported	Value of construction busi-ness re-ported	PRINCIPAL ITEMS OF EXPENDI-TURE			OTHER ITEMS OF EXPENDITURE							
			Subcon-tract work let	Wages paid	Cost of materials	Salaries		Rent for		Interest	Con-tract bond pre-miums	Compen-sation and liability insur-ance pre-miums	All other overhead expenses
						Proprietors and firm members	Employ-ees	Equip-ment	Offices, etc.				
KANSAS	229	\$31,337,304	\$4,468,000	\$6,633,189	\$13,468,538	\$307,502	\$1,168,475	\$44,263	\$87,289	\$170,301	\$192,788	\$251,887	\$1,633,501
Operative builders.....	5	553,106	278,000	72,021	122,583	-----	39,751	-----	3,600	23,733	-----	2,800	0,866
General contractors.....	144	23,380,356	4,048,000	5,314,577	9,110,114	138,744	834,815	39,028	32,368	120,486	180,722	193,788	1,455,820
Building.....	98	13,627,086	3,136,000	2,998,060	5,469,787	50,359	355,254	4,155	21,018	37,807	73,275	105,644	351,368
Building not specialized.....	83	12,351,984	2,800,000	2,724,294	4,042,168	26,971	341,551	3,943	19,692	29,739	72,247	99,586	300,966
Commercial building only.....	5	421,467	28,000	107,366	215,622	10,568	6,865	157	300	1,173	228	3,266	19,368
Residential building only.....	10	854,305	218,000	166,400	311,997	12,820	6,838	55	1,926	6,895	800	2,762	25,034
Highway.....	14	2,517,908	256,000	540,924	1,047,200	36,035	117,878	7,339	3,018	17,850	31,119	24,134	268,090
Bridge and culvert.....	7	1,347,185	78,000	389,778	548,411	12,400	36,000	625	1,000	5,419	16,130	24,596	62,800
Grading.....	4	601,815	227,000	270,916	-----	19,150	15,700	-----	-----	7,035	10,668	4,683	67,863
Street paving.....	16	3,270,422	190,000	550,842	1,644,042	20,800	105,998	26,009	5,638	47,004	35,675	24,855	271,603
Other classes ¹	5	1,916,330	161,000	504,048	400,074	-----	203,895	900	794	5,362	13,955	9,877	434,006
Subcontractors.....	80	7,403,842	142,000	1,446,591	4,220,841	168,758	291,909	5,235	51,301	26,082	12,066	55,299	467,815
Concreting.....	5	485,728	-----	121,562	251,844	10,500	22,517	-----	1,382	3,462	2,137	3,322	35,966
Electrical.....	9	734,865	-----	166,926	367,859	7,760	42,890	25	11,185	2,343	1,288	2,663	49,764
Heating and plumbing.....	44	3,110,036	16,000	655,184	1,744,224	109,005	123,049	2,327	27,460	14,714	6,168	11,068	196,149
Heating and piping.....	8	632,121	6,000	129,303	355,315	23,140	20,392	52	4,836	4,190	1,567	2,586	37,465
Plumbing.....	27	1,557,720	10,000	342,710	829,918	43,334	46,375	1,925	14,725	7,057	1,465	5,290	96,365
Plumbing and heating combined.....	9	926,195	-----	183,171	558,991	42,531	56,282	350	7,965	3,467	3,136	3,192	62,319
Painting, decorating and glazing.....	3	106,697	-----	63,687	85,218	-----	12,000	-----	800	408	-----	4,088	3,818
Roofing and sheet-metal work.....	11	585,104	1,000	109,534	283,426	24,001	26,263	-----	5,110	3,572	642	5,284	78,463
Marble and tiling.....	5	350,816	-----	83,215	154,285	14,467	22,040	-----	5,208	1,243	-----	1,069	37,278
Other classes ²	3	1,035,606	125,000	246,483	1,333,985	2,125	43,150	2,883	200	350	1,931	27,825	66,377
WICHITA	74	10,564,818	1,912,000	2,077,156	4,539,168	69,967	372,520	3,020	43,508	29,595	42,704	72,193	425,479
Operative builders.....	3	311,000	231,000	20,000	58,400	-----	19,969	-----	1,800	-----	-----	-----	-----
General contractors ³	36	7,401,227	1,080,000	1,400,113	3,071,671	19,100	106,942	2,280	13,640	19,851	38,520	57,467	206,070
Subcontractors.....	35	2,762,591	1,000	597,043	1,409,097	50,867	155,609	740	28,008	9,744	4,184	14,726	219,409
Electrical.....	5	553,877	-----	115,943	277,484	7,760	35,080	-----	7,700	1,250	420	1,955	43,804
Plumbing and heating.....	18	1,245,377	-----	249,468	683,960	25,840	71,657	740	11,402	4,570	3,047	4,166	81,090
Plumbing.....	12	708,370	-----	159,067	380,216	13,000	18,731	720	6,863	3,720	360	2,935	41,597
Plumbing and heating combined.....	6	541,057	-----	90,401	308,744	12,240	52,926	20	4,549	850	2,687	1,171	39,493
Roofing and sheet-metal work.....	4	214,875	1,000	35,667	88,964	12,867	3,762	-----	2,190	25	217	2,460	38,217
Marble and tiling.....	4	323,422	-----	78,402	139,775	4,400	21,740	-----	4,770	1,205	-----	975	36,438
Other classes ⁴	4	425,040	-----	117,503	213,914	-----	23,390	-----	2,000	2,693	500	5,230	20,368

¹ Includes sewer, gas, water, conduit; central station, light and power plant; and oil and natural-gas pipe line.
² Includes steel erection; excavating; and bridge and culvert.
³ Includes building not specialized; residential building only; and street paving.
⁴ Includes concreting; painting and decorating; and glass and glazing.

CONSTRUCTION—KANSAS

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 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		
KANSAS						WICHITA					
All kinds of material.....	\$17,274,007		\$491.52	\$12,711,326	\$4,562,681	All kinds of material.....	\$5,373,619		\$518.72	\$3,788,087	\$1,590,532
Distribution not reported.....	5,308,311	30.7		4,587,420	720,891	Distribution not reported.....	1,203,880	24.1		1,036,835	257,045
Distributed by kind.....	11,965,696	100.0		8,123,906	3,841,790	Distributed by kind.....	4,084,739	100.0		2,751,252	1,333,487
Sand, gravel, stone, slag, cinders, etc.....	1,712,337	14.3	70.34	1,627,337	85,000	Sand, gravel, stone, slag, cinders, etc.....	283,018	6.9	35.94	242,500	40,518
Brick (face, common, fire, paving, etc.).....	664,140	5.6	27.28	664,140		Brick (face, common, fire, paving, etc.).....	201,784	7.1	37.05	291,784	
Tile (fireproofing).....	67,903	.6	2.79	51,903	16,000	Tile (fireproofing).....	21,889	.5	2.78	21,889	
Tile, facing, terra cotta, floor, and wall.....	217,308	1.8	8.93	87,324	129,982	Tile, facing, terra cotta, floor, and wall.....	160,634	3.9	20.40	64,316	96,318
Concrete and cinder block.....	33,282	.3	1.37	32,877	405	Concrete and cinder block.....	4,654	.1	.59	4,654	
Cut stone, granite and marble.....	350,456	2.9	14.40	312,456	38,000	Cut stone, granite and marble.....	174,316	4.3	22.13	136,316	38,000
Riprap, rubble, etc.....	5,835	(⁴)	.24	5,835		Cement.....	434,171	10.6	55.13	342,554	91,617
Cement.....	1,626,461	13.6	66.81	1,482,338	144,123	Lime.....	13,466	.3	1.71	12,826	640
Lime.....	32,642	.3	1.34	31,336	806	Plaster, etc.....	24,861	.6	3.16	24,861	178
Plaster, etc.....	69,717	.6	2.87	69,539	178	Structural steel.....	247,549	6.1	31.43	247,549	
Structural steel.....	1,709,644	14.3	70.23	428,283	1,281,361	Reinforcing steel.....	113,815	2.8	14.46	113,815	
Reinforcing steel.....	513,601	4.3	21.10	468,263	45,338	Cast iron, miscellaneous, excluding pipe.....	28,466	.7	3.62	28,466	
Cast iron, miscellaneous, excluding pipe.....	35,334	.3	1.45	35,034	300	Metal doors, windows, and trim.....	43,792	1.1	5.56	43,792	
Metal doors, windows, and trim.....	116,708	1.0	4.80	107,408	9,300	Metal and wire lath and furring.....	4,885	.1	.62	4,885	
Metal and wire lath and furring.....	29,640	.2	1.22	29,198	442	Ornamental metal work.....	15,859	.4	2.01	15,859	
Ornamental metal work.....	35,779	.3	1.47	27,779	8,000	Lumber, rough and finished.....	288,801	7.1	36.67	288,801	
Lumber, rough and finished.....	766,253	6.4	31.48	757,898	8,355	Lath, shingles, and shakes (wood).....	11,715	.3	1.49	11,715	
Lath, shingles, and shakes (wood).....	34,979	.3	1.44	34,979		Millwork.....	159,193	3.9	20.21	159,193	
Millwork.....	385,163	3.2	15.82	385,163		Composition board.....	25,951	.6	3.29	14,811	11,140
Composition board.....	49,795	.4	2.04	37,725	12,070	Waterproofing materials.....	12,235	.3	1.56	8,241	3,994
Waterproofing materials.....	33,975	.3	1.40	17,781	16,194	Hardware, rough and finished.....	41,793	1.0	5.31	41,793	
Hardware, rough and finished.....	144,728	1.2	5.95	140,582	4,146	Paints, varnishes, glass.....	112,946	2.8	14.34	27,728	85,218
Paints, varnishes, glass.....	163,843	1.4	6.73	75,767	88,076	Roofing and sheet metal.....	219,339	5.4	27.86	17,874	201,465
Roofing and sheet metal.....	398,688	3.3	16.38	97,421	301,267	Finished flooring (other than cement, wood, or tile).....	35,007	.9	4.45	35,007	
Finished flooring (other than cement, wood, or tile).....	74,907	.6	3.08	74,907		Screens, shades, awnings, etc.....	4,943	.1	.63	4,943	
Screens, shades, awnings, etc.....	9,609	.1	.39	9,609		Heating and ventilating equipment.....	157,514	3.9	20.00	41,749	115,765
Heating and ventilating equipment.....	473,137	4.0	19.43	62,046	411,091	Plumbing and gas-fitting equipment.....	383,045	9.4	48.64	22,835	360,210
Plumbing and gas-fitting equipment.....	800,359	6.7	32.88	63,736	736,623	Electrical appliances and supplies.....	297,287	7.3	37.75	19,803	277,484
Electrical appliances and supplies.....	498,630	4.2	20.48	42,606	456,024	Elevators, dumb-waiters, and equipment.....	2,037	(⁴)	.26	1,500	537
Elevators, dumb-waiters, and equipment.....	18,071	.2	.74	17,534	537	Pipe: Drain tile, vitrified, concrete, segment tile, corrugated.....	24,470	.6	3.11	10,070	5,400
Pipe: Drain tile, vitrified, concrete, segment tile, corrugated.....	164,603	1.4	6.76	142,803	21,800	Pipe: Cast-iron, sheet and tube steel, etc.....	157,574	3.9	20.01	152,574	5,000
Pipe: Cast-iron, sheet and tube steel, etc.....	210,358	1.8	8.80	194,318	22,040	Bituminous paving materials, tar, asphalt, and oil.....	60,598	1.5	7.70	60,598	
Wire cable, guards and fencing.....	15,349	.1	.63	11,158	4,191	Ready mixed concrete.....	51,177	1.3	6.50	51,177	
Bituminous paving materials, tar, asphalt, and oil.....	171,279	1.4	7.03	171,279		Machinery.....	72,889	1.8	9.28	72,889	
Wood piling and timber.....	608	(⁴)	.02	608		Metal products, n. e. s. (including metal furniture).....	13,785	.3	1.76	13,785	
Ready mixed concrete.....	51,177	.4	2.10	51,177		Miscellaneous.....	89,281	2.2	11.34	89,281	
Machinery.....	109,049	.9	4.48	109,049							
Freight, hauling or trucking to job.....	1,000	(⁴)	.04	1,000							
Chemicals and chemical products.....	5,369	(⁴)	.22	5,369							
Metal products, n. e. s. (including metal furniture).....	14,168	.1	.58	14,168							
Miscellaneous.....	143,754	1.2	5.90	143,673	81						

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

CONSTRUCTION—KANSAS

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

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

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹		
	Cost of all materials distributed by kind	Amount	Per cent of—					Cost of all materials distributed	Cost of all materials distributed by kind	Amount	Per cent of—			Cost of all materials distributed	
			Total cost	Cost of all distributed materials							Total cost				Cost of all distributed materials
KANSAS—Continued						WICHITA									
<i>Roofing and sheet metal—Continued</i>						<i>Sand, gravel, stone, slag, cinders, etc.</i>									
Subcontractors—Continued.						All classes.....									
Roofing and sheet-metalwork.....	\$381,861	\$200,027	72.7	70.0	\$720,091	99.9	\$4,084,730	\$283,018	100.0	6.9	\$9,600,577	84.0			
Roofing.....	240,540	148,706	37.3	61.8	468,000	99.8	General contractors ³	2,751,252	242,500	85.7	8.8	6,995,474	78.7		
Sheet-metal work.....	18,477	18,477	4.6	100.0	89,000	100.0	Building.....	2,317,419	155,720	65.0	6.7	6,036,914	75.1		
Roofing and sheet metal combined.....	122,844	122,844	30.8	100.0	222,001	100.0	Building not specialized ³	2,197,132	152,350	53.8	6.9	5,620,464	75.3		
<i>Heating and ventilating equipment</i>						Residential building only.....									
All classes.....	11,965,696	473,137	100.0	4.0	26,954,133	85.2	Street paving.....	120,287	3,370	1.2	2.8	416,450	73.3		
General contractors ³	8,123,008	62,046	13.1	.8	920,268,413	82.0	Sewer, gas, water, conduit.....	380,697	80,000	28.3	21.0	808,560	100.0		
Building.....	4,510,980	61,415	13.0	1.4	11,318,543	76.1	Marble and tiling.....	139,775	6,780	2.4	12.8	150,000	100.0		
Building not specialized ³	4,187,356	57,515	12.2	1.4	10,502,348	75.6	<i>Brick (face, common, fire, paving, etc.)</i>								
Commercial building only.....	189,737	3,900	.8	2.1	367,745	93.9	All classes.....	7,408,730	291,784	100.0	7.1	9,600,577	84.0		
Street paving.....	1,592,794	631	.1	(c)	3,313,886	95.4	General contractors ³	2,751,252	291,784	100.0	10.6	6,995,474	78.7		
<i>Plumbing and gas fitting equipment</i>						Building.....									
All classes.....	11,965,696	800,869	100.0	6.7	26,954,133	85.2	Building not specialized ³	2,197,132	286,834	98.3	13.1	5,620,464	75.3		
General contractors ³	8,123,008	63,736	8.0	.8	920,268,413	82.0	Residential building only.....	120,287	4,300	1.5	3.0	416,450	73.3		
Building.....	4,510,980	55,896	6.9	1.2	11,318,543	76.1	<i>Tile, facing, terra cotta, floor, and wall</i>								
Building not specialized ³	4,187,356	55,020	6.9	1.3	10,502,348	75.6	All classes.....	4,084,730	160,634	100.0	3.0	9,600,577	84.0		
Commercial building only.....	189,737	376	(c)	.2	367,745	93.9	General contractors.....	2,692,852	64,316	40.0	2.4	6,909,474	80.6		
Street paving.....	1,592,794	130	(c)	(c)	3,313,886	95.4	Building.....	2,259,019	64,316	40.0	2.8	5,950,914	77.1		
Sewer, gas, water, conduit.....	138,794	8,201	1.0	5.9	364,735	100.0	Building not specialized.....	2,138,732	93,950	39.8	3.0	5,534,464	77.5		
<i>Electrical appliances and supplies</i>						Residential building only.....									
All classes.....	11,965,696	498,630	100.0	4.2	26,954,133	85.2	Street paving.....	120,287	300	.2	.3	416,450	73.3		
General contractors ³	8,123,008	42,606	8.5	.5	920,268,413	82.0	<i>Cut stone, granite and marble</i>								
Building.....	4,510,980	41,986	8.4	.9	11,318,543	76.1	All classes.....	4,084,730	174,316	100.0	4.3	9,600,577	84.0		
Building not specialized ³	4,187,356	36,537	7.3	.9	10,502,348	75.6	General contractors ³	2,751,252	136,316	78.2	5.0	6,995,474	78.7		
Commercial building only.....	189,737	5,449	1.1	2.9	367,745	93.9	Building.....	2,317,419	136,316	78.2	5.9	6,036,914	75.1		
Street paving.....	1,592,794	620	.1	(c)	3,313,886	95.4	Building not specialized ³	2,197,132	136,016	78.0	6.2	5,620,464	75.3		
<i>Pipe: Cast-iron, sheet, and tube steel, etc.</i>						Residential building only.....									
All classes.....	11,965,696	216,358	100.0	1.8	26,954,133	85.2	Street paving.....	120,287	300	.2	.2	416,450	73.3		
General contractors ³	8,123,008	194,318	39.8	2.4	920,268,413	82.0	<i>Cement²</i>								
Building.....	4,510,980	144,074	66.0	3.2	11,318,543	76.1	All classes.....	4,084,730	434,171	100.0	10.6	9,600,577	84.0		
Building not specialized ³	4,187,356	144,074	66.0	3.4	10,502,348	75.6	General contractors ³	2,751,252	342,554	78.9	12.5	6,995,474	78.7		
Highway.....	1,472,271	3,949	1.8	.3	4,199,304	76.0	Building.....	2,317,419	173,598	40.0	7.5	6,036,914	75.1		
Street paving.....	1,592,794	1,804	.6	.1	3,313,886	95.4	Building not specialized ³	2,197,132	163,878	37.7	7.5	5,620,464	75.3		
Sewer, gas, water, conduit.....	138,794	44,991	20.8	32.4	364,735	100.0	Residential building only.....	120,287	9,720	2.2	8.1	416,450	73.3		
<i>Subcontractors</i>						Street paving.....									
All classes.....	11,965,696	456,024	91.5	11.9	6,685,720	98.2	Sewer, gas, water, conduit.....	380,697	165,000	38.0	43.3	808,560	100.0		
General contractors ³	8,123,008	251,844	100	(c)	485,728	100.0	Marble and tiling.....	139,775	8,956	.9	7.4	150,000	100.0		
Building.....	4,510,980	144,074	66.0	3.2	11,318,543	76.1	<i>Subcontractors</i>								
Building not specialized ³	4,187,356	144,074	66.0	3.4	10,502,348	75.6	All classes.....	4,084,730	91,617	21.1	6.9	2,605,103	100.0		
Highway.....	1,472,271	3,949	1.8	.3	4,199,304	76.0	Concreteing.....	128,696	88,639	20.4	68.9	229,443	100.0		
Street paving.....	1,592,794	1,804	.6	.1	3,313,886	95.4	Marble and tiling.....	139,775	2,978	.7	2.1	323,422	100.0		
Sewer, gas, water, conduit.....	138,794	44,991	20.8	32.4	364,735	100.0	<i>Structural steel</i>								
<i>Subcontractors</i>						All classes.....									
All classes.....	11,965,696	216,358	100.0	1.8	26,954,133	85.2	General contractors ³	2,751,252	247,549	100.0	9.0	6,995,474	78.7		
General contractors ³	8,123,008	194,318	39.8	2.4	920,268,413	82.0	Building.....	2,317,419	244,349	98.7	10.5	6,036,914	75.1		
Building.....	4,510,980	144,074	66.0	3.2	11,318,543	76.1	Building not specialized ³	2,197,132	241,449	97.5	11.0	5,620,464	75.3		
Building not specialized ³	4,187,356	144,074	66.0	3.4	10,502,348	75.6	Residential building only.....	120,287	2,900	1.2	2.4	416,450	73.3		
Highway.....	1,472,271	3,949	1.8	.3	4,199,304	76.0	Street paving.....	380,697	3,200	1.3	.8	808,560	100.0		
Street paving.....	1,592,794	1,804	.6	.1	3,313,886	95.4	<i>Reinforcing steel</i>								
Sewer, gas, water, conduit.....	138,794	44,991	20.8	32.4	364,735	100.0	All classes.....	7,408,730	113,815	100.0	2.8	9,600,577	84.0		
<i>Subcontractors</i>						General contractors.....									
All classes.....	11,965,696	22,040	10.2	.6	6,685,720	98.2	Building.....	2,692,852	113,815	100.0	4.2	6,909,474	80.6		
General contractors ³	8,123,008	22,040	10.2	1.9	2,116,707	99.5	Building.....	2,259,019	102,893	90.4	4.6	5,950,914	77.1		
Building.....	4,510,980	144,074	66.0	3.2	11,318,543	76.1	Building not specialized.....	2,138,732	101,758	89.4	4.8	5,534,464	77.5		
Building not specialized ³	4,187,356	144,074	66.0	3.4	10,502,348	75.6	Residential building only.....	120,287	1,135	1.0	.9	416,450	73.3		
Highway.....	1,472,271	3,949	1.8	.3	4,199,304	76.0	Street paving.....	380,697	10,922	9.0	2.9	808,560	100.0		
Street paving.....	1,592,794	1,804	.6	.1	3,313,886	95.4	<i>Subcontractors</i>								
Sewer, gas, water, conduit.....	138,794	44,991	20.8	32.4	364,735	100.0	All classes.....	4,084,730	113,815	100.0	4.2	6,909,474	80.6		

See footnotes at end of table.

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

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

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹
	Cost of all materials distributed by kind	Amount	Per cent of—					Cost of all materials distributed by kind	Amount	Per cent of—			
			Total cost	Cost of all distributed materials						Total cost	Cost of all distributed materials		
WICHITA—Continued						WICHITA—Continued							
<i>Lumber, rough and finished</i>						<i>Plumbing and gas fitting equipment¹¹</i>							
All classes.....	\$4,084,730	\$288,801	100.0	7.1	\$9,000,577	84.0	All classes.....	\$4,084,730	\$383,045	100.0	9.4	\$9,000,577	84.0
General contractors ²	\$2,751,252	288,801	100.0	10.5	\$6,995,474	78.7	General contractors ²	\$2,751,252	22,835	6.0	.8	\$6,995,474	78.7
Building.....	2,317,419	288,801	100.0	12.5	6,036,914	75.1	Building.....	2,317,419	22,835	6.0	1.0	6,036,914	75.1
Building not specialized ³	2,197,132	251,744	87.2	11.5	5,620,464	75.3	Building not specialized ³	2,197,132	22,835	6.0	1.0	5,620,464	75.3
Residential building only.....	120,287	37,057	12.8	30.8	416,450	73.3	Subcontractors.....	\$1,333,487	300,210	94.0	27.0	\$2,605,103	100.0
<i>Millwork</i>						<i>Heating and plumbing.....</i>							
All classes.....	\$4,084,730	159,193	100.0	3.9	\$9,000,577	84.0	Heating and plumbing.....	486,915	360,210	94.0	74.0	894,992	100.0
General contractors ²	\$2,751,252	159,193	100.0	5.8	\$6,995,474	78.7	Heating and piping.....	90,021	33,504	8.7	37.2	169,912	100.0
Building.....	2,317,419	159,193	100.0	6.9	6,036,914	75.1	Plumbing.....	359,999	308,250	80.5	85.6	668,549	100.0
Building not specialized ³	2,197,132	138,593	87.1	6.3	5,620,464	75.3	Plumbing and heating combined.....	36,895	18,447	4.8	50.0	56,531	100.0
Residential building only.....	120,287	20,600	12.9	17.1	416,450	73.3	<i>Electrical appliances and supplies</i>						
<i>Paints, varnishes, glass</i>						All classes.....							
All classes.....	\$4,084,730	112,946	100.0	2.8	\$9,000,577	84.0	General contractors ²	\$2,751,252	19,803	6.7	.7	\$6,995,474	78.7
General contractors ²	\$2,751,252	27,728	24.5	1.0	\$6,995,474	78.7	Building.....	\$2,317,419	19,803	6.7	.9	\$6,036,914	75.1
Building.....	2,317,419	27,728	24.2	1.2	6,036,914	75.1	Building not specialized ³	2,197,132	19,803	6.7	.9	5,620,464	75.3
Building not specialized ³	2,197,132	12,353	10.9	.6	5,620,464	75.3	Subcontractors.....	\$1,333,487	277,484	93.3	20.8	\$2,605,103	100.0
Residential building only.....	120,287	15,000	13.3	12.5	416,450	73.3	Electrical.....	277,484	277,484	93.3	100.0	553,877	100.0
Sewer, gas, water, conduit.....	53,136	375	.3	.7	150,000	100.0	<i>Pipe: Cast-iron, sheet and tube steel, etc.</i>						
Subcontractors.....	\$1,333,487	85,218	75.5	6.4	\$2,005,103	100.0	All classes.....	\$4,084,730	157,574	100.0	3.9	\$9,000,577	84.0
Painting and decorating.....	15,218	15,218	100.0	100.0	70,597	100.0	General contractors.....	\$2,692,852	152,574	96.8	5.7	\$6,909,474	80.6
Glass and glazing.....	70,000	70,000	62.0	100.0	125,000	100.0	Building.....	\$2,259,019	140,074	88.9	6.2	\$5,950,914	77.1
<i>Roofing and sheet metal</i>						Building not specialized.....							
All classes.....	\$4,084,730	219,339	100.0	5.4	\$9,000,577	84.0	Sewer, gas, water, conduit.....	2,138,732	140,074	88.9	6.5	5,534,464	77.5
General contractors ²	\$2,751,252	17,874	8.1	.6	\$6,995,474	78.7	53,136	12,500	7.9	23.5	150,000	100.0	
Building.....	2,317,419	17,874	8.1	.8	6,036,914	75.1	Subcontractors.....	\$1,333,487	5,000	3.2	.4	\$2,605,103	100.0
Building not specialized ³	2,197,132	14,074	6.4	.6	5,620,464	75.3	Heating and plumbing.....	486,915	5,000	3.2	1.0	894,992	100.0
Residential building only.....	120,287	3,800	1.7	3.2	416,450	73.3	Plumbing.....	359,999	5,000	3.2	1.4	668,549	100.0
Subcontractors.....	\$1,333,487	201,465	91.9	15.1	\$2,605,103	100.0	<i>Bituminous paving materials, tar, asphalt, and oil</i>						
Roofing and sheet-metal work.....	215,309	201,465	91.9	93.5	407,772	99.8	All classes.....	\$4,084,730	60,598	100.0	1.5	\$9,000,577	84.0
Roofing.....	97,678	83,744	88.2	85.7	226,771	99.6	General contractors.....	\$2,692,852	60,598	100.0	2.3	\$6,909,474	80.6
Sheet-metal work.....	18,477	18,477	100.0	100.0	30,000	100.0	Street paving.....	380,607	60,598	100.0	15.9	808,560	100.0
Roofing and sheet metal combined.....	99,244	99,244	45.2	100.0	142,001	100.0	<i>Machinery</i>						
<i>Heating and ventilating equipment</i>						All classes.....							
All classes.....	\$4,084,730	157,514	100.0	3.9	\$9,000,577	84.0	General contractors.....	\$2,692,852	72,889	100.0	1.8	\$9,000,577	84.0
General contractors ²	\$2,751,252	41,746	26.5	1.5	\$6,995,474	78.7	Building.....	\$2,259,019	72,889	100.0	2.7	\$6,909,474	80.6
Building.....	2,317,419	41,746	26.5	1.8	6,036,914	75.1	Building not specialized.....	2,138,732	72,889	100.0	3.4	5,534,464	77.5
Building not specialized ³	2,197,132	41,746	26.5	1.9	5,620,464	75.3	<i>General contractors.....</i>						
Subcontractors.....	\$1,333,487	115,768	73.5	8.7	\$2,605,103	100.0	Building.....	\$2,692,852	72,889	100.0	2.7	\$6,909,474	80.6
Heating and plumbing.....	486,915	115,768	73.5	23.8	894,992	100.0	Building not specialized.....	2,138,732	72,889	100.0	3.4	5,534,464	77.5
Heating and piping.....	90,021	56,117	35.6	62.3	169,912	100.0	<i>General contractors.....</i>						
Plumbing.....	359,999	41,203	26.2	11.4	668,549	100.0	Building.....	\$2,692,852	72,889	100.0	2.7	\$6,909,474	80.6
Plumbing and heating combined.....	36,895	18,448	11.7	50.0	56,531	100.0	Building not specialized.....	2,138,732	72,889	100.0	3.4	5,534,464	77.5

¹ Based upon the difference between the total value of all construction business reported and the value of subcontract work let.
² See footnote 3 of Table 9 on p. 478.
³ Includes operative builders.
⁴ Includes cost of materials reported by establishments which did not include designated material in their distributed lists.
⁵ Includes construction work reported by establishments which did not include the designated material in their distributed lists.
⁶ Less than one-tenth of 1 per cent.
⁷ Includes cost of materials reported by subcontracting establishments which did not include the designated material in their distributed lists.
⁸ Includes cost of materials reported by subcontracting establishments which did not include the designated material in their distributed lists.
⁹ Includes construction work reported by operative builders who did not include the designated material in their distributed lists.
¹⁰ Includes construction work reported by operative builders who did not include the designated material in their distributed lists.
¹¹ See footnote 5 of Table 9, on p. 478.

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	Riprap, rubble, etc.	Cement	Lime	Plaster, etc.	Structural steel
		Amount	Per cent of total											
KANSAS	\$17,274,007	\$11,965,698	69.3	\$31,712,937	\$664,140	867,903	\$217,306	\$33,282	\$360,456	\$5,835	\$1,626,461	\$32,642	\$69,717	\$1,700,644
Operative builders.....	122,583	122,583	100.0	10,500	14,283	500		500	400		10,900	100	700	400
General contractors.....	\$12,588,743	8,001,323	63.6	1,616,837	649,857	51,403	87,324	32,377	312,056	5,835	1,471,438	31,736	68,839	427,883
Building.....	6,313,294	4,388,397	69.5	262,602	461,607	49,603	87,324	32,377	289,815	4,125	313,357	24,273	68,464	380,115
Building not specialized.....	5,711,011	4,064,773	71.2	248,859	474,732	46,743	86,579	31,877	287,735	4,125	291,371	21,455	63,790	374,283
Commercial building only.....	237,749	189,737	79.8	9,873	11,575		385		230		11,466	33	684	2,927
Residential building only.....	364,534	133,837	36.7	3,870	5,300	2,860			1,800		10,620	2,785	3,990	2,900
Highway.....	2,006,892	1,472,271	73.4	651,698	42,400	1,800		1,000			507,139			7,543
Bridge and culvert.....	1,426,648	386,608	27.1	92,669					22,241	210	107,905			36,716
Grading.....	47,369	22,369	47.2							1,500	12,325			
Street paving.....	2,010,730	1,592,794	79.2	597,338	114,004						520,325	7,463	375	3,509
Sewer, gas, water, conduit.....	188,794	138,794	100.0	12,630	1,846						10,359			
Subcontractors.....	4,562,681	3,841,790	84.2	85,000		16,000	129,982	405	38,000		144,123	806	178	1,281,361
Concreting.....	251,844	251,844	100.0	73,014				405			126,665			320
Electrical.....	482,174	432,174	89.6											
Heating and plumbing.....	1,768,802	1,180,911	66.8	100										
Heating and piping.....	355,315	341,315	96.1											
Plumbing.....	820,918	762,701	91.9	100										
Plumbing and heating combined.....	583,569	76,895	13.2											
Painting and decorating.....	15,218	15,218	100.0											
Glass and glazing.....	70,000	70,000	100.0											
Roofing and sheet-metal work.....	464,861	381,861	82.1	700		16,000								
Roofing.....	268,540	240,540	89.6	700		16,000								
Sheet-metal work.....	73,477	18,477	25.1											
Roofing and sheet metal combined.....	122,844	122,844	100.0											
Steel erection.....	1,292,559	1,292,559	100.0											1,280,625
Marble and tiling.....	175,797	175,797	100.0	2,123			129,982		38,000		4,339	806	178	
Bridge and culvert.....	41,426	41,426	100.0	9,063							13,119			416
WICHITA	5,378,619	4,084,739	75.9	283,018	291,784	21,889	160,634	4,654	174,316		434,171	13,486	24,861	247,549
Operative builders.....	58,400	58,400	100.0	2,000	3,000	500		500	400		900	100	600	400
General contractors.....	\$3,729,687	2,092,862	72.2	240,500	288,784	21,389	64,316	4,154	135,916		341,654	12,726	24,083	247,149
Building.....	3,045,854	2,259,019	74.2	153,720	288,184	21,389	64,316	4,154	135,916		172,698	12,726	24,083	248,049
Building not specialized.....	2,749,198	2,138,732	77.8	150,350	288,884	18,520	63,956	3,154	135,616		162,978	9,941	22,093	241,049
Residential building only.....	296,656	120,287	40.5	3,370	4,300	2,800	360	1,000	300		9,720	2,785	1,990	2,900
Street paving.....	380,697	380,697	100.0	80,000	600						165,000			3,200
Sewer, gas, water, conduit.....	53,136	53,136	100.0	6,780							3,956			
Subcontractors.....	1,590,532	1,333,487	83.8	40,518			96,318		38,000		91,617	640	178	
Concreting.....	128,696	128,696	100.0	38,857							88,639			
Electrical.....	277,484	277,484	100.0											
Heating and plumbing.....	688,960	486,915	70.7											
Heating and piping.....	90,021	90,021	100.0											
Plumbing.....	380,216	359,999	94.7											
Plumbing and heating combined.....	218,723	36,895	16.9											
Painting and decorating.....	15,218	15,218	100.0											
Glass and glazing.....	70,000	70,000	100.0											
Roofing and sheet-metal work.....	270,399	215,399	79.7											
Roofing.....	97,678	97,678	100.0											
Sheet-metal work.....	73,477	18,477	25.1											
Roofing and sheet metal combined.....	99,244	99,244	100.0											
Marble and tiling.....	139,775	139,775	100.0	1,661			96,318		38,000		2,978	640	178	

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. 473.
³ Includes waterworks, \$80,000; central station, light and power plant, \$537,016; and oil and natural-gas pipe line, \$28,000.
⁴ Includes central station, light and power plant, \$250,000.

CONSTRUCTION—KANSAS

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	Mill-work	Compo-sition board	Water-proofing materials	Hard-ware, rough and finished	Paints, var-nishes, and glass	Roofing and sheet metal	Fin-ished floor-ing, n. e. s.	Screens, shades, awn-ings, etc.
KANSAS	\$513,601	\$35,334	\$116,768	\$29,840	\$35,779	\$766,253	\$34,079	\$335,163	\$48,795	\$33,975	\$144,728	\$163,843	\$398,688	\$74,907	\$9,609
Operative builders				250	100	32,346	100	8,000	1,500	500	1,872	3,082	800	950	450
General contractors	408,263	35,034	107,408	28,948	27,679	725,552	34,879	377,163	36,225	17,281	138,710	72,085	96,621	73,987	9,159
Building	202,510	20,160	107,408	28,546	27,679	646,287	34,429	372,589	35,655	15,810	100,773	71,489	96,053	73,287	8,334
Building not specialized	201,014	20,160	100,421	27,227	27,679	546,488	30,873	342,210	35,430	15,000	101,279	55,208	81,368	69,189	6,590
Commercial building only	361		987	819		56,742		9,779	25	216	584	1,281	10,885	1,198	
Residential building only	1,135			500		43,067	3,550	20,000	200	600	4,910	15,000	3,800	2,900	2,244
Highway	134,616	1,172				25,157		738			1,912	70	150		
Bridge and culvert	92,113					28,650					18,014	200			
Grading	2,701					7,315									
Street paving	35,500	1,800		402		17,843	450	3,836	570	1,303	12,011	551	418	670	325
Sewer, gas, water, conduit	814	2,902				300				162		375			
Subcontractors	45,338	300	9,360	442	8,000	8,355			12,070	16,194	4,146	88,076	301,267		
Concreting	34,538					4,780				1,200	3,540		150		
Electrical															
Heating and plumbing				150							100		284	11,090	
Heating and piping				150									284	4,600	
Plumbing											100			6,590	
Painting and decorating													15,218		
Glass and glazing													70,000		
Roofing and sheet-metal work		300			8,000				12,040	14,794			290,027		
Roofing		300			8,000				12,040	14,794			148,706		
Sheet-metal work													18,477		
Roofing and sheet metal combined													122,844		
Steel erection			9,860										2,574		
Marble and tiling				292					30						
Bridge and culvert	10,800					3,575				200	500				
WICHITA	113,815	28,466	43,792	4,885	15,859	288,801	11,715	151,193	25,961	12,235	41,793	112,946	219,339	35,007	4,943
Operative builders				250	100	20,000		8,000	1,500	500	500	1,500	800	650	350
General contractors	113,815	28,466	43,792	4,635	15,759	268,801	11,715	151,193	13,311	7,741	41,293	20,228	17,074	34,357	4,593
Building	102,893	26,726	43,792	4,635	15,759	268,801	11,715	151,193	13,311	7,741	41,293	25,853	17,074	34,357	4,593
Building not specialized	101,758	26,726	43,792	4,635	15,759	231,744	8,669	130,593	13,311	7,141	41,293	10,853	13,274	31,467	2,349
Residential building only	1,135					37,057	3,056	20,000		600	4,310	15,000	3,800	2,900	2,244
Street paving	10,922														
Sewer, gas, water, conduit		1,740										375			
Subcontractors									11,140	3,994		85,218	201,465		
Concreting										1,200					
Painting and decorating												15,218			
Glass and glazing												70,000			
Roofing and sheet-metal work									11,140	2,794			201,465		
Roofing									11,140	2,794			83,744		
Sheet-metal work													18,477		
Roofing and sheet metal combined													90,244		

CLASSIFICATION OF ESTABLISHMENTS	Heating and ventilat-ing equip-ment	Plumb-ing and gas fitting equip-ment	Electrical appli-ances 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	Bitu-mi-nous paving materials	Ready mixed concrete	Machin-ery	Chem-icals, and chem-ical prod-ucts	Metal prod-ucts, n. e. s.	Miscel-lane-ous ^a
KANSAS	\$473,137	\$800,359	\$498,630	\$18,071	\$164,603	\$216,358	\$15,349	\$171,279	\$51,177	\$109,049	\$5,869	\$14,168	\$145,362
Operative builders	7,000	14,700	4,400		250	4,000							
General contractors	55,046	49,036	38,206	17,534	142,553	190,318	11,153	167,279	51,177	109,049	5,369	14,168	145,281
Building	54,415	40,696	37,586	17,534	3,414	140,074	1,043			109,049		383	124,021
Building not specialized	50,515	40,320	32,137	15,549	3,414	140,074	973			72,889		383	102,329
Commercial building only	3,900	376	5,449	1,985			75			36,160			21,692
Highway					48,347	3,949	8,032	11,278			2,259		1,560
Bridge and culvert					8,846			185					
Street paving	631	130	620		40,008	1,304	2,078	155,325	51,177		3,110		19,700
Sewer, gas, water, conduit		8,201			41,938	44,991		491				13,785	
Subcontractors	411,091	736,623	456,024	537	21,800	22,040	4,191						81
Concreting			100		3,546		3,546						34
Electrical			432,174										
Heating and plumbing	393,091	715,623	23,750	537	14,146	22,040							
Heating and piping	206,734	122,211			1,398	6,040							
Plumbing	182,909	559,965	13,750	537	12,750	10,000							
Plumbing and heating com-bined	33,448	33,447	10,000										
Roofing and sheet-metal work	18,000	21,000			1,000								
Roofing	18,000	21,000			1,000								
Marble and tiling													47
Bridge and culvert					3,106		645						
WICHITA	157,514	\$ 883,045	297,287	2,037	24,470	157,574		60,598	51,177	72,889		13,785	89,281
Operative builders	6,500	6,700	2,400		250								
General contractors	35,246	16,135	17,403	1,500	18,820	152,574		60,598	51,177	72,889		13,785	89,281
Building	35,246	16,135	17,403	1,500	320	140,074				72,889			84,581
Building not specialized	35,246	16,135	17,403	1,500	320	140,074				72,889			84,581
Street paving					4,500			60,598	51,177				4,700
Sewer, gas, water, conduit					14,000	12,500						13,785	
Subcontractors	115,768	360,210	277,484	537	5,400	5,000							
Electrical			277,484										
Heating and plumbing	115,768	360,210		537	5,400	5,000							
Heating and piping	56,117	33,504			400								
Plumbing	41,203	308,259		537	5,000								
Plumbing and heating com-bined	18,448	18,447											

^a See footnote 5 of Table 9 on p. 478.

^b Includes the reported cost of wood piling and timber; freight, hauling and trucking to job; and miscellaneous, n. e. s. For total cost of these items see Table 9.

CONSTRUCTION—KANSAS

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	KANSAS 1930 population, 1,830,909								KANSAS CITY 1930 population, 121,857			WICHITA 1930 population, 111,110			REMAINDER OF STATE 1930 population, 1,648,032		
	Known contracting establishments				Volume of business reported				Volume of business			Volume of business			Volume of business		
	Total number	Inactive in 1929	Active in 1929		Number of reporting establishments	Per cent of active	Amount	Average per establishment	Total number active in 1929	Number of reporting establishments	Amount	Total number active in 1929	Number of reporting establishments	Amount	Total number active in 1929	Number of reporting establishments	Amount
			Number	Per cent													
Total establishments canvassed (less than \$25,000).....	1,316	24	1,292					194			93			1,005			
Total establishments, type of work unknown.....	20	2	18	4	22.2	\$58,337	\$14,584	2						16	4	\$58,337	
Total general and subcontractors classified.....	1,296	22	1,274	100.0				192			93			989			
Total general contractors classified.....	343	11	332	26.1	87	26.2	923,302	10,613	76	12	\$102,508	12	3	\$50,350	244	72	770,440
Building.....	310	10	300	23.5	76	25.3	792,771	10,432	71	10	86,006	11	3	50,350	218	63	656,415
Highway.....	20	1	19	1.5	7	36.8	87,065	12,438	4	1	1,500			15	6	85,565	
Sewer, gas, water, conduit.....	3		3	.2							1			2			
Bridge and culvert.....	10		10	.8	4	40.0	43,466	10,867	1	1	15,000			9	3	28,466	
Total subcontractors classified.....	953	11	942	73.9	276	20.3	1,953,297	7,077	116	19	109,544	81	17	150,694	745	240	1,093,059
Carpentering.....	123	3	120	9.4	33	27.5	162,032	4,937	13	3	5,858	2	1	5,000	105	29	152,074
Concreting.....	62	2	60	4.7	24	40.0	123,034	5,126	8					52	24	123,034	
Electrical.....	149	2	147	11.5	46	30.6	322,763	7,172	12	3	20,600	9	1	2,500	126	41	290,663
Excavating.....	17		17	1.3	2	11.8	33,000	16,500	13					4	2	33,000	
Glass and glazing.....	4		4	.3										4			
Masonry.....	18		18	1.4	2	11.1	6,000	3,000	7					11	2	6,000	
Marble and tiling.....	8		8	.6	2	25.0	33,500	16,750						8	2	33,500	
Ornamental iron.....	7		7	.6	1	14.3	11,000	11,000						4	1	11,000	
Cut stone.....	6		6	.5					1					3			
Painting and decorating.....	126	2	124	9.7	47	38.0	184,130	3,918	1	1	12,251	9	1	7,000	114	45	164,879
Plastering and lathing.....	42		42	3.3	13	31.0	49,050	3,773	9	2	6,500			35	11	42,550	
Plumbing and heating.....	290	2	288	22.6	81	28.1	704,930	9,443	51	10	64,335	30	6	43,604	207	65	656,691
Roofing and sheet metal work.....	63		63	4.9	18	28.6	178,031	9,801				19	7	81,290	44	11	96,741
Heating and ventilating.....	35		35	2.7	7	20.0	82,927	11,847	1			5		20	7	82,927	
Wrecking.....	1		1	.1	1	100.0	2,000	2,000						1	1	2,000	
Steel erection.....	1		1	.1							1						
Street paving.....	1		1	.1										1			

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
KANSAS											
Total general and subcontractors.....	367	99	60	43	29	45	20	24	19	21	7
General contractors.....	87	12	14	7	5	17	6	9	4	8	5
Subcontractors.....	276	87	46	36	24	27	14	12	15	13	2
Type of contracting unknown.....	4					1		3			

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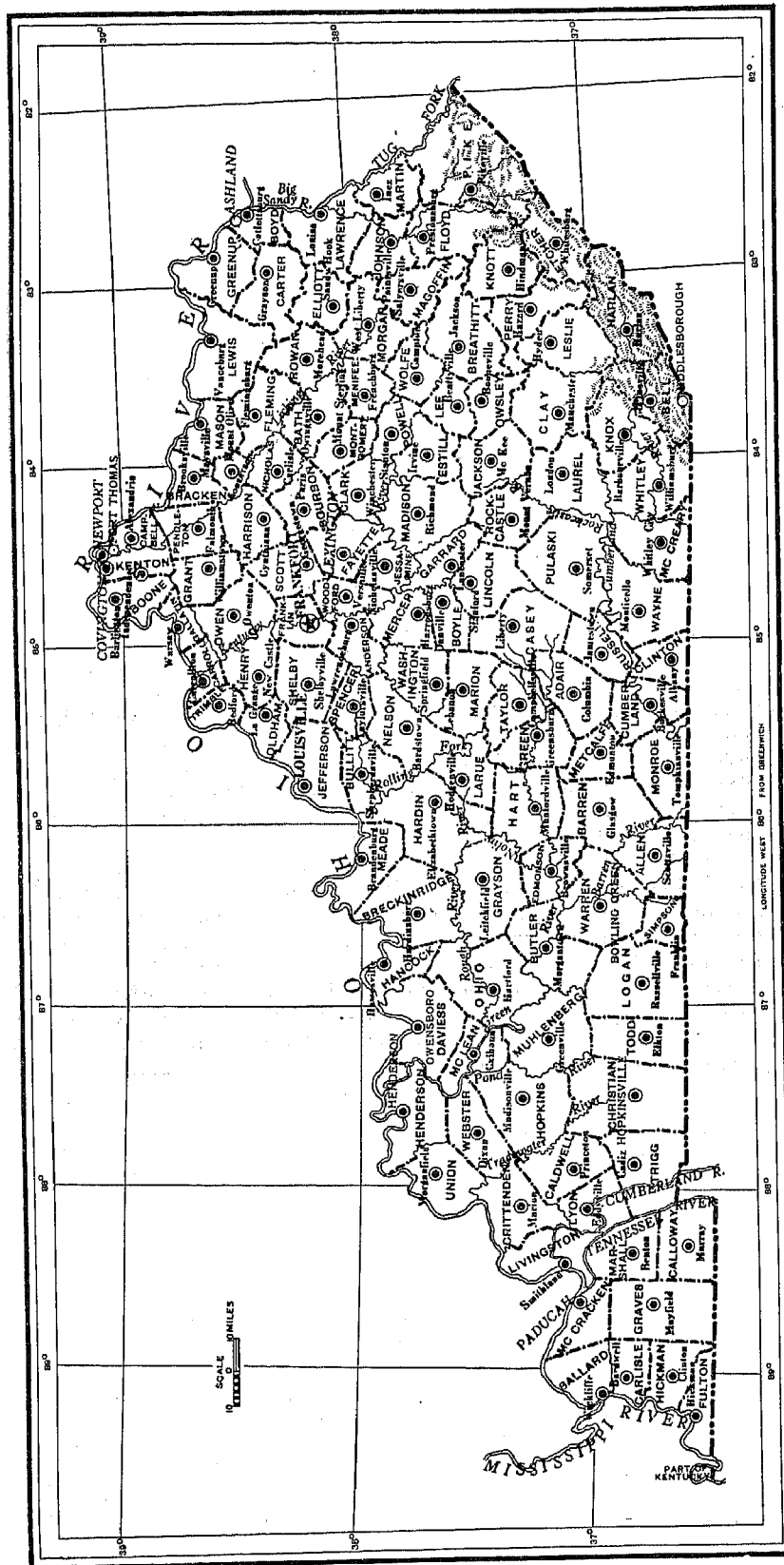


TABLE 1.—VALUE OF CONSTRUCTION BUSINESS DURING 1929 AND PRINCIPAL ITEMS OF EXPENDITURE

[Values expressed in thousands]

AREA, CLASSIFICATION OF ESTABLISHMENTS, AND SIZE OF BUSINESS GROUP	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
KENTUCKY.....	380	\$48,319	\$32,965	\$10,355	\$8,998	\$9,394	\$13,872					
<i>Counties and principal city</i>												
Counties:												
Bell.....	4	496	496		123	173	109					
Boyd.....	11	1,307	1,102	205	81	396	389					
Boyle.....	4	418	418		108	97	42					
Calloway.....	3	404	344	60	18	98	214					
Campbell.....	15	1,482	1,153	329	454	346	431					
Clark.....	3	910	854	56	347	161	37					
Daviess.....	0	815	815		156	142	219					
Payette.....	27	5,020	4,735	804	1,445	1,022	1,752					
Franklin.....	5	337	209	38	59	85	145					
Graves.....	3	234	172	62	20	54	50					
Harlan.....	3	148	148		3	35	98					
Hopkins.....	3	813	813		177	248	202					
Jefferson.....	154	22,233	14,744	7,519	4,030	4,453	7,501					
Kenton.....	37	3,041	2,138	903	516	722	1,174					
McCracken.....	7	534	307	167	78	122	227					
Madison.....	3	230	189	41	34	41	131					
Warren.....	3	382	382		49	124	120					
Other counties ¹	36	3,877	3,797	80	700	1,075	1,059					
Principal city: ²												
Louisville.....	148	21,808	14,430	7,438	4,542	4,350	7,387					
<i>Classification of establishments</i>												
Operative builders.....	9	955	955		638	75	145					
General contractors.....	174	20,440	20,120	311	8,185	6,087	7,744					
Building.....	111	16,120	16,093	29	6,218	2,947	4,385					
Building not specialized.....	79	13,540	13,512	29	5,315	2,490	3,480					
Residential building only.....	32	2,581	2,581		903	457	899					
Highway.....	81	5,780	5,090	96	935	1,885	1,399					
Bridge, culvert, and railroad.....	4	2,334	2,225	109	744	559	359					
Grading.....	12	1,260	1,198	62	150	440	48					
Street paving.....	12	2,674	2,674		135	452	1,089					
Sewer, gas, water, conduit.....	4	1,267	1,251	16	3	304	494					
Subcontractors.....	147	12,924	2,881	10,044	175	3,231	5,983					
Concrete and foundation.....	9	1,152	567	585	9	368	345					
Electrical.....	10	1,691	309	1,382	1	376	853					
Elevator construction ³	4	851	479	371	101	122	489					
Heating and plumbing.....	51	3,076	979	2,096	42	744	1,577					
Heating and piping.....	18	1,276	522	754	39	283	664					
Plumbing.....	20	1,571	398	1,173	3	394	801					
Plumbing and heating combined.....	4	228	59	169		67	113					
Masonry and stone work.....	10	730	23	707		276	287					
Painting and decorating.....	7	498		498		264	92					
Glass and glazing.....	3	520		520		50	359					
Plastering and lathing.....	5	697		697	5	301	273					
Roofing and sheet-metal work.....	21	1,289	289	1,000	2	328	500					
Roofing.....	8	540	73	473	2	108	230					
Sheet-metal work.....	6	317	181	136		95	123					
Roofing and sheet metal combined.....	7	426	35	391		125	206					
Steel erection.....	4	469	135	334		67	259					
Marble and tiling.....	6	1,027	10	1,017		108	470					
Ornamental iron.....	3	577	89	488		123	243					
Other classes ⁴	5	348		348	15	55	175					
<i>Size of business groups</i>												
General contractors ⁵	183	30,395	30,084	311	8,823	6,162	7,880					
\$25,000 to \$49,999.....	43	1,541	1,533	8	293	410	472					
\$50,000 to \$99,999.....	61	4,322	4,229	93	1,184	956	1,285					
\$100,000 to \$199,999.....	35	4,098	4,625	73	1,015	1,110	1,449					
\$200,000 to \$499,999.....	34	10,864	10,849	15	3,081	2,022	2,809					
\$500,000 to \$999,999.....	3	5,890	5,876	14	2,053	1,063	1,332					
\$1,000,000 and over.....	2	3,083	2,974	109	1,197	602	542					
Building contractors ⁶	120	17,075	17,046	29	6,856	3,022	4,530					
\$25,000 to \$49,999.....	25	869	869		270	173	297					
\$50,000 to \$99,999.....	48	3,452	3,437	15	1,133	675	1,115					
\$100,000 to \$199,999.....	22	3,020	3,006	14	950	622	1,017					
\$200,000 to \$499,999.....	19	5,400	5,400		2,292	964	1,199					
\$500,000 to \$999,999.....	4	2,790	2,780		1,438	365	577					
\$1,000,000 and over.....	1	1,546	1,546		773	223	325					
KENTUCKY—Continued.												
<i>Size of business groups—Continued</i>												
Subcontractors.....	147	\$12,024	\$2,881	\$10,044	\$175	\$3,231	\$5,983					
\$25,000 to \$49,999.....	71	2,491	636	1,855	2	759	1,079					
\$50,000 to \$99,999.....	44	3,067	590	2,477	13	828	1,374					
\$100,000 to \$199,999.....	19	2,783	527	2,256	59	761	1,159					
\$200,000 to \$499,999.....	11	3,207	597	2,600		655	1,602					
\$500,000 to \$999,999.....	2	1,284	430	854	101	227	767					
\$1,000,000 and over.....												
LOUISVILLE.....	148	21,868	14,430	7,438	4,542	4,350	7,387					
<i>Classifications of establishments</i>												
Operative builders.....	3	422	422		331	14	46					
General contractors.....	59	12,480	12,357	124	4,093	2,281	3,040					
Building.....	47	7,927	7,927		3,483	1,278	1,794					
Building not specialized.....	29	6,646	6,646		3,002	1,064	1,369					
Residential building only.....	18	1,282	1,282		401	213	428					
Highway and grading.....	4	701	686	15		134	305					
Street paving.....	5	990	990		23	141	335					
Other classes ⁴	3	2,862	2,782	109	577	729	607					
Subcontractors.....	86	8,065	1,651	7,314	148	2,055	4,302					
Concrete.....	4	355	42	313		108	129					
Electrical.....	14	1,452	170	1,273	1	317	756					
Elevator construction ³	4	851	479	371	101	122	489					
Heating and plumbing.....	24	1,588	467	1,121	41	365	790					
Heating and piping ⁷	11	879	230	650	39	200	441					
Plumbing.....	13	708	237	471	2	164	349					
Masonry.....	4	412		412		153	172					
Painting and decorating.....	4	401		401		204	82					
Plastering and lathing.....	3	466		466	5	180	204					
Roofing and sheet-metal work.....	14	856	249	607		206	358					
Roofing.....	5	433	33	400		32	186					
Sheet-metal work.....	6	317	181	136		95	123					
Roofing and sheet metal combined.....	3	106	35	71		29	49					
Steel erection.....	3	422	135	287		54	240					
Marble and tiling.....	4	952	10	942		144	434					
Ornamental iron.....	3	577	89	488		123	243					
Other classes ⁴	5	633		633		73	404					
<i>Size of business groups</i>												
General contractors ⁵	62	12,902	12,779	124	4,394	2,295	3,085					
\$25,000 to \$49,999.....	14	438	438		139	83	135					
\$50,000 to \$99,999.....	16	1,109	1,109		246	187	444					
\$100,000 to \$199,999.....	12	1,614	1,614		531	305	456					
\$200,000 to \$499,999.....	16	4,947	4,932	15	1,729	783	1,131					
\$500,000 to \$999,999.....	1	1,711	1,711		552	335	379					
\$1,000,000 and over.....	2	3,083	2,974	109	1,197	602	542					
Building contractors ⁶	50	8,350	8,350		3,794	1,201	1,839					
\$25,000 to \$49,999.....	12	365	365		130	66	107					
\$50,000 to \$99,999.....	15	1,036	1,036		246	172	412					
\$100,000 to \$199,999.....	10	1,389	1,389		531	250	386					
\$200,000 to \$499,999.....	11	3,217	3,217		1,553	482	571					
\$500,000 to \$999,999.....	1	797	797		552	98	39					
\$1,000,000 and over.....	1	1,546	1,546		773	228	325					
Subcontractors.....	86	8,065	1,651	7,314	148	2,055	4,302					
\$25,000 to \$49,999.....	34	1,195	408	787		321	531					
\$50,000 to \$99,999.....	28	1,931	228	1,703	8	531	824					
\$100,000 to \$199,999.....	13	1,885	357	1,528	39	498	803					
\$200,000 to \$499,999.....	9	2,608	177	2,491		478	1,376					
\$500,000 to \$999,999.....	2	1,284	480	804	101	227	767					
\$1,000,000 and over.....												

¹ Includes Barren, Boone, Breathitt, Casey, Cumberland, Hancock, Harrison, Henderson, Henry, Jessamine, Laurel, Lawrence, Lincoln, Logan, Mason, Mercer, Montgomery, Nelson, Ohio, Pendleton, Pike, Pulaski, Russell, Taylor, Todd, Trigg, Webster, Whitley, and Woodford for which no data can be shown separately without revealing individual operations. From areas other than those listed no reports were received for establishments which handled as much as \$25,000 business during 1929.

² Figures included in county total.
³ Includes metal

CONSTRUCTION—KENTUCKY

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
KENTUCKY						LOUISVILLE							
All construction business.....	330	\$43,810,441	183	\$30,395,350	147	\$12,924,091	All construction business.....	148	\$21,867,584	62	\$12,902,472	86	\$8,965,112
Distribution not reported.....	37	2,916,664	17	1,427,138	20	1,480,526	Distribution not reported.....	12	989,780	3	366,440	9	623,340
Distributed by class of ownership.....	293	40,402,777	166	28,968,212	127	11,434,565	Distributed by class of ownership.....	136	20,877,804	59	12,536,032	77	8,341,772
Private.....	245	21,319,705	120	12,459,270	125	8,860,423	Private.....	127	13,007,620	51	6,586,132	76	6,421,494
Quasi public or community.....	78	3,078,887	50	2,638,218	48	1,340,660	Quasi public or community.....	45	2,303,783	12	1,172,574	32	1,131,209
Public.....	132	15,104,185	83	13,870,716	49	1,233,470	Public.....	52	5,566,395	20	4,777,326	32	780,069
Distribution not reported.....	11	513,274	4	346,697	7	166,577	Distribution not reported.....	3	37,352	1	1,340	2	36,012
Distributed by class of public ownership.....	121	14,560,911	79	13,524,018	42	1,066,893	Distributed by class of public ownership.....	49	5,529,043	19	4,775,986	30	753,057
Federal.....	14	473,253	4	430,426	10	42,827	Federal.....	10	121,922	2	(?)	8	(?)
State.....	54	6,480,276	45	6,267,393	9	212,883	State.....	11	640,891	5	500,659	6	140,232
County or township.....	31	772,162	17	576,618	14	195,544	County or township.....	11	254,148	2	(?)	9	(?)
Municipal.....	62	6,865,220	33	6,249,581	20	615,630	Municipal.....	33	4,512,082	13	4,047,677	20	464,405
All business under general contract or directly for owners.....	228	32,064,597	182	30,084,074	46	2,880,523	All business under general contract or directly for owners.....	86	14,429,689	61	12,778,749	25	1,650,940
Distribution not reported.....	1	337,012	1	337,012	1	280,523	Distribution not reported.....	1	135,000	1	135,000	1	135,000
Distributed by class.....	227	32,027,585	181	29,747,062	46	2,880,523	Distributed by class.....	85	14,294,689	61	12,778,749	24	1,515,940
Building.....	170	10,632,872	125	16,952,148	45	2,680,724	Building.....	70	10,105,778	52	8,589,838	24	1,515,940
Distribution not reported.....	14	676,472	7	462,408	7	214,064	Distribution not reported.....	6	302,892	1	104,579	5	198,316
Distributed by class.....	159	18,956,400	118	16,489,740	38	2,466,600	Distributed by class.....	70	9,802,886	51	8,485,262	19	1,317,624
Commercial.....	63	3,296,290	47	2,864,214	16	432,076	Commercial.....	27	2,097,713	21	1,873,452	6	224,261
Educational.....	40	2,482,297	27	2,393,583	13	88,714	Educational.....	11	1,021,660	6	980,218	5	41,442
Hotel.....	12	376,718	7	234,207	5	142,511	Hotel.....	5	144,337	2	483,819	3	201,217
Hospital and institutional.....	26	1,103,481	12	927,773	10	175,700	Hospital and institutional.....	14	630,699	7	1,210,894	5	208,800
Manufacturing.....	21	1,748,817	14	1,504,992	7	243,825	Manufacturing.....	12	1,419,700	7	1,210,894	5	208,800
Military and naval.....	2	665,234	1	643,669	1	21,565	Military and naval.....	1	110,364	1	(?)	1	(?)
Public: Courts, jails, etc.....	16	1,438,373	20	1,382,383	10	55,900	Public: Courts, jails, etc.....	17	911,371	12	880,568	5	21,803
Religious and memorial.....	30	6,287,937	89	5,605,234	26	682,703	Religious and memorial.....	49	2,742,490	36	2,400,034	13	342,456
Residential.....	115	176,232	9	143,514	6	32,718	Residential.....	11	153,304	7	133,254	4	20,050
Social and recreational.....	1	127,340	1	700,172	2	500,840	Social and recreational.....	1	101,340	1	(?)	2	(?)
Air transport.....	3	1,253,681	20	9	9	Miscellaneous.....	2	469,908	6	401,023	3	68,885	
Rail and water transportation.....	60	9,458,674	59	(?)	1	(?)	Highway and street.....	10	2,080,894	10	2,080,894	5	1,765,260
Miscellaneous.....	4	303,962	4	303,952	4	(?)	Public works and utilities.....	5	1,765,260	5	1,765,260	5	(?)
Highway and street.....	21	3,083,289	19	(?)	2	(?)	Sewage disposal and drainage.....	4	942,510	4	942,510	4	(?)
Railroad and car line.....	6	1,240,439	4	1,212,551	1	136,620	Bridge, tunnel, etc.....	3	822,759	3	822,759	3	(?)
Public works and utilities.....	1	102,732	1	102,732	1	102,732	Miscellaneous.....	1	342,748	1	342,748	1	(?)
Bridge, tunnel, etc.....	1	1,490,060	10	1,490,060	1	(?)	Railroad and car line.....	1	342,748	1	342,748	1	(?)
Dock, pier, retaining wall, etc.....	4	98,158	3	(?)	1	(?)	Miscellaneous, n. e. s.....	3	(?)	3	(?)	3	(?)
Flood control, irrigation, and land drainage.....	2	145,900	3	145,900	1	(?)	All business under subcontract.....	79	7,437,895	2	123,723	77	7,314,172
Sewage disposal and drainage.....	3	148,798	3	(?)	1	(?)	Distribution not reported.....	3	161,190	2	123,723	1	37,467
Water supply.....	2	148,798	3	(?)	1	(?)	Distributed by class.....	70	7,276,705	76	7,276,705	76	7,276,705
Central station, light and power plant.....	4	148,798	3	(?)	1	(?)	Concrete.....	4	313,623	4	313,623	4	313,623
Miscellaneous.....	3	148,798	3	(?)	1	(?)	Electrical.....	13	1,077,741	13	1,077,741	13	1,077,741
Miscellaneous, n. e. s.....	1	60,000	1	60,000	1	60,000	Elevator construction.....	2	724,054	2	724,054	2	724,054
All business under subcontract.....	138	10,354,844	9	311,276	129	10,043,568	Ornamental iron.....	4	724,054	4	724,054	4	724,054
Distribution not reported.....	1	60,000	1	60,000	1	60,000	Heating and plumbing.....	1	533,448	1	533,448	1	533,448
Distributed by class.....	137	10,294,844	9	311,276	128	9,983,568	Heating and piping.....	12	714,724	12	714,724	12	714,724
Carpentering and wood flooring.....	3	40,500	1	(?)	2	(?)	Pipe covering.....	2	180,660	2	180,660	2	180,660
Concreting.....	9	732,359	9	732,359	9	732,359	Plumbing and heating combined.....	1	180,660	1	180,660	1	180,660
Stonework.....	2	1,186,801	3	1,186,801	3	1,186,801	Plumbing.....	14	638,064	14	638,064	14	638,064
Electrical.....	3	734,279	5	734,279	5	734,279	Masonry.....	4	592,321	4	592,321	4	592,321
Elevator construction.....	2	734,279	5	734,279	5	734,279	Stonework.....	1	385,829	1	385,829	1	385,829
Ornamental iron.....	5	2,469,588	23	2,469,588	23	2,469,588	Painting and decorating.....	5	535,980	5	535,980	5	535,980
Heating and plumbing.....	23	1,093,246	23	1,093,246	23	1,093,246	Glass and glazing.....	4	467,834	4	467,834	4	467,834
Heating and piping.....	2	108,375	5	108,375	5	108,375	Plastering and lathing.....	5	387,792	5	387,792	5	387,792
Plumbing and heating combined.....	5	1,267,967	33	1,267,967	33	1,267,967	Roofing and sheet-metal work.....	4	137,121	4	137,121	4	137,121
Pipe covering.....	11	719,951	1	(?)	10	(?)	Roofing.....	4	180,019	8	180,019	8	180,019
Plumbing.....	8	479,255	8	479,255	8	479,255	Sheet-metal work.....	3	70,652	3	70,652	3	70,652
Masonry.....	6	538,980	6	538,980	6	538,980	Roofing and sheet-metal combined.....	3	284,500	3	284,500	3	284,500
Painting and decorating.....	6	698,769	6	698,769	6	698,769	Steel erection.....	4	738,447	4	738,447	4	738,447
Glass and glazing.....	6	774,075	8	774,075	8	774,075	Marble and tiling.....	3	141,551	3	141,551	3	141,551
Plastering and lathing.....	8	193,347	8	193,347	8	193,347	Metal work, n. e. s.....	3	141,551	3	141,551	3	141,551
Roofing and sheet-metal work.....	12	189,569	12	189,569	12	189,569	Carpentering and wood flooring.....	1	92,656	1	92,656	1	92,656
Roofing.....	7	391,159	7	391,159	7	391,159	Miscellaneous, n. e. s.....	2	(?)	2	(?)	2	(?)
Sheet-metal work.....	4	319,750	4	319,750	4	319,750							
Roofing and sheet-metal combined.....	7	820,300	7	820,300	7	820,300							
Steel erection.....	2	204,190	1	147,602	1	50,588							
Marble and tiling.....	8	304,921	1	(?)	1	(?)							
Wrecking.....	4	143,551	4	143,551	4	143,551							
Excavating.....	1	127,575	1	127,575	1	127,575							
Highway.....	1	127,575	1	127,575	1	127,575							
Grading.....	4	143,551	4	143,551	4	143,551							
Metal work, n. e. s.....	1	127,575	1	127,575	1	127,575							
Pipeline.....	2	127,575	2	127,575	2	127,575							
Miscellaneous, n. e. s.....	2	127,575	2	127,575	2	127,575							

¹ Includes operative builders.

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

TABLE 3.—CONSTRUCTION BUSINESS DURING 1929, BY LOCATION

CLASSIFICATION OF ESTABLISHMENTS	Establishments reporting	KENTUCKY			LOUISVILLE		
		Total	In home city	In home State	Total	In home city	In home State
KENTUCKY	315	\$39,537,921	\$23,664,182	\$36,080,203	\$4,477,718		
Operative builders.....	9	954,660	810,717	954,660			
General contractors.....	167	27,457,521	14,627,239	23,960,942	3,490,579		
Building.....	103	15,370,916	11,195,058	14,044,090	1,325,926		
Building not specialized.....	76	12,790,330	9,363,198	11,464,404	1,325,926		
Residential building only.....	27	2,580,586	1,831,860	2,580,586			
Highway.....	20	5,567,112	192,165	4,410,655	1,156,457		
Bridge, culvert, and railroad.....	4	2,354,483	1,742,617	2,334,433			
Grading.....	11	1,099,820	87,317	1,037,320	62,000		
Street paving.....	11	1,818,720	1,326,907	1,813,109	5,617		
Sewer, gas, water, conduit.....	4	1,266,514	83,115	313,935	952,579		
Subcontractors.....	139	11,125,740	8,226,226	10,144,001	981,139		
Concreting and foundation.....	8	1,042,003	869,711	993,482	48,521		
Electrical.....	17	1,415,448	1,230,948	1,328,948	86,500		
Heating and plumbing.....	49	2,753,207	2,412,430	2,637,948	65,659		
Heating and piping.....	18	1,276,171	1,111,873	1,247,463	28,708		
Plumbing.....	27	1,248,726	1,072,547	1,211,775	36,951		
Plumbing and heating combined.....	4	228,310	228,310	228,310			
Masonry and stonework.....	10	720,800	643,430	710,493	10,307		
Painting and decorating.....	7	497,774	410,823	430,328	61,446		
Plastering and lathing.....	5	697,210	391,730	427,620	269,590		
Roofing and sheet-metal work.....	20	1,076,064	783,322	1,030,411	93,653		
Roofing.....	8	546,023	268,305	527,711	18,312		
Sheet-metal work.....	6	316,644	270,308	295,803	21,341		
Roofing and sheet metal combined.....	6	216,397	214,714	216,397			
Steel erection.....	4	468,625	274,600	468,625			
Marble and tiling.....	3	1,026,837	749,775	911,907	74,930		
Ornamental iron.....	3	577,462	112,114	561,614	65,848		
Metal work, n. e. s. 1.....	3	177,022	130,022	130,022	38,000		
Other classes 2.....	7	661,228	248,418	449,603	211,625		
LOUISVILLE	142	\$20,368,371	\$15,790,672	\$18,309,100	\$2,059,771		
Operative builders.....	3	422,500	422,500	422,500			
General contractors.....	57	12,175,800	9,622,131	10,723,011	1,452,789		
Building.....	46	7,732,933	6,894,787	7,209,723	433,210		
Building not specialized.....	28	6,451,392	5,844,526	6,018,132	433,210		
Residential building only.....	18	1,281,541	1,050,262	1,281,541			
Highway and grading.....	3	590,944	45,000	475,944	115,000		
Street paving.....	5	980,046	980,046	980,046			
Other classes 3.....	3	2,861,877	1,752,298	1,957,298	904,579		
Subcontractors.....	82	7,770,571	5,746,041	7,163,589	606,982		
Concreting.....	4	355,448	351,127	359,448			
Electrical.....	13	1,202,536	1,108,036	1,206,036	86,500		
Heating and plumbing.....	23	1,432,833	1,223,381	1,411,046	21,187		
Heating and piping 4.....	11	879,410	774,819	879,410			
Plumbing.....	12	553,417	448,562	532,230	21,187		
Masonry.....	4	412,313	412,313	412,313			
Painting and decorating.....	4	401,348	338,846	359,348	42,000		
Plastering and lathing.....	3	466,275	355,795	391,835	74,500		
Roofing and sheet-metal work.....	14	855,633	566,139	826,950	28,683		
Sheet-metal work.....	5	438,170	191,700	425,868	7,312		
Roofing and sheet metal combined.....	0	316,644	270,308	295,803	21,341		
Steel erection.....	3	105,819	104,136	105,819			
Marble and tiling.....	3	422,000	267,000	422,000			
Ornamental iron.....	4	951,984	606,826	883,405	68,579		
Metal work, n. e. s. 1.....	3	577,462	112,114	561,614	65,848		
Other classes 2.....	4	425,717	187,442	244,092	181,625		

1 Includes elevator construction.
 2 Includes carpentering and wood flooring; glass and glazing; wrecking; highway; pipe line; and miscellaneous, n. e. s.
 3 Includes bridge and culvert; sewer, gas, water, conduit; and railroad.
 4 Includes plumbing and heating combined.
 5 Includes glass and glazing; wrecking; and miscellaneous, n. e. s.

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
KENTUCKY				LOUISVILLE			
Total distributed by State 1.....	\$4,477,718	\$3,406,579	\$981,139	Total distributed by State 2.....	\$2,059,771	\$1,452,789	\$606,982
Alabama.....	44,639		44,639	Alabama.....	44,639		44,639
Arkansas.....	30,203	30,203		Florida.....	36,857		36,857
Florida.....	36,857		36,857	Georgia.....	44,312		44,312
Georgia.....	354,812	310,500	44,312	Illinois.....	781,797	773,797	8,000
Illinois.....	893,765	885,765	8,000	Indiana.....	172,400	55,000	117,400
Indiana.....	334,501	212,734	121,767	Louisiana.....	86,800	86,800	
Louisiana.....	86,800	86,800		Michigan.....	5,055		5,055
Michigan.....	5,055		5,055	Nebraska.....	65,952	65,952	
Nebraska.....	65,952	65,952		Ohio.....	394,454	359,291	35,163
Ohio.....	1,028,211	682,730	345,481	Oklahoma.....	4,200		4,200
Oklahoma.....	4,200		4,200	Pennsylvania.....	15,374		15,374
Pennsylvania.....	15,374		15,374	Tennessee.....	61,111	11,949	49,162
Tennessee.....	705,024	621,174	83,850	Virginia.....	26,650		26,650
Texas.....	9,784		9,784	West Virginia.....	184,975	100,000	84,975
Virginia.....	26,650		26,650	Other States, n. s. 3.....	135,189		135,189
West Virginia.....	700,696	600,721	99,975				
Other States, not specified.....	135,189		135,189				

Number of establishments reporting:
 1 All classes, 51; general contractors, 22; subcontractors, 29.
 2 All classes, 24; general contractors, 5; subcontractors, 19.

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	
KENTUCKY	321	185	117	\$418,928	955	\$2,427,143	558	\$1,561,463	377	\$875,680	865	734	181	70
Operative builders.....	9	6	4	7,680	11	15,820	9	11,760	2	4,060	11	5	6	-----
General contractors.....	172	130	52	167,721	542	1,438,493	267	834,578	275	603,915	502	449	53	40
Building.....	110	79	32	107,021	267	742,403	149	416,531	118	325,872	245	212	33	22
Building not specialized.....	78	54	24	89,801	237	680,314	132	388,300	105	291,924	215	189	26	22
Residential building only.....	32	25	8	17,220	30	62,089	17	28,141	13	33,943	30	23	7	-----
Highway.....	31	23	12	32,000	147	293,814	54	161,587	93	132,227	147	136	11	-----
Bridge, culvert, and railroad.....	4	2	1	10,000	30	106,284	21	81,498	9	24,786	30	25	5	-----
Grading.....	12	10	3	8,400	26	43,825	9	19,320	17	24,505	24	23	1	2
Street paving.....	11	6	3	7,800	50	180,304	23	114,310	27	65,994	34	32	2	16
Sewer, gas, water, conduit.....	4	1	1	2,500	22	71,863	11	41,332	11	30,531	22	21	1	-----
Subcontractors.....	140	59	61	241,525	382	972,880	282	705,115	100	267,715	352	280	72	30
Concreting and foundation.....	9	7	4	24,956	35	121,154	17	69,565	18	51,589	35	35	-----	-----
Electrical.....	19	3	3	7,329	72	176,487	57	133,878	15	42,579	70	57	13	2
Elevator construction ¹	5	1	-----	-----	17	36,648	12	23,438	5	13,210	13	10	3	4
Heating and plumbing.....	49	24	24	70,672	96	206,896	75	164,317	21	42,570	85	61	24	11
Heating and piping.....	17	8	10	30,119	37	80,682	26	58,463	11	22,219	33	25	8	4
Plumbing.....	28	12	13	38,753	51	110,071	43	95,491	8	14,580	46	32	14	5
Plumbing and heating combined.....	4	4	1	1,800	8	16,143	6	10,363	2	5,780	6	4	2	2
Masonry and stone work.....	10	4	10	44,519	16	38,693	8	20,787	8	17,906	13	11	2	3
Painting and decorating.....	7	3	3	18,619	16	48,414	13	40,804	3	7,610	16	11	5	-----
Glass and glazing.....	3	1	-----	-----	19	49,025	16	36,475	3	12,550	19	10	9	-----
Plastering and lathing.....	5	2	3	30,640	11	34,244	5	11,120	6	23,124	5	4	1	6
Roofing and sheet-metal work.....	20	8	12	37,756	55	125,965	48	107,941	7	18,024	61	43	8	4
Roofing.....	7	2	4	14,673	35	88,623	30	78,099	5	10,524	32	29	3	3
Sheet-metal work.....	6	4	2	6,720	12	26,702	10	19,202	2	7,500	12	8	4	-----
Roofing and sheet metal combined.....	7	2	6	17,363	8	10,640	8	10,640	-----	-----	7	6	1	1
Steel erection.....	4	1	2	7,084	19	57,792	13	39,640	6	18,152	19	18	1	-----
Marble and tiling.....	4	2	-----	-----	11	56,372	7	43,130	4	13,242	11	8	3	-----
Other classes ²	5	3	-----	-----	15	21,170	11	14,020	4	7,150	15	12	3	-----
LOUISVILLE	142	59	39	137,757	512	1,476,539	342	1,002,603	170	473,936	487	397	90	25
Operative builders.....	3	1	1	2,080	6	10,280	5	7,780	1	2,500	6	3	3	-----
General contractors.....	59	34	10	32,570	248	766,039	131	447,139	117	318,850	237	206	31	11
Building.....	47	29	9	22,570	155	478,130	87	283,600	68	194,530	146	126	20	9
Building not specialized.....	29	15	6	15,410	131	425,902	74	268,560	57	167,342	122	106	16	9
Residential building only.....	18	14	3	7,160	24	52,228	13	25,040	11	27,188	24	20	4	-----
Highway and grading.....	4	2	-----	-----	25	44,520	10	15,800	15	28,720	25	21	4	-----
Street paving.....	5	3	-----	-----	29	98,879	11	52,385	18	46,494	27	25	2	2
Other classes ³	3	-----	1	10,000	30	144,510	23	95,404	16	49,106	39	34	5	-----
Subcontractors.....	80	24	23	103,107	258	700,220	206	547,634	52	152,586	244	188	56	14
Concreting.....	4	3	1	3,900	12	52,365	7	36,245	5	16,120	12	12	-----	-----
Electrical.....	14	2	-----	-----	50	137,083	50	113,221	9	24,422	57	46	11	2
Elevator construction ¹	5	1	-----	-----	17	36,648	12	23,438	5	13,210	13	10	3	4
Heating and plumbing.....	23	7	14	44,573	40	108,744	34	89,784	6	16,980	39	25	14	1
Heating and piping.....	11	3	6	16,440	22	57,939	17	43,350	6	14,580	22	15	7	-----
Plumbing.....	12	4	8	28,133	18	48,805	17	46,405	1	2,400	17	10	7	1
Masonry.....	4	-----	3	19,632	8	19,993	5	13,247	3	6,746	5	4	1	3
Painting and decorating.....	4	3	-----	-----	15	47,664	13	40,804	2	6,860	15	10	5	-----
Glass and glazing.....	3	1	-----	-----	19	49,025	16	36,475	3	12,550	19	10	9	-----
Plastering and lathing.....	3	2	1	3,640	5	14,344	3	7,220	2	7,124	4	3	1	1
Roofing and sheet-metal work.....	13	5	7	24,563	47	112,814	40	94,760	7	18,024	44	37	7	3
Roofing.....	4	-----	3	13,113	30	80,152	25	69,628	5	10,524	27	25	2	3
Sheet-metal work.....	6	4	2	5,720	12	26,702	10	19,202	2	7,500	12	8	4	-----
Roofing and sheet metal combined.....	3	1	2	5,720	5	5,960	5	5,960	-----	-----	5	4	1	-----
Steel erection.....	3	-----	-----	-----	18	55,940	13	39,640	5	16,300	18	17	1	-----
Other classes ⁴	4	2	-----	-----	18	67,020	13	52,790	5	14,230	18	14	4	-----

¹ Includes ornamental iron; and metal work, n. e. s.

² Includes carpentering and woodflooring; wrecking; highway; pipe line; and miscellaneous, n. e. s.

³ Includes bridge and culvert; sewer, gas, water, conduit; and railroad.

⁴ Includes plumbing and heating combined.

⁵ Includes wrecking; marble and tiling; and miscellaneous, n. e. s.

CONSTRUCTION—KENTUCKY

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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	Estab-lishments reporting	EQUIPMENT		Value of construction business reported	Wages paid	CLASSIFICATION OF ESTABLISHMENTS AND PERCENTAGE OF EQUIPMENT OWNED	Estab-lishments reporting	EQUIPMENT		Value of construction business reported	Wages paid
		Pur-chased during the year	Inventory value at end of year					Pur-chased during the year	Inventory value at end of year		
KENTUCKY	280	\$860,814	\$3,452,274	\$99,186,257	\$9,577,177	LOUISVILLE	129	\$278,480	\$1,085,083	\$20,558,409	\$4,104,870
<i>Classification of establishments</i>						<i>Classification of establishments</i>					
Operative builders	8	815	2,375	904,060	69,317	Operative builders	3		500	422,800	13,559
General contractors	168	878,000	2,911,730	27,299,423	5,717,121	General contractors	57	245,443	732,365	12,391,822	2,285,963
Building	99	76,547	485,007	14,543,677	2,601,141	Building	45	19,255	233,948	7,830,240	1,262,530
Building not specialized	72	68,883	444,078	12,572,832	2,297,129	Building not specialized	27	17,124	214,347	6,557,090	1,049,297
Residential building only	27	7,664	38,929	1,970,845	304,012	Residential building only	18	2,131	19,601	1,281,641	213,233
Highway	20	448,768	1,347,383	5,397,081	1,306,856	Highway and grading	4	73,750	106,001	700,659	133,645
Bridge, culvert, and railroad	4	58,734	150,370	2,334,433	559,888	Street paving	5	37,379	159,528	900,046	140,985
Grading	11	117,783	399,303	1,113,341	416,158	Other classes ⁴	3	115,959	172,888	2,361,877	728,803
Street paving	11	87,108	368,868	2,630,377	441,791	Subcontractors	69	33,037	332,218	7,744,087	1,825,148
Sewer, gas, water, conduit	4	88,981	100,969	1,260,514	303,787	Concrete	4	4,617	23,213	355,448	108,482
Subcontractors	114	81,093	538,169	10,982,174	2,790,739	Electrical	13	4,091	24,358	1,397,838	305,721
Concreting and foundation	9	20,226	110,111	1,152,093	367,555	Elevator construction ¹	4	1,250	13,066	850,600	122,097
Electrical	14	4,091	24,483	1,435,280	313,177	Heating and plumbing	16	4,702	44,005	1,205,017	276,832
Elevator construction ¹	4	1,250	13,066	850,600	122,097	Heating and piping	9	2,257	31,493	755,199	171,784
Heating and plumbing	37	13,616	97,766	2,399,072	582,197	Plumbing	7	2,445	12,512	449,818	105,048
Heating and piping ²	17	4,911	58,238	1,193,771	270,993	Masonry	3	4,155	18,965	353,348	134,011
Plumbing	20	8,705	39,528	1,200,201	305,204	Painting and decorating	4	2,196	24,254	401,848	204,478
Masonry and stone work	8	7,600	33,659	605,984	228,029	Plastering and lathing	3	2,720	4,138	460,275	185,616
Painting and decorating	7	5,744	20,218	497,774	264,193	Roofing and sheet-metal work	12	7,715	46,693	772,868	185,106
Plastering and lathing	5	4,423	12,070	697,210	301,340	Roofing	4	2,422	17,016	400,395	73,504
Roofing and sheet-metal work	15	8,505	51,689	1,088,105	262,060	Sheet-metal work	8	5,293	29,677	372,463	111,642
Roofing	5	2,672	20,016	452,121	80,557	Marble and tiling	4	200	9,113	951,984	143,023
Sheet-metal work	6	5,293	27,175	316,644	94,953	Ornamental iron	3	1,391	20,400	577,462	122,959
Roofing and sheet metal combined	4	540	4,498	310,340	86,550	Other classes ⁴	3		104,113	412,000	36,224
Steel erection	3	1,017	103,713	383,625	33,946	<i>Percentage of equipment owned</i>					
Marble and tiling	5	450	9,363	983,739	156,061	General contractors ⁴	60	245,443	732,365	12,814,322	2,279,522
Ornamental iron	3	1,391	20,400	577,462	122,959	None	8			737,712	43,860
Other classes ³	4	4,780	31,725	310,511	36,225	1% to 25%	2	1,160	3,000	117,044	35,558
<i>Percentage of equipment owned</i>						26% to 50%	1	1,200	1,830	237,600	34,859
General contractors ⁴	160	878,821	2,914,105	28,204,083	5,786,438	51% to 75%					
None	14			1,109,599	130,210	76% to 99%	5	40,652	121,183	1,094,901	196,872
1% to 25%	5	140,004	111,181	801,688	271,339	100%	41	130,271	520,789	9,514,135	1,889,435
26% to 50%	4	1,950	10,480	686,406	139,859	Not reported	3	66,170	77,063	1,112,930	273,948
51% to 75%	2	25,000	205,300	437,012	124,870	Subcontractors	69	33,037	332,218	7,744,087	1,825,148
76% to 99%	23	100,284	627,768	3,811,104	767,855	None	3			618,155	53,819
100%	113	404,075	1,993,305	10,574,720	3,009,143	76% to 99%	5	5,777	35,193	619,768	222,559
Not reported	5	86,908	90,013	1,668,584	383,162	100%	68	25,215	292,087	6,414,847	1,489,889
Subcontractors	114	81,093	538,169	10,982,174	2,790,739	Not reported	3	2,045	4,908	91,327	20,081
None	0			912,000	150,033						
1% to 25%											
26% to 50%											
51% to 75%											
76% to 99%	0	7,477	53,803	757,740	273,005						
100%	99	69,174	473,488	9,034,991	2,271,362						
Not reported	6	5,342	10,818	270,483	86,689						

¹ Includes metal work, n. e. s.

² Includes plumbing and heating combined.

³ Includes carpentering and woodflooring; highway; pipe line; and miscellaneous, n. e. s.

⁴ Includes operative builders.

⁵ Includes bridge and culvert; sewer, gas, water, conduit; and railroad.

⁶ Includes steel erection; and miscellaneous, n. e. s.

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 during year
		Janu-ary	Febru-ary	March	April	May	June	July	August	Septem-ber	October	Novem-ber	Decem-ber	
KENTUCKY	284	4,163	4,090	5,250	6,412	7,336	7,707	8,888	8,792	8,476	7,758	6,268	4,767	\$8,499,134
<i>Classification of establishments</i>														
Operative builders	5	24	25	55	60	68	99	65	54	43	37	22		71,947
General contractors	149	2,689	2,597	3,623	4,581	5,327	5,736	6,802	6,536	6,367	5,741	4,432	3,202	5,547,417
Building	94	1,591	1,527	2,007	2,129	2,375	2,344	3,007	2,537	2,569	2,380	1,892	1,527	2,650,478
Building not specialized	69	1,437	1,371	1,784	1,836	2,050	1,993	2,663	2,190	2,212	2,076	1,645	1,320	2,272,649
Residential building only	25	154	150	223	293	325	351	354	347	357	304	247	207	407,829
Highway	26	407	475	675	1,072	1,343	1,682	1,826	1,991	1,872	1,488	1,028	615	1,230,920
Bridge, culvert, and railroad	3	227	178	289	391	468	452	508	427	382	455	339	317	498,890
Grading	11	190	199	323	380	394	449	526	534	691	636	405	248	396,405
Street paving	11	121	126	221	493	601	601	640	622	562	532	396	224	430,028
Sewer, gas, water, conduit	4	93	92	108	116	146	208	295	425	391	350	372	271	303,787
Subcontractors	130	1,440	1,498	1,672	1,771	1,941	1,902	1,997	2,101	2,055	1,972	1,799	1,533	2,869,770
Concreting and foundation	9	122	153	214	248	302	311	327	337	399	345	308	147	367,555
Electrical	10	192	208	179	190	205	218	235	239	222	201	158	222	334,059
Elevator construction ¹	5	97	94	97	96	94	92	97	138	139	100	158	128	167,472
Heating and plumbing	46	419	387	372	407	422	428	428	451	438	455	495	409	659,910
Heating and piping ²	19	202	175	152	157	142	158	183	196	185	196	187	172	285,910
Plumbing	27	217	212	220	250	280	268	245	255	263	259	248	287	374,000
Masonry and stone work	9	58	58	74	134	158	171	203	280	191	151	79	79	253,001
Painting and decorating	5	62	76	107	141	140	129	97	82	104	89	88	80	177,242
Plastering and lathing	5	84	106	114	125	184	118	178	152	141	119	82	77	301,340

See footnotes at end of table.

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

CLASSIFICATION OF ESTABLISHMENTS AND LENGTH OF WORKING WEEK	Establishments reporting	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY												Wages paid during year
		January	February	March	April	May	June	July	August	September	October	November	December	
KENTUCKY—Continued.														
<i>Classification of establishments—Contd.</i>														
<i>Subcontractors—Continued.</i>														
Roofing and sheet-metal work.....	21	220	225	218	217	244	243	243	239	218	240	237	215	\$328,463
Roofing.....	8	85	87	88	80	92	96	100	96	93	90	93	74	108,462
Sheet-metal work.....	6	68	70	59	52	61	60	47	58	48	55	47	52	94,953
Roofing and sheet metal combined.....	7	76	68	71	85	91	87	96	85	77	95	97	89	125,048
Steel erection.....	4	28	30	34	48	34	38	40	32	46	32	25	26	50,946
Marble and tiling.....	5	102	89	115	111	99	97	90	91	96	119	110	100	155,510
Other classes ¹	5	47	47	48	54	59	59	61	60	61	61	50	50	68,272
<i>Length of working week</i>														
General contractors ⁴	154	2,713	2,622	3,078	4,641	5,395	5,805	6,871	6,601	6,421	5,784	4,460	3,224	5,610,364
40-hour, 5-day week.....	1	7	7	20	22	25	27	27	27	27	27	21	11	46,458
45-hour, 5-day week.....	1	7	7	20	22	25	27	27	27	27	27	21	11	46,458
50-hour, 5-day week.....	1	7	7	20	22	25	27	27	27	27	27	21	11	46,458
All other 5-day week.....	40	880	945	1,107	1,207	1,273	1,143	1,229	1,127	1,175	1,202	1,035	906	1,492,655
44-hour, 5½-day week.....	1	3	3	4	6	6	6	6	6	6	5	5	4	7,590
49½-hour, 5½-day week.....	9	102	98	121	181	174	170	317	302	259	330	340	213	204,390
55-hour, 5½-day week.....	1	3	3	4	6	6	6	6	6	6	5	5	4	7,590
All other 5½-day week.....	22	320	334	456	549	557	611	616	567	504	397	316	274	560,737
48-hour, 6-day week.....	2	11	11	11	15	15	15	182	207	223	202	30	10	101,000
54-hour, 6-day week.....	14	124	150	179	300	363	363	435	407	336	296	227	117	200,222
60-hour, 6-day week.....	46	988	980	1,487	2,139	2,595	3,141	3,584	3,730	3,535	3,028	2,295	1,527	2,600,020
All other 6-day week.....	4	246	65	249	149	307	235	304	122	273	213	103	142	180,595
All other not designated.....	5	26	29	37	58	68	57	44	54	61	52	30	14	75,602
Not reported.....	1			7	15	12	31	37	52	32	32	52		30,686
Subcontractors.....	130	1,440	1,408	1,572	1,771	1,941	1,902	1,997	2,101	2,055	1,972	1,790	1,533	2,809,770
40-hour, 5-day week.....	25	395	394	414	513	546	488	530	656	583	522	451	455	900,442
45-hour, 5-day week.....	1	3	3	3	3	3	3	4	4	3	4	3	3	6,500
50-hour, 5-day week.....	1	3	3	3	3	3	3	4	4	3	4	3	3	6,500
All other 5-day week.....	54	528	551	564	501	630	655	630	624	607	604	641	558	951,383
44-hour, 5½-day week.....	3	31	29	29	32	31	33	34	31	34	32	35	33	43,250
49½-hour, 5½-day week.....	5	78	70	128	168	190	190	208	230	200	260	237	101	204,960
55-hour, 5½-day week.....	1	3	3	3	3	3	3	4	4	3	4	3	3	6,500
All other 5½-day week.....	21	212	213	231	227	287	288	342	317	266	262	230	196	435,874
48-hour, 6-day week.....	7	53	64	55	70	81	76	77	72	72	64	58	53	90,401
54-hour, 6-day week.....	6	47	57	51	59	54	57	45	51	55	52	51	46	76,549
60-hour, 6-day week.....	3	33	31	38	45	43	42	44	47	41	42	34	27	45,634
All other 6-day week.....	2	18	20	19	22	21	22	24	22	22	20	18	16	25,840
All other not designated.....	3	42	46	40	41	49	48	59	47	43	41	41	45	79,928
Not reported.....	1			7	15	12	31	37	52	32	32	52		30,686
LOUISVILLE														
<i>Classification of establishments</i>														
General contractors ⁴	51	1,136	1,110	1,406	1,770	1,856	1,834	2,059	1,850	1,860	1,754	1,525	1,236	2,106,267
Building.....	40	756	762	882	1,014	950	891	967	819	854	737	696	561	1,117,984
Building not specialized ⁴	27	638	687	774	874	797	731	809	663	693	603	589	474	944,851
Residential building only.....	13	68	75	108	140	153	180	138	150	161	134	107	87	173,133
Highway and grading.....	4	48	55	59	99	154	197	200	178	180	137	112	71	133,645
Street paving.....	4	58	64	111	211	225	204	222	191	203	166	140	99	125,835
Other classes ⁴	3	274	229	354	446	527	542	670	662	640	714	577	505	728,803
Subcontractors.....	70	967	983	1,029	1,168	1,255	1,240	1,266	1,401	1,313	1,222	1,093	1,023	1,825,372
Concrete.....	4	59	58	79	90	118	125	129	141	131	74	62	43	108,482
Electrical.....	12	161	181	149	162	177	186	196	197	185	160	176	188	283,195
Heating and plumbing.....	23	226	189	187	203	216	219	210	242	225	245	223	223	330,212
Heating and piping ²	10	126	98	80	73	64	77	102	115	104	115	108	103	105,840
Plumbing.....	13	100	91	107	130	152	142	114	127	121	130	120	120	164,372
Elevator construction ¹	5	97	94	97	96	94	92	97	138	139	100	158	128	167,472
Masonry.....	4	24	28	36	75	77	99	142	222	147	106	39	48	152,978
Painting and decorating.....	3	47	57	81	108	115	108	83	65	78	77	76	62	137,478
Plastering and lathing.....	3	49	73	80	100	125	70	76	75	90	63	41	42	185,015
Roofing and sheet-metal work.....	14	150	158	145	135	164	166	159	161	142	148	137	129	205,621
Roofing.....	5	68	69	68	61	75	80	85	81	74	69	69	58	82,010
Sheet-metal work.....	6	68	70	59	52	61	60	47	58	48	55	47	52	94,953
Roofing and sheet metal combined.....	3	14	19	18	22	28	26	27	22	20	24	21	19	28,658
Steel erection.....	3	25	25	32	46	50	37	40	29	41	52	25	23	54,424
Marble and tiling.....	4	88	79	101	99	90	89	79	83	86	108	107	91	143,023
Other classes ⁴	4	41	41	42	48	49	49	49	48	49	49	44	44	50,272
<i>Length of working week¹</i>														
General contractors ⁴	51	1,136	1,110	1,406	1,770	1,856	1,834	2,059	1,850	1,860	1,754	1,525	1,236	2,106,267
44-hour, 5½-day week.....	31	739	691	845	1,003	953	815	855	722	845	821	704	615	1,074,499
55-hour, 5½-day week.....	2	4	4	4	15	14	15	13	14	14	20	20	3	10,176
All other 5½-day week.....	5	40	82	87	98	96	86	79	78	65	52	38	39	83,504
54-hour, 6-day week.....	2	11	11	11	12	18	17	17	15	17	12	15	13	9,582
60-hour, 6-day week.....	9	324	300	430	605	754	859	1,061	955	892	821	721	552	867,608
All other not designated.....	2	18	22	29	32	41	42	34	30	27	28	27	14	60,838
Subcontractors.....	70	967	983	1,029	1,168	1,255	1,240	1,266	1,401	1,313	1,222	1,093	1,023	1,825,372
40-hour, 5-day week.....	22	373	376	373	458	498	453	605	637	565	502	428	432	867,357
All other 5-day week.....	1	3	3	3	3	3	3	4	4	3	4	3	3	6,500
44-hour, 5½-day week.....	33	342	354	374	393	415	434	392	407	399	427	402	358	566,259
49½-hour, 5½-day week.....	2	26	25	25	25	26	27	26	24	28	25	27	26	35,803
55-hour, 5½-day week.....	2	23	17	24	41	26	22	19	28	42	27	28	18	30,924
All other 5½-day week.....	8	105	110	128	129	162	181	190	179	169	122	102	93	171,270
48-hour, 6-day week.....	5	42	43	44	54	55	50	50	45	45	49	45	43	58,010
54-hour, 6-day week.....	1	5	5	5	8	9	7	6	5	5	8	9	7	6,096
60-hour, 6-day week.....	3	33	31	38	45	43	42	44	47	41	42	34	27	45,634
All other not designated.....	2	15	19	14	12	18	21	30	25	18	16	15	16	36,919

¹ Includes metal work, n. e. s., and ornamental iron.² Includes plumbing and heating combined.³ Includes glass and glazing; wrecking; highway; and miscellaneous, n. e. s.⁴ Includes operative builders.⁵ Includes bridge and culvert; sewer, gas, water, conduit; and railroad.⁶ Includes glass and glazing; wrecking; and miscellaneous, n. e. s.⁷ For complete classification see tabulation for the State above.

CONSTRUCTION—KENTUCKY

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							
			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 overhead expenses
						Pro- pri- etors and firm mem- bers	Em- ploy- ees	Equip- ment	Offices, etc.				
KENTUCKY	271	\$36,409,739	\$5,130,000	\$7,876,929	\$11,538,295	\$340,969	\$2,144,637	\$340,017	\$107,842	\$183,331	\$133,325	\$237,256	\$2,403,465
Operative builders.....	7	878,160	607,000	62,617	123,773	5,600	15,040		1,650	5,427		333	10,020
General contractors.....	141	24,658,101	7,348,000	5,067,267	6,442,496	146,321	1,234,291	344,316	35,894	134,488	122,147	169,847	1,660,380
Building.....	96	14,760,847	5,868,000	2,709,654	3,945,972	98,821	888,661	5,318	17,862	65,732	25,894	78,237	306,051
Building not specialized.....	08	12,406,507	5,060,000	2,283,656	3,101,524	86,201	636,772	5,318	15,790	45,200	24,500	71,721	264,064
Residential building only.....	28	2,354,340	808,000	425,998	844,448	12,620	51,889		2,063	20,532		804	42,887
Highway.....	22	3,894,285	591,000	897,940	952,632	20,000	208,669	99,982	5,820	27,731	41,615	37,787	678,032
Bridge, culvert, and railroad.....	3	2,301,433	744,000	552,206	340,530	10,000	103,873		4,610	4,224	23,794	23,475	143,902
Grading.....	8	817,657	119,000	205,661	34,964	7,200	27,121	60,094	1,479	7,223	2,830	7,285	160,710
Street paving.....	9	1,744,519	23,000	314,791	707,611	7,800	136,904	173,775	2,912	18,297	15,704	12,801	185,885
Sewer, gas, water, conduit.....	3	1,139,360	3,000	284,109	400,789	2,600	69,163	5,177	3,302	11,281	12,901	10,232	183,961
Subcontractors.....	123	10,873,477	175,000	2,757,046	4,971,994	189,048	805,300	4,671	70,298	43,416	11,178	67,076	793,065
Concreting and foundation.....	9	1,152,003	9,000	367,656	344,650	24,956	121,154	2,855	1,452	8,634	1,050	8,445	117,971
Electrical.....	17	1,590,760	1,000	357,232	793,100	7,329	160,443		12,498	4,041	2,042	6,001	142,855
Elevator construction ¹	0	1,372,072	101,000	223,335	706,216		28,812		2,020	700	1,500	5,567	116,778
Heating and plumbing.....	44	2,753,234	42,000	670,331	1,403,142	61,172	196,496	410	28,574	11,240	3,277	9,538	186,544
Heating and piping.....	16	1,200,971	39,000	263,081	618,605	30,119	77,962		15,551	4,503	2,749	3,865	87,897
Plumbing.....	25	1,373,053	3,000	354,428	696,545	29,253	105,391	410	10,178	5,520	223	5,223	85,965
Plumbing and heating combined.....	3	178,810		52,822	87,992	1,800	13,143		2,745	1,217		305	450
Masonry and stonework.....	9	684,860		265,128	264,546	44,610	38,693	1,209	954	3,038	1,198	6,108	17,124
Painting and decorating.....	7	407,774		264,193	91,820	18,610	48,414	200	6,648	2,332		297	4,046
Plastering and lathing.....	4	502,210	5,000	205,261	218,046	3,640	16,744		515	1,687	645	5,512	21,507
Roofing and sheet-metal work.....	10	887,962	2,000	197,018	374,112	28,813	118,945		5,092	4,893	269	8,521	71,860
Roofing.....	7	513,248	2,000	100,016	218,398	14,073	88,623		2,118	3,094	269	5,216	39,310
Sheet-metal work.....	5	215,303		53,697	85,294	5,720	20,462		880	1,854		2,049	19,435
Roofing and sheet metal combined.....	4	159,411		43,306	70,420	8,420	9,800		2,994	1,361		1,256	13,105
Steel erection.....	3	422,000		54,424	240,000		55,940		420	1,565		5,576	33,044
Marble and tiling.....	3	405,684		79,726	179,620		54,370		3,976	345		2,602	19,650
Other classes ²	5	605,028	15,000	72,842	361,652		49,295		8,250	4,320		4,140	32,074
LOUISVILLE	132	20,300,936	4,500,000	4,085,177	6,598,756	123,177	1,417,807	195,825	64,301	97,480	63,778	133,204	1,237,406
General contractors ³	57	12,679,817	4,352,000	2,240,737	2,932,349	29,570	790,887	191,596	17,087	70,763	53,838	81,583	683,239
Building.....	46	8,136,950	3,752,000	1,263,384	1,750,850	19,570	476,098	2,050	10,060	42,300	6,707	38,981	189,606
Building not specialized ⁴	29	6,935,409	3,308,000	1,056,151	1,347,333	15,410	434,070	2,050	8,483	25,144	6,184	34,622	164,370
Residential building only.....	17	1,201,541	444,000	197,233	403,526	4,160	42,028		1,677	17,162	5,223	4,359	25,225
Highway and grading.....	3	590,944		123,556	240,184		41,400	18,305	750	6,750	3,815	7,736	97,975
Street paving.....	5	990,946	23,000	140,985	334,800		98,879	169,674	940	11,493	13,285	6,207	106,360
Other classes ⁴	3	2,861,877	577,000	728,803	608,500	10,000	144,510	1,537	5,837	11,214	30,031	28,599	289,300
Subcontractors.....	75	7,721,119	148,000	1,838,440	3,667,407	93,607	656,920	4,259	47,214	26,703	9,040	51,621	554,167
Concreting.....	4	355,448		108,482	129,410	3,900	52,365	2,783	450	551	1,050	3,117	22,702
Electrical.....	13	1,376,614	1,000	304,923	706,454	6,809	132,939		8,028	3,455	2,700	5,394	118,523
Elevator construction ¹	0	1,372,072	101,000	223,335	706,216		28,812		2,020	709	1,600	5,567	116,778
Heating and plumbing.....	21	1,423,988	41,000	331,581	712,395	35,073	103,144	410	14,584	6,497	2,592	5,354	102,459
Heating and piping ⁵	11	879,416	39,000	200,467	441,151	16,440	57,939		10,243	4,594	2,592	3,068	75,699
Plumbing.....	10	544,570	2,000	131,114	271,244	18,633	45,205	410	4,341	1,903		2,286	26,760
Masonry.....	4	412,313		152,978	171,947	10,632	19,939	886	330	3,160	1,178	3,954	8,123
Painting and decorating.....	4	401,348		264,478	81,871		47,664	200	6,000	1,826		4,015	30,199
Plastering and lathing.....	3	406,275	5,000	185,015	203,541	3,640	14,344		516	1,687	645	5,241	20,641
Roofing and sheet-metal work.....	12	721,517		155,919	308,134	24,553	106,574		3,872	3,343	269	7,132	57,728
Roofing.....	4	400,395		73,594	173,920	13,113	80,152		1,858	1,454	269	4,204	29,340
Sheet-metal work.....	5	215,303		53,697	85,294	5,720	20,462		880	1,854		2,049	19,435
Roofing and sheet metal combined.....	3	105,819		28,588	48,920	5,720	5,900		1,134	35		920	8,953
Steel erection.....	3	422,000		54,424	240,000		55,940		420	1,665		5,576	33,044
Other classes ⁶	5	769,540		110,705	407,439		95,145		10,995	3,914		6,221	43,965

¹ Includes ornamental iron; and metal work, n. e. s.
² Includes glass and glazing; wrecking; highway; pipe line; and miscellaneous, n. e. s.
³ Includes operative builders.
⁴ Includes bridge and culvert; sewer, gas, water, conduit; and railroad.
⁵ Includes plumbing and heating combined.
⁶ Includes glass and glazing; marble and tiling; and miscellaneous, n. e. s.

CONSTRUCTION—KENTUCKY

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		
KENTUCKY						LOUISVILLE					
All kinds of material.....	\$13,371,568		\$404.17	\$7,888,922	\$5,932,646	All kinds of material.....	\$7,387,400		\$426.38	\$3,085,360	\$4,302,040
Distribution not reported.....	3,452,430	24.9		2,376,799	1,075,640	Distribution not reported.....	1,458,741	19.7		777,076	681,665
Distributed by kind.....	10,419,129	100.0		5,512,123	4,907,006	Distributed by kind.....	5,928,659	100.0		2,308,284	3,620,375
Sand, gravel, stone, slag, cinders, etc.	1,382,101	13.3	53.61	1,229,100	153,001	Sand, gravel, stone, slag, cinders, etc.	555,040	9.4	30.96	405,617	60,423
Brick (face, common, fire, paving, etc.)	442,021	4.2	17.14	273,171	168,850	Brick (face, common, fire, paving, etc.)	226,003	3.8	16.25	107,813	118,190
Tile (fireproofing)	31,012	.3	1.20	22,448	8,564	Tile (fireproofing)	21,552	.4	1.55	13,702	7,790
Tile, facing, terra cotta, floor, and wall	148,418	1.4	5.76	32,574	115,844	Tile, facing, terra cotta, floor, and wall	114,233	1.9	8.22	14,190	100,037
Concrete and cinder block	60,432	.6	2.34	60,327	105	Concrete and cinder block	3,226	.1	.23	3,121	105
Cut stone, granite and marble	126,884	1.2	4.92	124,831	2,053	Cut stone, granite and marble	62,800	1.1	4.52	60,807	1,993
Riprap, rubble, etc.	3,050	(*)	.12	3,050		Riprap, rubble, etc.	1,850	(*)	.13	1,850	
Cement	1,045,356	10.0	40.55	899,493	145,863	Cement	449,048	7.6	32.29	372,504	76,544
Lime	23,176	.2	.90	6,529	16,647	Lime	8,042	.1	.58	2,998	5,044
Plaster, etc.	309,284	3.0	12.00	93,124	216,160	Plaster, etc.	215,463	3.6	15.49	33,203	182,260
Structural steel	312,863	3.0	12.14	97,779	215,084	Structural steel	223,928	3.8	16.10	22,119	201,809
Reinforcing steel	232,527	2.2	9.02	211,126	21,401	Reinforcing steel	82,869	1.4	5.96	72,113	10,756
Cast iron, miscellaneous, excluding pipe	43,287	.4	1.68	20,126	23,161	Cast iron, miscellaneous, excluding pipe	33,670	.6	2.42	10,500	23,161
Metal doors, windows, and trim	38,306	.4	1.49	20,252	18,054	Metal doors, windows, and trim	23,835	.4	1.71	6,105	17,730
Metal and wire lath and furring	22,198	.2	.86	10,917	11,281	Metal and wire lath and furring	14,223	.2	1.02	4,222	10,001
Ornamental metal work	298,209	2.6	10.40	17,199	281,010	Ornamental metal work	248,154	4.2	17.85	800	247,354
Lumber, rough and finished	636,845	6.1	24.70	617,545	19,300	Lumber, rough and finished	312,220	5.3	22.45	297,720	14,500
Lath, shingles, and shakes (wood)	44,784	.4	1.74	21,710	23,074	Lath, shingles, and shakes (wood)	16,793	.3	1.21	15,719	1,074
Millwork	411,336	3.9	15.96	404,966	6,370	Millwork	145,063	2.4	10.43	138,893	6,170
Composition board	23,525	.2	.91	15,783	7,742	Composition board	17,270	.3	1.24	9,617	7,653
Waterproofing materials	3,801	(*)	.15	3,457	344	Waterproofing materials	1,067	(*)	.08	723	344
Hardware, rough and finished	99,962	1.0	3.88	89,683	10,279	Hardware, rough and finished	52,334	.9	3.70	43,889	8,445
Paints, varnishes, glass	511,901	4.9	19.86	41,610	470,391	Paints, varnishes, glass	474,071	8.0	34.09	13,804	460,267
Roofing and sheet metal	526,492	5.1	20.42	81,565	444,927	Roofing and sheet metal	275,069	4.7	19.85	10,111	265,858
Finished flooring (other than cement, wood, or tile)	23,938	.2	.93	22,438	1,500	Finished flooring (other than cement, wood, or tile)	13,730	.2	.99	12,230	1,500
Screens, shades, awnings, etc.	29,831	.3	1.16	7,033	22,798	Screens, shades, awnings, etc.	28,128	.5	2.02	5,330	22,798
Heating and ventilating equipment	682,745	6.6	28.49	90,635	592,110	Heating and ventilating equipment	448,319	7.6	32.24	47,964	400,355
Plumbing and gas fitting equipment	775,418	7.4	30.08	64,973	710,445	Plumbing and gas fitting equipment	327,670	5.5	23.56	4,000	323,670
Electrical appliances and supplies	662,643	6.3	25.32	10,188	633,457	Electrical appliances and supplies	641,675	9.1	38.96	5,150	636,525
Elevators, dumb-waiters, and equipment	425,548	4.1	16.51	6,400	419,148	Elevators, dumb-waiters, and equipment	410,148	7.1	30.15		410,148
Pipe: Drain tile, vitrified, concrete, segment tile, corrugated	428,627	4.1	16.63	418,167	10,460	Pipe: Drain tile, vitrified, concrete, segment tile, corrugated	190,446	3.2	13.70	184,196	6,250
Pipe: Cast-iron, sheet and tube steel, etc.	125,969	1.2	4.80	75,407	50,562	Pipe: Cast-iron, sheet and tube steel, etc.	75,441	1.3	5.42	26,001	49,440
Wire cable, guards, and fencing	4,701	(*)	.18	2,701	2,000	Wire cable, guards, and fencing	4,167	.1	.30	2,167	2,000
Bituminous paving materials, tar, asphalt, and oil	424,537	4.1	16.47	338,537	86,000	Bituminous paving materials, tar, asphalt, and oil	268,001	4.4	18.56	238,001	30,000
Wood piling and timber	5,738	.1	.22	5,738		Wood piling and timber	4,373	.1	.32	4,373	
Freight, hauling or trucking to job	7,940	.1	.31	7,940		Freight, hauling or trucking to job					
Metal products, n. e. s. (including metal furniture)	15,134	.1	.59		15,134	Metal products, n. e. s. (including metal furniture)	15,134	.3	1.09		15,134
Mineral products (nonmetallic), n. e. s.	500	(*)	.02	500		Mineral products (nonmetallic), n. e. s.	500	(*)	.03		500
Textiles and calking materials	500	(*)	.02		500	Textiles and calking materials	22,995	.4	1.03	17,257	5,738
Miscellaneous	67,592	.6	2.62	56,503	11,089	Miscellaneous					

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

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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	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			
KENTUCKY						KENTUCKY—Continued												
<i>Sand, gravel, stone, slag, cinders, etc.²</i>						<i>Cement—Continued</i>												
All classes.....	\$10,410,120	\$1,382,101	100.0	13.3	\$29,970,516	70.2	Subcontractors—Continued. Roofing and sheet-metal work.....	\$514,082	\$250	(0)	(0)	\$1,187,207	99.8					
General contractors ³	5,512,123	1,220,100	88.9	22.3	10,424,327	71.0	Sheet-metal work.....	123,219	250	(0)	0.2	310,644	100.0					
Building.....	2,701,288	233,324	10.9	9.0	9,822,255	59.8	Stone work.....	4,447	2,898	0.3	65.2	25,100	100.0					
Building not specialized ³	2,110,826	193,828	14.2	8.3	8,063,773	58.9	Marble and tiling.....	164,448	4,510	.4	2.9	350,948	100.0					
Commercial building only.....	41,957	757	.1	1.8	237,000	55.4	<i>Plaster, etc.</i>											
Residential building only.....	548,505	35,739	2.6	6.1	1,520,882	65.0	All classes.....	10,410,120	309,284	100.0	3.0	29,970,516	79.2					
Highway.....	1,262,217	518,096	37.6	41.1	4,151,550	83.8	General contractors ³	5,512,123	93,124	30.1	1.7	10,424,327	71.0					
Bridge and culvert.....	233,691	61,241	4.4	26.2	1,569,223	69.3	Building.....	2,701,288	93,124	30.1	3.4	9,822,255	59.8					
Grading.....	31,225	5,187	.4	16.0	384,005	88.1	Building not specialized ³	2,110,826	80,377	26.0	3.8	8,063,773	58.9					
Street paving.....	739,131	278,293	20.1	37.7	1,818,726	95.0	Residential building only.....	548,505	12,747	4.1	2.3	1,520,882	65.0					
Sewer, gas, water, conduit.....	493,993	111,228	8.0	22.5	1,266,514	90.8	Highway.....	1,262,217	6,059	2.2	1.0	4,151,550	83.8					
Railroad.....	50,578	20,831	1.5	41.2	411,394	62.8	<i>Structural steel</i>											
<i>Subcontractors.....</i>						4,907,006	153,001	11.1	3.1	10,546,189	98.6	All classes.....	10,410,120	312,863	100.0	3.0	29,970,516	79.2
Concrete.....	209,650	103,732	7.5	38.5	904,021	99.6	General contractors ³	5,512,123	97,779	31.3	1.8	10,424,327	71.0					
Electrical.....	844,129	200	(0)	(0)	1,005,071	99.9	Building.....	2,701,288	90,820	29.0	3.4	9,822,255	59.8					
Heating and plumbing.....	1,147,788	50	(0)	(0)	2,252,307	98.6	Building not specialized ³	2,110,826	85,487	27.8	4.0	8,063,773	58.9					
Plumbing.....	724,504	50	(0)	(0)	1,422,339	99.8	Residential building only.....	548,505	5,333	1.7	1.0	1,520,882	65.0					
Masonry.....	207,529	11,848	.9	5.7	535,884	100.0	Highway.....	1,262,217	6,059	2.2	2.6	4,151,550	83.8					
Plastering and lathing.....	273,046	12,047	.9	4.4	697,210	99.3	<i>Reinforcing steel</i>											
Roofing and sheet-metal work.....	4,514,082	250	(0)	(0)	1,187,267	99.8	All classes.....	10,410,120	232,527	100.0	2.2	29,970,516	79.2					
Sheet-metal work.....	123,219	250	(0)	.2	310,644	100.0	General contractors ³	5,512,123	211,126	90.8	3.8	10,424,327	71.0					
Stone work.....	4,447	1,249	.1	28.1	25,100	100.0	Building.....	2,701,288	74,104	31.9	2.7	9,822,255	59.8					
Marble and tiling.....	164,448	2,468	.2	1.6	350,948	100.0	Building not specialized ³	2,110,826	72,412	31.1	3.4	8,063,773	58.9					
Highway.....	89,167	21,157	1.5	23.7	109,021	91.2	Residential building only.....	548,505	1,782	.8	.3	1,520,882	65.0					
<i>Brick (face, common, fire, paving, etc.)</i>						4,907,006	168,850	38.2	3.4	10,546,189	98.6	Highway.....	1,262,217	60,906	26.2	4.8	4,151,550	83.8
All classes.....	10,410,120	442,021	100.0	4.2	29,970,516	70.2	Concrete.....	209,650	200	.1	.1	904,021	99.6					
General contractors ³	5,512,123	273,171	61.8	5.0	10,424,327	71.0	Elevator construction.....	425,750	1,000	.3	.2	713,487	85.8					
Building.....	2,701,288	259,273	58.7	9.0	9,822,255	59.8	Masonry.....	207,529	809	.3	.4	535,884	100.0					
Building not specialized ³	2,110,826	212,890	48.2	10.1	8,063,773	58.9	Steel erection.....	218,975	213,975	68.1	97.3	353,625	100.0					
Commercial building only.....	41,957	8,100	1.8	19.3	237,000	55.4	<i>Ornamental metal work</i>											
Residential building only.....	548,505	38,283	8.7	7.0	1,520,882	65.0	All classes.....	10,410,120	268,209	100.0	2.6	29,970,516	79.2					
Highway.....	1,262,217	5,580	1.3	.4	4,151,550	83.8	General contractors ³	5,512,123	17,199	6.4	.3	10,424,327	71.0					
Street paving.....	739,131	404	.1	1.1	1,818,726	95.0	Building.....	2,701,288	17,199	6.4	.6	9,822,255	59.8					
Sewer, gas, water, conduit.....	493,993	7,846	1.8	1.0	1,266,514	90.8	Building not specialized ³	2,110,826	10,697	6.2	.8	8,063,773	58.9					
<i>Subcontractors.....</i>						4,907,006	168,850	38.2	3.4	10,546,189	98.6	Residential building only.....	548,505	502	.2	.1	1,520,882	65.0
Concrete.....	209,650	4,000	.9	1.5	904,021	99.6	Highway.....	1,262,217	60,906	26.2	4.8	4,151,550	83.8					
Heating and plumbing.....	1,147,788	700	.2	.1	2,252,307	98.6	Bridge and culvert.....	233,691	29,352	12.6	12.6	1,569,223	69.3					
Heating and piping.....	423,284	700	.2	.2	829,998	96.9	Grading.....	31,225	8,823	3.6	26.7	384,665	88.1					
Masonry.....	207,529	153,321	35.8	76.3	535,884	100.0	Street paving.....	739,131	25,970	11.2	3.5	1,818,726	95.0					
Marble and tiling.....	164,448	5,829	1.3	3.8	350,948	100.0	Sewer, gas, water, conduit.....	493,993	8,871	3.8	1.8	1,266,514	90.8					
<i>Tile, facing, terra cotta, floor, and wall</i>						4,907,006	168,850	38.2	3.4	10,546,189	98.6	Railroad.....	50,578	3,470	1.6	6.9	411,394	62.8
All classes.....	10,410,120	148,418	100.0	1.4	29,970,516	79.2	Concrete.....	209,650	21,156	9.1	7.8	904,021	99.6					
General contractors ³	5,512,123	82,574	21.9	.6	19,162,417	72.2	Steel erection.....	218,975	245	.1	.1	353,625	100.0					
Building.....	2,701,288	32,574	21.9	1.3	9,500,346	61.4	<i>Ornamental metal work</i>											
Building not specialized ³	2,110,826	16,911	11.4	.8	7,801,868	60.8	All classes.....	10,410,120	268,209	100.0	2.6	29,970,516	79.2					
Commercial building only.....	41,957	5,100	3.4	12.2	237,000	55.4	General contractors ³	5,512,123	17,199	6.4	.3	10,424,327	71.0					
Residential building only.....	548,505	10,593	7.1	1.9	1,520,882	65.0	Building.....	2,701,288	17,199	6.4	.6	9,822,255	59.8					
Highway.....	1,262,217	5,580	1.3	.4	4,151,550	83.8	Building not specialized ³	2,110,826	10,697	6.2	.8	8,063,773	58.9					
Bridge and culvert.....	233,691	89,869	8.6	38.5	1,569,223	69.3	Residential building only.....	548,505	502	.2	.1	1,520,882	65.0					
Grading.....	31,225	11,261	1.1	36.1	384,665	88.1	Highway.....	1,262,217	60,906	26.2	4.8	4,151,550	83.8					
Street paving.....	739,131	240,712	23.0	32.0	1,818,726	95.0	Bridge and culvert.....	233,691	29,352	12.6	12.6	1,569,223	69.3					
Sewer, gas, water, conduit.....	493,993	78,704	7.5	15.6	1,266,514	90.8	Grading.....	31,225	2,592	.4	8.5	384,665	88.1					
Railroad.....	50,578	17,359	1.7	34.3	411,394	62.8	Street paving.....	739,131	2,875	.6	.4	1,818,726	95.0					
<i>Subcontractors.....</i>						4,907,006	145,863	14.0	3.0	10,546,189	98.6	Sewer, gas, water, conduit.....	493,993	4,356	.7	.9	1,266,514	90.8
Concrete.....	209,650	121,607	11.6	45.1	904,021	99.6	Railroad.....	50,578	8,778	1.4	17.4	411,394	62.8					
Electrical.....	844,129	501	(0)	.1	1,005,071	99.9	<i>Lumber, rough and finished</i>											
Heating and plumbing.....	1,147,788	(0)	(0)	(0)	2,252,307	98.6	All classes.....	10,410,120	636,845	100.0	6.1	29,970,516	79.2					
Plumbing.....	724,504	520	(0)	.1	1,422,339	99.8	General contractors ³	5,512,123	617,545	97.0	11.2	10,424,327	71.0					
Masonry.....	207,529	15,034	7.4	7.2	535,884	100.0	Building.....	2,701,288	532,071	83.5	19.7	9,822,255	59.8					
Plastering and lathing.....	273,046	537	.1	.2	697,210	99.3	Building not specialized ³	2,110,826	308,809	48.6	14.6	8,063,773	58.9					

See footnotes at end of table.

CONSTRUCTION—KENTUCKY

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		
KENTUCKY—Continued						KENTUCKY—Continued							
<i>Lumber, rough and finished—Continued</i>						<i>Heating and ventilating equipment—Continued</i>							
Subcontractors.....	\$4,907,006	\$19,300	3.0	0.4	\$10,546,189	98.6	Subcontractors.....	\$4,907,006	\$502,110	86.7	12.1	\$10,546,189	98.6
Concreting.....	269,650	12,900	2.0	4.8	904,021	99.0	Electrical.....	844,129	161,710	23.7	19.2	1,065,071	99.9
Electrical.....	844,129	650	.1	.1	1,665,071	99.9	Heating and plumbing.....	1,147,788	383,557	56.2	33.4	2,252,307	98.6
Heating and plumbing.....	1,147,788	5,050	.8	.4	2,252,307	98.6	Heating and piping.....	423,284	285,400	41.8	67.4	820,008	96.9
Plumbing.....	724,504	5,050	.8	.7	1,422,339	99.8	Plumbing.....	724,504	93,167	14.4	13.5	1,422,339	99.8
Roofing and sheet-metal work.....	514,082	700	.1	.1	1,187,267	99.8	Masonry.....	207,520	165	(^o)	.1	535,884	100.0
Sheet-metal work.....	123,219	700	.1	.6	816,644	100.0	Roofing and sheet-metal work.....	514,082	40,078	6.8	9.1	1,187,267	99.8
							Roofing.....	209,675	40,000	5.9	10.1	494,297	99.6
							Roofing and sheet metal combined.....	181,188	6,078	1.0	3.7	376,326	100.0
<i>Millwork</i>						<i>Plumbing and gas-fitting equipment ²</i>							
All classes.....	10,419,129	411,336	100.0	3.9	29,970,516	79.2	All classes.....	10,419,129	775,416	100.0	7.4	29,970,516	79.2
General contractors ³	5,512,123	404,966	98.5	7.3	19,424,327	71.0	General contractors ³	5,512,123	64,673	8.3	1.2	19,424,327	71.0
Building.....	2,701,288	404,966	98.5	15.0	9,822,255	59.8	Building.....	2,701,288	63,107	8.2	2.3	9,822,255	59.8
Building not specialized ⁴	2,110,826	332,232	30.8	15.7	8,063,773	58.9	Building not specialized ⁴	2,110,826	36,815	4.7	1.7	8,063,773	58.9
Residential building only.....	41,857	17,500	4.3	41.7	237,600	55.4	Residential building only.....	548,505	26,382	3.4	4.8	1,520,882	65.0
Commercial building only.....	548,505	56,234	13.4	10.1	1,520,882	65.0	Street paving.....	739,131	1,476	.2	.2	1,818,726	95.0
Subcontractors.....	4,907,006	6,370	1.5	.1	10,546,189	98.6							
Concreting.....	269,650	(^o)	.0	.1	904,021	99.6	Subcontractors.....	4,907,006	710,748	91.7	14.6	10,546,189	98.6
Elevator construction.....	425,750	1,300	.3	.3	713,487	85.8	Heating and plumbing.....	1,147,788	706,798	61.1	61.6	2,252,307	98.6
Heating and plumbing.....	1,147,788	1,000	.2	.1	2,252,307	98.6	Heating and piping.....	423,284	98,000	12.6	23.2	820,008	96.9
Plumbing.....	724,504	1,000	.2	.1	1,422,339	99.8	Plumbing.....	724,504	608,678	78.5	84.0	1,422,339	99.8
Roofing and sheet-metal work.....	514,082	870	.2	.2	1,187,267	99.8	Roofing and sheet-metal work.....	514,082	3,875	.5	.8	1,187,267	99.8
Sheet-metal work.....	123,219	870	.2	.7	816,644	100.0	Roofing.....	209,675	3,875	5.8	1.5	494,297	99.6
Metal work, n. e. s.....	63,426	3,000	.7	4.7	137,022	100.0	Metal work, n. e. s.....	63,426	100	(^o)	.2	137,022	100.0
<i>Paints, varnishes, glass</i>						<i>Electrical appliances and supplies</i>							
All classes.....	10,419,129	511,901	100.0	4.9	29,970,516	79.2	All classes.....	10,419,129	652,643	100.0	6.3	29,970,516	79.2
General contractors ³	5,512,123	41,510	8.1	.8	19,424,327	71.0	General contractors ³	5,512,123	19,186	2.9	.7	19,424,327	71.0
Building.....	2,701,288	41,510	8.1	1.6	9,822,255	59.8	Building.....	2,701,288	19,186	2.9	.7	9,822,255	59.8
Building not specialized ⁴	2,110,826	33,337	6.5	1.6	8,063,773	58.9	Building not specialized ⁴	2,110,826	8,367	1.3	.4	8,063,773	58.9
Residential building only.....	548,505	7,873	1.5	1.4	1,520,882	65.0	Residential building only.....	548,505	10,829	1.7	2.0	1,520,882	65.0
Sewer, gas, water, conduit.....	403,993	300	.1	.1	1,260,514	99.8							
Subcontractors.....	4,907,006	470,391	91.9	9.6	10,546,189	98.6	Subcontractors.....	4,907,006	633,487	97.1	12.9	10,546,189	98.6
Electrical.....	844,129	1,050	.2	.1	1,665,071	99.9	Electrical.....	844,129	626,368	96.0	74.2	1,065,071	99.9
Elevator construction.....	425,750	100	(^o)	(^o)	713,487	85.8	Elevator construction.....	425,750	750	.1	.2	713,487	85.8
Painting and decorating.....	91,820	90,220	17.6	98.3	456,614	100.0	Heating and plumbing.....	1,147,788	6,339	1.0	.9	2,252,307	98.6
Glass and glazing.....	359,275	359,275	70.2	100.0	520,250	100.0	Plumbing.....	724,504	6,339	1.0	.9	1,422,339	99.8
Roofing and sheet-metal work.....	514,082	2,425	.5	.5	1,187,267	99.8							
Roofing.....	209,675	168	(^o)	.1	494,297	99.6							
Sheet-metal work.....	123,219	1,500	.3	1.2	316,644	100.0							
Roofing and sheet metal combined.....	181,188	767	.1	.4	376,326	100.0							
Steel erection.....	218,975	168	(^o)	.1	353,625	100.0							
Marble and tiling.....	154,448	15,792	3.1	10.2	350,948	100.0							
Metal work, n. e. s.....	63,426	1,354	.3	2.1	137,022	100.0							
<i>Roofing and sheet metal</i>						<i>Elevators, dumb-waiters, and equipment</i>							
All classes.....	10,419,129	526,402	100.0	5.1	29,970,516	79.2	All classes.....	10,419,129	425,548	100.0	4.1	29,970,516	79.2
General contractors ³	5,512,123	81,565	15.5	1.6	19,424,327	71.0	General contractors.....	5,512,325	6,400	1.5	.1	19,162,417	72.2
Building.....	2,701,288	81,393	15.5	3.0	9,822,255	59.8	Building.....	2,601,490	6,400	1.5	.2	9,550,345	61.4
Building not specialized ⁴	2,110,826	62,795	11.9	3.0	8,063,773	58.9	Building not specialized.....	2,011,028	6,400	1.5	.3	7,801,863	60.8
Residential building only.....	548,505	13,598	3.5	3.4	1,520,882	65.0							
Highway.....	1,262,217	172	(^o)	(^o)	4,151,560	83.8	Subcontractors.....	4,907,006	410,148	98.5	8.5	10,546,189	98.6
Subcontractors.....	4,907,006	444,027	84.5	9.1	10,546,189	98.6	Elevator construction.....	425,750	414,000	97.3	97.2	713,487	85.8
Heating and plumbing.....	1,147,788	13,540	2.6	1.2	2,252,307	98.9	Metal work, n. e. s.....	63,426	5,148	1.2	8.1	137,022	100.0
Heating and piping.....	423,284	13,540	2.6	3.2	829,968	99.0							
Roofing and sheet-metal work.....	514,082	422,181	80.2	82.1	1,187,267	99.8							
Roofing.....	209,675	139,409	26.5	66.5	494,297	99.6							
Sheet-metal work.....	123,219	110,374	21.0	89.6	316,644	100.0							
Roofing and sheet metal combined.....	181,188	172,398	32.7	95.1	376,326	100.0							
Metal work, n. e. s.....	63,426	9,200	1.7	14.5	137,022	100.0							
<i>Heating and ventilating equipment</i>						<i>Pipe: Drain tile, vitrified, concrete, segment tile, corrugated</i>							
All classes.....	10,419,129	682,745	100.0	6.6	29,970,516	79.2	All classes.....	10,419,129	428,627	100.0	4.1	29,970,516	79.2
General contractors ³	5,512,123	90,635	13.3	1.6	19,424,327	71.0	General contractors.....	5,512,123	418,167	97.6	7.0	19,424,327	71.0
Building.....	2,701,288	90,635	13.3	3.4	9,822,255	59.8	Building.....	2,701,288	26,188	6.1	1.2	9,822,255	59.8
Building not specialized ⁴	2,110,826	73,754	10.8	3.5	8,063,773	58.9	Building not specialized.....	2,110,826	24,928	5.8	1.2	8,063,773	58.9
Residential building only.....	548,505	16,881	2.5	3.1	1,520,882	65.0	Residential building only.....	548,505	1,200	.3	.2	1,520,882	65.0
Subcontractors.....	4,907,006	444,027	84.5	9.1	10,546,189	98.6	Highway.....	1,262,217	134,610	31.4	2.7	4,151,560	83.8
Heating and plumbing.....	1,147,788	13,540	2.6	1.2	2,252,307	98.9	Bridge and culvert.....	235,691	5,892	1.4	.7	1,569,223	69.3
Heating and piping.....	423,284	13,540	2.6	3.2	829,968	99.0	Grading.....	31,225	8,213	.7	3.3	384,665	88.1
Roofing and sheet-metal work.....	514,082	422,181	80.2	82.1	1,187,267	99.8	Street paving.....	739,131	24,638	5.7	3.3	1,818,726	95.0
Roofing.....	209,675	139,409	26.5	66.5	494,297	99.6	Sewer, gas, water, conduit.....	493,993	229,726	52.2	45.3	1,260,514	99.8
Sheet-metal work.....	123,219	110,374	21.0	89.6	316,644	100.0							
Roofing and sheet metal combined.....	181,188	172,398	32.7	95.1	376,326	100.0							
Metal work, n. e. s.....	63,426	9,200	1.7	14.5	137,022	100.0							
<i>Heating and ventilating equipment</i>						<i>Stone work</i>							
All classes.....	10,419,129	682,745	100.0	6.6	29,970,516	79.2	All classes.....	10,419,129	10,460	2.4	.2	10,546,189	98.6
General contractors ³	5,512,123	90,635	13.3	1.6	19,424,327	71.0	Electrical.....	844,129	3,650	.9	.4	1,065,071	99.9
Building.....	2,701,288	90,635	13.3	3.4	9,822,255	59.8	Heating and plumbing.....	1,147,788	6,110	1.0	.6	2,252,307	98.6
Building not specialized ⁴	2,110,826	73,754	10.8	3.5	8,063,773	58.9	Heating and piping.....	423,284	2,600	.6	.6	829,968	99.9
Residential building only.....	548,505	16,881	2.5	3.1	1,520,882	65.0	Plumbing.....	724,504	2,110	1.0	.6	1,422,339	99.8
							Stone work.....	4,447	100	(^o)	2.2	25,100	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				
KENTUCKY—Continued						LOUISVILLE—Continued							
<i>Bituminous paving materials, tar, asphalt, and oil</i>						Cement—Continued							
All classes.....	\$10,419,129	\$424,537	100.0	4.1	\$29,070,516	79.2	Subcontractors.....	\$3,020,375	\$76,544	17.0	2.1	\$7,549,773	98.3
General contractors.....	4,512,325	336,537	79.3	0.2	19,102,417	72.2	Concreteing.....	129,410	57,807	12.9	44.7	355,448	100.0
Building.....	2,601,490	10,368	2.4	.4	9,560,346	31.4	Electrical.....	747,197	501	.1	.1	1,442,614	99.9
Building not specialized.....	2,011,028	10,368	2.4	.5	7,801,863	30.8	Heating and plumbing.....	582,086	500	.1	.1	1,600,693	97.4
Highway.....	1,202,217	243,204	57.8	19.3	4,151,650	33.8	Plumbing.....	235,244	500	.1	.2	619,570	99.7
Bridge and culvert.....	233,691	14,027	3.3	0.0	1,569,223	60.3	Masonry.....	142,284	12,078	2.8	8.8	353,348	100.0
Street paving.....	739,131	68,863	16.2	9.3	1,818,729	95.0	Plastering and lathing.....	203,541	537	.1	.3	466,275	98.9
Sewer, gas, water, conduit.....	493,993	76	0.0	0.0	1,266,514	99.8	Roofing and sheet-metal work.....	333,059	250	.1	.1	805,633	100.0
Subcontractors.....	4,907,000	88,000	20.7	1.8	10,540,189	98.6	Sheet-metal work.....	123,219	250	.1	.2	316,044	100.0
Roofing and sheet-metal work.....	514,082	20,000	4.7	3.9	1,187,207	99.8	Marble and tiling.....	138,992	4,271	1.0	3.1	319,193	100.0
Roofing.....	209,875	20,000	4.7	9.5	494,207	99.6	Plaster, etc.						
Highway.....	80,187	68,000	16.0	76.3	169,921	91.2	All classes.....	5,928,659	215,463	100.0	3.6	16,915,681	79.2
LOUISVILLE						General contractors³							
<i>Sand, gravel, stone, slag, cinders, etc.²</i>						Building.....							
All classes.....	5,928,659	555,940	100.0	9.4	16,915,681	79.2	Building not specialized.....	1,067,083	33,203	15.4	3.1	4,928,326	54.6
General contractors ³	2,308,284	495,617	80.2	21.5	9,365,908	65.9	Residential building only.....	710,131	23,617	11.0	3.0	3,797,079	52.7
Building.....	1,067,083	106,828	19.2	10.0	4,928,326	54.6	Highway.....	314,995	9,586	4.4	3.3	893,647	64.0
Building not specialized.....	710,131	90,742	16.3	12.8	3,797,079	52.7	Subcontractors.....	3,620,375	182,260	84.6	5.0	7,549,773	98.3
Commercial building only.....	41,957	767	.1	1.8	237,600	55.4	Plastering and lathing.....	203,541	182,260	84.6	89.5	466,275	98.9
Residential building only.....	314,995	15,329	2.8	4.9	893,647	64.0	Structural steel						
Highway.....	299,895	118,081	21.4	39.7	585,659	100.0	All classes.....	5,928,659	223,928	100.0	3.8	16,915,681	79.2
Bridge and culvert.....	215,612	60,094	10.8	27.0	1,536,223	72.4	General contractors ³	2,308,284	22,119	9.9	1.0	9,365,908	65.9
Street paving.....	334,800	123,855	22.3	37.0	990,046	97.7	Building.....	1,067,083	18,119	8.1	1.7	4,928,326	54.6
Sewer, gas, water, conduit.....	340,316	65,028	11.7	19.1	914,200	100.0	Building not specialized.....	710,131	16,454	7.3	2.3	3,797,079	52.7
Railroad.....	50,578	20,831	3.7	41.2	411,394	62.8	Residential building only.....	314,995	1,665	.7	.5	893,647	64.0
Subcontractors.....	3,620,375	60,023	10.8	1.7	7,549,773	98.3	Highway.....	299,895	4,000	1.8	1.3	585,659	100.0
Concreteing.....	129,410	48,332	8.7	37.3	355,448	100.0	Subcontractors.....	3,620,375	201,809	90.1	5.6	7,549,773	98.3
Electrical.....	747,197	200	0.0	0.0	1,442,614	99.9	Elevator construction.....	425,750	1,000	.4	.2	713,487	85.8
Masonry.....	142,284	6,058	1.1	4.3	353,348	100.0	Masonry.....	142,284	809	.4	.6	353,348	100.0
Plastering and lathing.....	203,541	2,845	.5	1.4	466,275	98.9	Steel erection.....	200,000	200,000	89.3	100.0	307,000	100.0
Roofing and sheet-metal work.....	333,059	250	0.0	.1	805,633	100.0	Reinforcing steel						
Sheet-metal work.....	123,219	260	0.0	.2	316,044	100.0	All classes.....	7,528,659	82,809	100.0	1.4	16,915,681	79.2
Marble and tiling.....	138,992	2,338	.4	1.7	319,193	100.0	General contractors.....	2,275,684	72,113	87.0	3.2	9,294,908	67.4
Brick (face, common, fire, paving, etc.)						General contractors³							
All classes.....	5,928,659	226,093	100.0	3.8	16,915,681	79.2	Building.....	1,034,483	28,820	34.8	2.8	4,857,326	59.3
General contractors ³	2,308,284	107,813	47.7	4.7	9,365,908	65.9	Building not specialized.....	677,531	27,478	33.2	4.1	3,726,079	54.8
Building.....	1,067,083	103,374	45.7	9.7	4,928,326	54.6	Residential building only.....	314,995	1,342	1.6	.4	893,647	64.0
Building not specialized.....	710,131	74,203	32.8	10.4	3,797,079	52.7	Highway.....	299,895	5,004	6.1	1.7	585,659	100.0
Commercial building only.....	41,957	8,100	3.6	10.3	237,600	55.4	Bridge and culvert.....	215,612	25,688	31.0	11.9	1,536,223	72.4
Residential building only.....	314,995	21,071	9.3	6.7	893,647	64.0	Street paving.....	334,800	400	.5	.1	990,046	97.7
Street paving.....	334,800	104	0.0	0.0	990,046	97.7	Sewer, gas, water, conduit.....	340,316	8,671	10.5	2.5	914,200	100.0
Sewer, gas, water, conduit.....	340,316	4,335	1.9	1.3	914,200	97.7	Railroad.....	50,578	3,470	4.2	6.9	411,394	62.8
Subcontractors.....	3,620,375	118,190	52.3	3.3	7,549,773	98.3	Subcontractors.....	3,620,375	10,756	13.0	.3	7,549,773	98.3
Concreteing.....	129,410	4,000	1.8	3.1	355,448	100.0	Concreteing.....	129,410	10,756	13.0	8.3	355,448	100.0
Heating and plumbing.....	582,086	700	.3	.1	1,150,693	97.4	Ornamental metal work						
Heating and piping.....	269,842	700	.3	.3	531,123	95.1	All classes.....	7,528,659	248,154	100.0	4.2	16,915,681	79.2
Masonry.....	142,284	107,905	47.7	75.8	353,348	100.0	General contractors.....	2,275,684	800	.3	0.0	9,294,908	67.4
Marble and tiling.....	138,992	5,686	2.5	4.0	319,193	100.0	Building.....	1,034,483	800	.3	.1	4,857,326	59.3
Tile, facing, terra cotta, floor, and wall						General contractors³							
All classes.....	7,528,659	114,233	100.0	1.9	16,915,681	79.2	Building not specialized.....	677,531	298	.1	0.0	3,726,079	54.8
General contractors.....	2,275,684	14,106	12.4	.6	9,294,908	67.4	Residential building only.....	314,995	502	.2	.2	893,647	64.0
Building.....	1,034,483	14,106	12.4	1.4	4,857,326	59.3	Subcontractors.....	3,620,375	247,354	99.7	6.8	7,549,773	98.3
Building not specialized.....	677,531	9,911	4.8	.7	3,726,079	54.8	Elevator construction.....	425,750	3,500	1.4	.8	713,487	85.8
Commercial building only.....	41,957	5,100	4.5	12.2	237,600	55.4	Marble and tiling.....	138,992	370	.1	.9	319,193	100.0
Residential building only.....	314,995	4,185	3.7	1.3	893,647	64.0	Ornamental iron.....	248,484	248,484	98.1	100.0	577,462	100.0
Subcontractors.....	3,620,375	100,037	87.6	2.8	7,549,773	98.3	Lumber, rough and finished						
Masonry.....	142,284	6,239	5.5	4.4	353,348	100.0	All classes.....	5,928,659	312,220	100.0	5.3	16,915,681	79.2
Marble and tiling.....	138,992	93,798	82.1	67.5	319,193	100.0	General contractors ³	2,308,284	297,720	95.4	12.9	9,365,908	65.9
Cement¹						General contractors³							
All classes.....	7,528,659	449,048	100.0	7.6	16,915,681	79.2	Building.....	1,067,083	272,500	87.3	25.5	4,928,326	54.6
General contractors.....	2,275,684	372,504	83.0	16.4	9,294,908	67.4	Building not specialized.....	710,131	132,457	42.4	18.7	3,797,079	52.7
Building.....	1,034,483	109,219	24.3	10.0	4,857,326	59.3	Commercial building only.....	41,957	8,700	2.8	20.7	237,600	55.4
Building not specialized.....	677,531	96,215	21.4	14.2	3,726,079	54.8	Residential building only.....	314,995	131,433	42.1	41.7	893,647	64.0
Commercial building only.....	41,957	5,270	1.2	1.8	237,600	55.4	Highway.....	299,895	2,400	.8	.8	585,659	100.0
Residential building only.....	314,995	13,004	2.9	4.1	893,647	64.0	Bridge and culvert.....	215,612	9,617	3.1	4.5	1,536,223	72.4
Highway.....	299,895	5,270	1.2	1.8	585,659	100.0	Street paving.....	334,800	4,336	1.4	1.3	914,200	100.0
Bridge and culvert.....	215,612	87,578	19.5	40.0	1,536,223	72.4	Sewer, gas, water, conduit.....	340,316	4,336	1.4	1.3	914,200	100.0
Street paving.....	334,800	88,050	19.6	26.3	990,046	97.7	Railroad.....	50,578	8,778	2.8	17.4	411,394	62.8
Sewer, gas, water, conduit.....	340,316	65,028	14.5	19.1	914,200	100.0	Subcontractors.....	3,620,375	14,500	4.0	.4	7,549,773	98.3
Railroad.....	50,578	17,369	3.9	34.3	411,394	62.8	Concreteing.....	129,410	8,100	2.6	6.3	355,448	100.0
						Subcontractors.....							
						Concreteing.....							
						Electrical.....							
						Heating and plumbing.....							
						Plumbing.....							
						Roofing and sheet-metal work.....							
						Sheet-metal work.....							

See footnotes at end of table.

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

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

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹		
	Cost of all materials distributed by kind	Per cent of—		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				
LOUISVILLE—Continued						LOUISVILLE—Continued									
<i>Millwork</i>						<i>Plumbing and gas-fitting equipment—Continued</i>									
All classes.....	\$5,928,659	\$146,093	100.0	2.4	\$16,915,681	79.2	Subcontractors.....	\$3,620,375	\$323,570	98.8	8.0	\$7,540,773	98.3		
General contractors ²	2,308,284	138,893	95.7	6.0	9,365,908	65.9	Heating and plumbing.....	552,086	319,595	97.6	57.9	1,150,693	97.4		
Building.....	1,067,083	138,893	95.7	13.0	4,928,326	54.6	Heating and piping.....	256,842	60,000	18.3	23.4	531,123	95.1		
Building not specialized ³	710,131	84,793	68.5	11.9	3,797,079	52.7	Plumbing.....	295,244	259,505	79.2	87.9	619,570	99.7		
Commercial building only.....	41,967	17,500	12.1	41.7	237,600	55.4	Roofing and sheet-metal work.....	333,059	3,875	1.2	1.2	805,633	100.0		
Residential building only.....	314,995	36,600	25.2	11.6	898,647	64.0	Roofing.....	185,920	3,875	1.2	2.1	433,170	100.0		
Subcontractors.....	3,620,375	6,170	4.3	.2	7,549,773	98.3	Metal work, n. e. s.....	63,426	100	(*)	.2	137,022	100.0		
Elevator construction.....	425,750	1,300	.9	.3	713,487	85.8	<i>Electrical appliances and supplies⁴</i>								
Heating and plumbing.....	552,086	1,000	.7	.2	1,150,693	97.4	All classes.....	7,592,859	541,675	100.0	0.1	16,915,681	79.2		
Plumbing.....	295,244	1,000	.7	.3	619,570	99.7	General contractors.....	2,275,684	5,160	1.0	.2	9,294,908	67.4		
Roofing and sheet-metal work.....	333,059	870	.6	.3	805,633	100.0	Building.....	1,034,483	5,150	1.0	.5	4,857,326	56.3		
Sheet-metal work.....	123,219	870	.6	.7	316,644	100.0	Residential building only.....	314,995	5,150	1.0	1.0	893,647	64.0		
Metal work, n. e. s.....	63,426	3,000	2.1	4.7	137,022	100.0	Subcontractors.....	3,620,375	536,525	99.0	14.8	7,540,773	98.3		
<i>Paints, varnishes, glass⁵</i>						<i>Elevators, dumb-waiters, and equipment⁶</i>									
All classes.....	5,928,659	474,071	100.0	8.0	16,915,681	79.2	All classes.....	7,592,859	419,148	100.0	7.1	16,915,681	79.2		
General contractors ²	2,308,284	13,804	2.9	.6	9,365,908	65.9	Subcontractors.....	3,620,375	419,148	100.0	11.6	7,540,773	98.3		
Building.....	1,067,083	13,804	2.9	1.3	4,928,326	54.6	Elevator construction.....	425,750	750	.1	.2	713,487	85.8		
Building not specialized ³	710,131	8,903	1.9	1.3	3,797,079	52.7	Metal work, n. e. s.....	63,426	6,148	1.2	8.1	137,022	100.0		
Residential building only.....	314,995	4,901	1.0	1.6	893,647	64.0	<i>Pipe: Drain tile, vitri- red, concrete, segment tile, corrugated</i>								
Subcontractors.....	3,620,375	400,267	97.1	12.7	7,549,773	98.3	All classes.....	7,592,859	190,440	100.0	3.2	16,915,681	79.2		
Electrical.....	747,197	1,050	.2	.1	1,442,614	99.9	General contractors.....	2,275,684	184,196	96.7	8.1	9,294,908	67.4		
Elevator construction.....	425,750	100	(*)	(*)	713,487	85.8	Building.....	1,034,483	825	.4	.1	4,857,326	56.3		
Painting and decorating.....	81,871	80,271	16.9	98.0	401,348	100.0	Residential building only.....	314,995	825	.4	.3	893,647	64.0		
Glass and glazing.....	359,275	359,275	75.8	100.0	520,250	100.0	Highway.....	299,895	4,069	2.1	1.4	585,659	100.0		
Roofing and sheet-metal work.....	333,059	2,425	.5	.7	805,633	100.0	Bridge and culvert.....	215,612	5,892	3.1	2.7	1,536,223	72.4		
Roofing.....	185,920	168	(*)	.1	433,170	100.0	Sewer, gas, water, conduit.....	340,316	173,410	91.1	51.0	914,260	100.0		
Sheet-metal work.....	123,219	1,500	.3	1.2	316,644	100.0	Subcontractors.....	3,620,375	6,250	3.3	.2	7,540,773	98.3		
Roofing and sheet-metal combined.....	23,920	757	.2	3.2	55,819	100.0	Electrical.....	747,197	3,650	1.0	.5	1,442,614	99.9		
Marble and tiling.....	138,992	15,792	3.3	11.4	319,193	100.0	Heating and plumbing.....	552,086	2,000	1.4	.5	1,150,693	97.4		
Metal work, n. e. s.....	63,426	1,354	.3	2.1	137,022	100.0	Plumbing.....	295,244	2,600	1.4	.9	619,570	99.7		
<i>Roofing and sheet metal</i>						<i>Pipe: Cast-iron, sheet and tube steel, etc.</i>									
All classes.....	5,928,659	275,969	100.0	4.7	16,915,681	79.2	All classes.....	7,592,859	75,441	100.0	1.3	16,915,681	79.2		
General contractors ²	2,308,284	19,111	6.9	.8	9,365,908	65.9	General contractors.....	2,275,684	20,901	35.7	1.2	9,294,908	67.4		
Building.....	1,067,083	19,111	6.9	1.8	4,928,326	54.6	Highway.....	299,895	5,000	6.6	1.7	585,659	100.0		
Building not specialized ³	710,131	8,541	3.1	1.2	3,797,079	52.7	Bridge and culvert.....	215,612	12,719	16.9	5.9	1,536,223	72.4		
Residential building only.....	314,995	10,570	3.8	3.4	893,647	64.0	Street paving.....	334,800	514	.7	.2	990,046	97.7		
Subcontractors.....	3,620,375	256,858	98.1	7.1	7,549,773	98.3	Sewer, gas, water, conduit.....	340,316	8,671	11.5	2.5	914,260	100.0		
Roofing and sheet-metal work.....	333,059	247,058	89.7	74.4	805,633	100.0	Subcontractors.....	3,620,375	48,540	64.3	1.3	7,540,773	98.3		
Roofing.....	185,920	115,654	41.9	62.2	433,170	100.0	Electrical.....	747,197	30,000	39.8	4.0	1,442,614	99.9		
Sheet-metal work.....	123,219	110,374	40.0	89.0	316,644	100.0	Heating and plumbing.....	552,086	17,500	23.2	3.2	1,150,693	97.4		
Roofing and sheet metal combined.....	23,920	21,630	7.8	90.4	55,819	100.0	Heating and piping.....	256,842	17,500	23.2	6.8	531,123	95.1		
Metal work, n. e. s.....	63,426	9,200	3.3	14.5	137,022	100.0	Roofing and sheet-metal work.....	333,059	1,040	1.4	.3	805,633	100.0		
<i>Heating and ventilating equipment⁷</i>						<i>Bituminous paving materials, tar, asphalt, and oil</i>									
All classes.....	7,592,859	448,319	100.0	7.0	16,915,681	79.2	All classes.....	7,592,859	258,001	100.0	4.4	16,915,681	79.2		
General contractors.....	2,275,684	47,964	10.7	2.1	9,294,908	67.4	General contractors.....	2,275,684	238,001	92.2	10.5	9,294,908	67.4		
Building.....	1,034,483	47,964	10.7	4.0	4,857,326	56.3	Highway.....	299,895	155,111	60.1	51.7	585,659	100.0		
Building not specialized ³	677,531	39,496	8.8	5.8	3,720,079	54.8	Bridge and culvert.....	215,612	14,027	5.4	6.5	1,536,223	72.4		
Residential building only.....	314,995	8,469	1.9	2.7	893,647	64.0	Street paving.....	334,800	68,863	26.7	20.6	990,046	97.7		
Subcontractors.....	3,620,375	400,355	89.8	11.1	7,549,773	98.3	Subcontractors.....	3,620,375	20,000	7.8	.8	7,540,773	98.3		
Electrical.....	747,197	161,710	36.1	21.6	1,442,614	99.9	Roofing and sheet-metal.....	333,059	20,000	7.8	6.0	805,633	100.0		
Heating and plumbing.....	552,086	193,302	44.2	35.9	1,150,693	97.4	Roofing.....	185,920	20,000	7.8	10.8	433,170	100.0		
Heating and piping.....	256,842	178,552	39.8	69.6	531,123	95.1									
Plumbing.....	295,244	19,750	4.4	.7	619,570	99.7									
Masonry.....	142,284	165	(*)	1.1	353,348	100.0									
Roofing and sheet-metal work.....	333,059	40,178	9.0	12.1	805,633	100.0									
Roofing.....	185,920	40,000	8.9	21.5	433,170	100.0									
Roofing and sheet-metal combined.....	23,920	178	(*)	.7	55,819	100.0									
<i>Plumbing and gas-fitting equipment</i>															
All classes.....	7,592,859	327,570	100.0	5.5	16,915,681	79.2									
General contractors.....	2,275,684	4,000	1.2	.2	9,294,908	67.4									
Building.....	1,034,483	4,000	1.2	.4	4,857,326	56.3									
Residential building only.....	314,995	4,000	1.2	1.3	893,647	64.0									

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 page 494.
³ Includes operative builders.
⁴ Includes cost of materials reported by establishments which did not include designated material in their distributed lists.
⁵ Includes construction work reported by establishments which did not include the designated material in their distributed lists.
⁶ Less than one-tenth of 1 per cent.
⁷ Includes cost of materials reported by operative builders who did not include the designated materials in their distributed lists.
⁸ Includes construction work reported by operative builders who did not include the designated materials in their distributed lists.
⁹ Includes cost of materials reported by general contracting establishments which did not include the designated material in their distributed lists.
¹⁰ Includes construction work reported by general contracting establishments which did not include the designated material in their distributed lists.

CONSTRUCTION—KENTUCKY

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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. 499, the third on p. 500]

CLASSIFICATION OF ESTABLISHMENTS	Total cost of all materials ¹	COST OF ALL MATERIALS DISTRIBUTED BY KIND		Sand, gravel, crushed stone, slag, cinders, etc.	Brick (face, common, fire, paving, etc.)	Tile (fire-proofing)	Tile, facing, terra cotta, floor, and wall	Concrete and cinder block	Cut stone, granite, and marble	Rip-rap, rubble, etc.	Cement	Lime	Plaster, etc.
		Amount	Per cent of total										
KENTUCKY	\$13,871,568	\$10,419,129	75.1	\$1,332,101	\$442,021	\$31,012	\$148,418	\$60,432	\$128,884	\$3,050	\$1,045,358	\$23,176	\$309,284
Operative builders.....	144,773	99,798	68.0	5,495	9,440	300		6,780	625		2,756		2,500
General contractors.....	7,744,149	5,412,325	69.9	1,223,605	263,731	22,148	32,574	53,547	124,206	3,050	896,737	6,529	90,624
Building.....	4,385,078	2,001,460	45.8	227,820	249,833	22,148	32,574	53,547	91,213	1,850	234,541	6,529	90,624
Building not specialized.....	3,380,635	2,011,028	59.5	101,333	203,450	21,888	10,911	37,233	81,984		219,760	5,821	77,877
Commercial building only.....	80,047	41,957	52.4	757	8,100		5,100				14,781	708	12,747
Residential building only.....	899,399	548,505	61.0	35,739	38,283	260	10,603	16,314	9,220	1,850	224,201		89,809
Highway.....	1,369,113	1,202,217	87.9	518,006							89,809		11,261
Bridge and culvert.....	308,031	233,617	76.0	61,241							240,712		11,261
Grading.....	48,225	31,225	64.7	5,187					32,093		78,704		17,350
Street paving.....	1,059,131	730,131	68.9	278,293	464						17,350		
Sewer, gas, water, conduit.....	493,993	493,993	100.0	11,223	7,845								
Railroad.....	50,578	50,578	100.0	20,831									
Subcontractors.....	4,907,646	4,907,006	98.0	153,001	168,850	8,504	115,844	105	2,053		145,863	16,047	216,100
Concreting.....	309,650	309,650	100.0	103,732	4,000		1,000	105	60		121,007	600	2,000
Electrical.....	853,129	844,129	98.0								501		
Elevator construction.....	425,750	425,750	100.0								520		
Heating and plumbing.....	1,177,420	1,147,788	97.5	50	700						520		
Heating and piping.....	663,897	423,284	63.8		700						520		
Plumbing.....	800,537	724,504	90.5	50							15,034	5,775	
Masonry.....	282,109	207,529	73.5	11,848	158,321	2,338	6,230		493				
Painting and decorating.....	91,820	91,820	100.0										
Glass and glazing.....	359,275	359,275	100.0								537	9,740	214,160
Plastering and lathing.....	273,040	273,040	100.0	12,047			136				250		
Roofing and sheet-metal work.....	559,805	514,082	91.8	250			6,090				250		
Roofing.....	230,393	206,075	90.0				6,090						
Sheet-metal work.....	123,219	123,219	100.0	250									
Roofing and sheet metal combined.....	206,188	181,188	87.9										
Steel erection.....	258,975	218,975	84.6								2,898	200	
Stone work.....	4,447	4,447	100.0	1,240							4,516	323	
Marble and tiling.....	409,837	154,448	37.7	2,468	5,829		103,005		1,500				
Ornamental iron.....	243,484	243,484	100.0										
Highway.....	80,157	80,157	100.0	21,157									
Metal work, n. e. s.....	63,426	63,426	100.0										
LOUISVILLE	7,987,400	5,928,659	74.2	\$2,555,640	\$226,093	\$21,552	\$114,233	\$3,228	\$2,800	\$1,850	\$2,449,048	\$8,042	\$215,483
Operative builders.....	45,000	32,000	71.5	500	8,000	300		700	300				2,500
General contractors.....	3,039,760	2,275,084	74.9	495,117	99,813	13,462	14,196	2,421	60,507	1,850	872,504	2,998	30,703
Building.....	1,793,559	1,034,483	57.7	100,328	95,374	13,462	14,196	2,421	27,514	1,850	109,219	2,998	36,703
Building not specialized.....	1,285,986	677,531	52.7	90,242	66,203	13,362	4,911	65	22,884		96,215	2,634	21,117
Commercial building only.....	80,047	41,957	52.4	757	8,100		5,100				13,004	364	9,586
Residential building only.....	427,526	314,995	73.7	15,320	21,071	100	4,185	2,356	4,630	1,850	5,270		
Highway.....	200,895	200,895	100.0	118,981							87,578		
Bridge and culvert.....	215,612	215,612	100.0	60,094							88,050		
Street paving.....	334,800	334,800	100.0	123,856		104			32,093		65,023		
Sewer, gas, water, conduit.....	340,316	340,316	100.0	65,028	4,385						17,359		
Railroad.....	50,578	50,578	100.0	20,831									
Subcontractors.....	4,802,040	3,620,375	75.4	60,023	118,190	7,790	100,037	105	1,993		76,544	5,044	182,200
Concreting.....	129,410	129,410	100.0	48,332	4,000			105			57,807		
Electrical.....	750,197	747,197	99.8	200							501		
Elevator construction.....	425,750	425,750	100.0								500		
Heating and plumbing.....	809,699	552,036	68.2		700						500		
Heating and piping.....	398,159	250,842	63.0		700						500		
Plumbing.....	348,548	295,244	84.7								12,678	1,122	
Masonry.....	171,947	142,284	82.7	6,068	107,005	1,504	6,239		493				
Painting and decorating.....	81,871	81,871	100.0										
Glass and glazing.....	359,275	359,275	100.0								537	3,749	182,260
Plastering and lathing.....	203,541	203,541	100.0	2,846			130				250		
Roofing and sheet-metal work.....	358,059	333,059	93.0	250			6,090						
Roofing.....	185,920	185,920	100.0				6,090				250		
Sheet-metal work.....	123,219	123,219	100.0	250									
Roofing and sheet metal combined.....	48,920	23,920	48.9										
Steel erection.....	240,000	200,000	83.3								4,271	173	
Marble and tiling.....	494,381	138,992	28.1	2,338	5,585		93,793		1,500				
Ornamental iron.....	243,484	243,484	100.0										
Metal work, n. e. s.....	63,426	63,426	100.0										

See footnotes at end of table.

CONSTRUCTION—KENTUCKY

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

CLASSIFICATION OF ESTABLISHMENTS	Structural steel	Reinforcing steel	Cast iron, miscellaneous, excluding pipe	Metal doors, windows, and trim	Metal and wire lath and furring	Ornamental metal work	Lumber, rough and finished	Laths, shingles, and shakes	Millwork	Composition board	Water-proofing materials	Hardware, rough and finished	Paints, varnishes, and glass
KENTUCKY—Continued													
Subcontractors—Continued.													
Masonry	\$809		\$161									\$269	\$1,262
Painting and decorating													\$90,220
Glass and glazing													359,275
Plastering and lathing					\$10,001	\$603		\$22,874		\$2,939			2,425
Roofing and sheet-metal work							\$700		\$870	4,723	75	2,822	168
Roofing										4,723		2,610	1,500
Sheet-metal work							700		870		75		
Roofing and sheet metal combined												212	757
Steel erection	213,075	\$245		\$324		3,053						1,234	175
Marble and tiling					480	370						165	15,792
Ornamental iron						243,484							
Metal work, n. e. s.				17,730					3,000			4,000	1,354
LOUISVILLE	223,928	82,869	33,870	23,935	14,223	248,154	312,220	18,793	145,063	17,279	1,067	52,334	247,071
Operative builders	200						7,500	800	7,500	1,000	100	1,000	450
General contractors	21,910	72,113	10,500	6,105	4,222	800	290,220	14,919	131,393	8,617	623	42,389	13,354
Building	17,919	28,820	200	6,105	4,222	800	265,090	14,919	131,393	8,617	623	33,378	13,354
Building not specialized	16,254	27,478		5,870	4,122	298	124,957	1,669	77,293	4,644	623	22,588	8,453
Commercial building only							8,700		17,500			1,800	
Residential building only	1,665	1,342	200	235	100	502	131,433	13,350	36,600	4,073	100	9,040	4,901
Highway	4,000	5,064					2,400						
Bridge and culvert		25,638					9,617						
Street paving		400	10,309									200	
Sewer, gas, water, conduit		8,671					4,335					8,671	
Railroad		3,470					8,778					140	
Subcontractors	201,800	10,759	23,161	17,730	10,001	247,354	14,500	1,074	6,170	7,662	344	8,945	400,267
Concreting		10,759					8,100						1,050
Electrical			20,000				660						100
Elevator construction	1,000		3,000			3,500			1,300			500	100
Heating and plumbing							5,050		1,000			500	
Plumbing							5,050		1,000			209	1,292
Masonry	809		161										
Painting and decorating													80,271
Glass and glazing													359,275
Plastering and lathing					10,001			1,074		2,939			2,425
Roofing and sheet-metal work							700		870	4,723	75	2,822	168
Roofing										4,723		2,610	1,500
Sheet-metal work							700		870		75		
Roofing and sheet metal combined												212	757
Steel erection	200,000												
Marble and tiling						370						165	15,792
Ornamental iron						243,484							
Metal work, n. e. s.				17,730					3,000			4,000	1,354

CLASSIFICATION OF ESTABLISHMENTS	Roofing and sheet metal	Finished flooring, n. e. s.	Screens, shades, awnings, etc.	Heating and ventilating equipment	Plumbing and gas fitting equipment	Electrical appliances and supplies	Elevators, dumb-walters, etc.	Pipe: Drain tile, vitrified, concrete, etc.	Pipe: Cast iron, sheet and tube steel, etc.	Wire cable, guards, and fencing	Bituminous paving materials	Wood piling and timber	Freight, hauling, or trucking to job	Metal products, n. e. s.	Miscellaneous
KENTUCKY															
	\$526,492	\$23,938	\$29,831	\$682,745	\$775,416	\$652,643	\$425,548	\$428,627	\$125,989	\$4,701	\$424,537	\$5,738	\$7,940	\$15,134	\$68,592
Operative builders	3,775	1,000	350	5,810	7,425	2,094		2,187							1,050
General contractors	77,790	21,438	6,683	84,819	57,248	17,092	6,400	415,980	75,407	2,701	336,637	5,738	7,940		55,353
Building	77,618	21,438	6,683	84,819	55,772	17,092	6,400	24,001	384	384	10,368				16,071
Building not specialized	59,020	15,539	2,520	67,938	29,390	6,263	6,400	22,741	384		10,368				15,710
Residential building only	13,598	5,908	4,154	10,881	20,382	10,829		1,260							361
Highway	172							134,610	6,318	150	243,204	270			1,050
Bridge and culvert								5,892	12,716		14,027	5,408	3,567		500
Grading								3,213	140						600
Street paving					1,470			24,538	8,353		68,863		4,373		37,732
Sewer, gas, water, conduit								223,726	47,871	2,167	75				
Subcontractors	444,927	1,500	22,798	592,110	710,743	633,457	410,148	10,400	50,562	2,000	88,000			15,134	11,589
Concreting															310
Electrical				161,710		626,368		3,650	30,000						
Elevator construction						750	414,000			2,000					
Heating and plumbing	13,546			333,557	709,798	6,339		6,710	19,000						4,048
Heating and piping	13,546			285,400	68,090			2,500	19,000						4,048
Plumbing				98,157	608,678	6,339		4,210							
Masonry				165										134	4,681
Painting and decorating															1,600
Roofing and sheet-metal work	422,181	1,500		49,678	3,875				1,040		20,000				603
Roofing	139,409	1,500		40,000	3,875						20,000				
Sheet-metal work	110,874														500
Roofing and sheet metal combined	172,398			6,678					1,040						
Steel erection									522						103
Stone work								100							347
Marble and tiling															15,000
Highway											68,000				
Metal work, n. e. s.	9,200		22,798		100		5,148								
LOUISVILLE	275,969	13,730	28,128	448,319	327,570	541,875	419,148	180,446	75,441	4,167	258,001		4,373	15,134	23,195
Operative builders	400	1,000	350												
General contractors	18,711	11,230	4,980	47,904	4,000	5,150		184,196	26,901	2,167	238,001		4,373		17,267
Building	18,711	11,230	4,980	47,904	4,000	5,150		825							12,118
Building not specialized	8,141	5,700	906	39,495											11,767
Residential building only	10,570	5,530	4,074	8,469	4,000	5,150		325							861
Highway								4,069	5,000		155,111				
Bridge and culvert								5,892	12,716		14,027				
Street paving								614			68,863		4,373		5,130
Sewer, gas, water, conduit								173,410	8,671	2,167					

See footnotes at end of table.

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

CLASSIFICATION OF ESTABLISHMENTS	Roofing and sheet metal	Finished flooring, n. e. s.	Screens, shades, awnings, etc.	Heating and ventilating equipment	Plumbing and gas fitting equipment	Electrical appliances and supplies	Elevators, dumb-waiters, etc.	Pipe: Drain, tile, vitrified, concrete, etc.	Pipe: Cast iron, sheet and tube steel, etc.	Wire cable, guards, and fencing	Bituminous paving materials	Wood piling and timber	Freight, hauling, or trucking to job	Metal products, n. e. s.	Miscellaneous
LOUISVILLE—Continued															
Subcontractors.....	\$250,858	\$1,500	\$22,798	\$400,355	\$323,570	\$536,525	\$419,148	\$6,250	\$48,540	\$2,000	\$20,000			\$15,134	\$5,938 310
Concreting.....				161,710		529,436 750	414,000	3,650	30,000						
Electrical.....						6,339		2,000	17,500	2,000					
Elevator construction.....															
Heating and plumbing.....				198,302	319,595										
Heating and piping.....				178,552	60,090										
Plumbing.....				19,760	259,505	6,339		2,000							
Masonry.....				165										134	3,425
Painting and decorating.....															1,600
Roofing and sheet-metal work.....	247,658	1,500		40,178	3,875				1,040		20,000				603
Roofing.....	115,654	1,500		40,000	3,875						20,000				
Sheet-metal work.....	110,374														500
Roofing and sheet metal combined.....	21,630			178					1,040						103
Marble and tiling.....														15,000	
Metal work, n. o. s.....	9,200		22,798		100		5,148								

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 page 494.
 3 Includes manufacturing building only, \$25,000.
 4 Includes carpentering and woodflooring, \$12,000; foundation, \$35,000; pipe line, \$20,220; miscellaneous, n. e. s., \$45,000.
 5 Includes plumbing and heating combined, \$112,992.
 6 Includes grading, \$5,000.
 7 Includes miscellaneous, n. e. s., \$45,000.
 8 Includes plumbing and heating combined, \$42,992.
 9 Includes the reported cost of mineral products (non-metallic) n. e. s.; textiles and caking materials; and miscellaneous, n. o. s. For total cost of these items see Table 9.

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

TYPES OF WORK	KENTUCKY 1930 population, 2,614,589								LOUISVILLE 1930 population, 307,745			REMAINDER OF STATE 1930 population, 2,306,844		
	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					Number			Amount		
Total establishments canvassed (less than \$25,000).....	1,245	13	1,232					598			634			
Total establishments, type of work unknown.....	20		20		1	5.0	\$5,000	\$5,000	20	1	\$5,000			
Total general and subcontractors classified.....	1,225	13	1,212	100.0				578			634			
Total general contractors classified.....	331	9	322	26.6	64	19.9	704,149	12,409	127	19	256,588	195	45	\$537,561
Building.....	293	3	290	23.9	57	19.7	742,396	13,024	122	19	256,588	168	38	485,808
Highway.....	30	0	24	2.0	3	12.5	37,800	12,433	3			21	3	37,800
Bridge and culvert.....	3		3	0.2	2	66.7	5,387	2,694	1			2	2	5,387
Sewer, gas, water, conduit.....	1		1	0.1	1	100.0	3,066	3,066	1			1	1	3,066
Street paving.....	4		4	0.3	1	25.0	6,000	6,000	1			3	1	6,000
Total subcontractors classified.....	894	4	890	73.4	214	24.0	1,682,600	7,863	451	102	716,103	430	112	966,497
Carpentering.....	144		144	11.9	37	25.7	198,752	5,372	69	13	52,705	75	24	146,047
Concreting.....	64	2	62	5.1	16	25.8	107,534	6,721	40	9	54,476	22	7	53,058
Electrical.....	128	1	127	10.5	20	15.7	208,251	10,413	70	15	144,907	57	5	63,344
Excavating and grading.....	14		14	1.2	1	7.1	1,500	1,500	10	1	1,500	4		
Heating, ventilating, and piping.....	15		15	1.2	2	13.3	13,443	6,722	3			12	2	13,443
Marble and tiling.....	8		8	.7	2	25.0	36,478	18,239	4			4	2	36,478
Masonry.....	48	1	47	3.9	9	19.1	54,900	6,100	23	5	29,079	24	4	25,821
Ornamental iron.....	8		8	.7	1	12.5	6,327	6,327	4	1	5,327	4		
Painting and decorating.....	20		20	2.4	15	51.7	92,251	6,150	15	3	15,868	14	12	76,383
Plastering.....	65		65	5.4	20	30.8	145,899	7,295	38	9	63,070	27	11	82,820
Plumbing and heating.....	286		286	23.6	69	24.1	588,078	8,523	129	33	209,504	157	36	378,574
Roofing and sheet metal.....	74		74	6.1	20	27.0	201,089	10,084	40	12	116,160	34	8	85,529
Wrecking.....	2		2	.2	1	50.0	5,000	5,000	1			1	1	5,000
Cut stone.....	6		6	.5	1	16.7	22,498	22,498	3	1	22,498	3		
Steel erection.....	2		2	.2					1			1		
Glass.....	1		1	.1					1			1		

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
KENTUCKY											
Total general and subcontractors.....	279	53	50	32	36	33	12	14	22	17	10
General contractors.....	64	4	5	7	14	4	5	4	10	6	5
Subcontractors.....	214	49	45	24	22	29	7	10	12	11	5
Type of contracting unknown.....	1			1							

LOUISIANA

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CONSTRUCTION—LOUISIANA

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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
LOUISIANA	178	\$34, 843	\$29, 486	\$5, 457	\$6, 344	\$7, 507	\$11, 733	LOUISIANA—Continued.							
<i>Parishes and principal city</i>								<i>Building contractors—Con.</i>							
Parishes:								\$25,000 to \$49,999.....	3	\$2, 318	\$2, 318	—	\$651	\$486	\$822
Caddo.....	27	3, 718	3, 326	392	921	735	1, 195	\$1,000,000 and over.....	4	7, 620	7, 181	\$445	2, 842	1, 200	2, 040
Calcasieu.....	7	1, 062	1, 052	10	56	486	357	<i>Subcontractors.....</i>	70	6, 107	1, 268	4, 839	73	1, 525	2, 825
East Baton Rouge.....	4	1, 071	1, 071	—	103	167	493	\$25,000 to \$49,999.....	26	959	261	698	—	267	409
Orleans.....	102	25, 203	20, 697	4, 506	4, 794	5, 084	8, 425	\$50,000 to \$99,999.....	27	1, 008	549	1, 359	21	460	809
Ouachita.....	5	484	373	111	101	104	176	\$100,000 to \$199,999.....	15	2, 146	395	1, 751	62	501	943
Rapides.....	10	1, 039	730	309	168	260	304	\$200,000 to \$499,999.....	1	408	—	408	—	104	225
Other parishes ¹	23	2, 365	2, 237	128	201	674	723	\$500,000 to \$999,999.....	1	686	63	623	—	128	438
Principal city: ²								\$1,000,000 and over.....	—	—	—	—	—	—	—
New Orleans.....	102	25, 203	20, 697	4, 506	4, 794	5, 084	8, 425	NEW ORLEANS.....	102	25, 203	20, 697	4, 506	4, 794	5, 084	8, 425
<i>Classification of establishments</i>								<i>General contractors.....</i>	52	20, 338	19, 793	545	4, 728	3, 874	6, 152
General contractors ³	103	28, 836	23, 218	618	6, 271	5, 983	8, 908	Building.....	31	12, 038	11, 592	445	4, 138	2, 076	3, 498
Building.....	64	17, 403	16, 957	445	5, 574	3, 408	5, 194	Building not specialized.....	24	11, 649	11, 203	445	4, 006	1, 989	3, 382
Building not specialized ⁴	52	16, 684	16, 238	445	5, 314	3, 268	4, 988	Residential building only.....	7	389	389	—	132	88	117
Commercial building only.....	3	242	242	—	99	41	54	Street paving.....	5	2, 650	2, 650	—	368	417	1, 341
Residential building only.....	9	477	477	—	161	99	153	Sewer, gas, water, conduit.....	5	737	737	—	40	204	354
Highway.....	10	1, 647	1, 644	3	122	470	520	Dredging, river, harbor, etc.....	4	3, 543	3, 455	88	140	899	528
Street paving.....	7	3, 487	3, 487	—	368	500	1, 762	Levee.....	4	691	691	—	6	135	18
Sewer, gas, water, conduit.....	6	821	821	—	49	219	410	Other classes ⁵	3	778	766	12	27	101	415
Dredging, river, harbor, etc.....	8	3, 817	3, 724	93	140	900	507	<i>Subcontractors.....</i>	50	4, 864	904	3, 961	66	1, 251	2, 273
Levee.....	9	902	838	64	16	220	18	Electrical.....	13	1, 008	259	749	—	275	412
Other classes ⁶	4	750	747	12	2	111	438	Heating and plumbing.....	13	986	311	655	—	185	508
<i>Subcontractors.....</i>	70	6, 107	1, 268	4, 839	73	1, 525	2, 825	Heating and piping.....	4	173	35	138	—	30	92
Electrical.....	64	1, 072	259	813	—	286	441	Plumbing.....	6	456	100	206	—	112	196
Heating and plumbing.....	21	1, 526	490	1, 036	7	301	794	Plumbing and heating combined.....	3	337	116	221	—	43	221
Heating and piping.....	4	173	35	138	—	30	92	Painting, decorating, and glazing.....	6	318	154	164	11	136	93
Plumbing.....	13	939	338	601	7	214	436	Roofing and sheet-metal work.....	5	517	—	517	—	127	262
Pumbing and heating combined.....	4	414	117	297	—	57	260	Steel erection.....	3	1, 275	98	1, 177	45	327	663
Painting, decorating, and glazing.....	6	318	154	164	11	136	93	Marble, tiling, and plastering.....	6	541	—	541	10	163	241
Roofing and sheet-metal work.....	9	765	58	707	—	184	351	Other classes ⁷	4	239	81	158	—	48	93
Roofing.....	3	233	28	205	—	51	129	<i>Size of business groups</i>							
Sheet-metal work.....	3	304	—	304	—	100	172	General contractors.....	52	20, 338	19, 793	545	4, 728	3, 884	6, 162
Roofing and sheet metal combined.....	3	168	30	138	—	33	79	\$25,000 to \$49,999.....	9	336	336	—	74	108	84
Steel erection.....	3	1, 275	98	1, 177	45	327	663	\$50,000 to \$99,999.....	13	894	875	19	242	173	298
Stone work and concreting.....	3	147	80	68	—	29	58	\$100,000 to \$199,999.....	9	1, 435	1, 435	—	303	316	504
Marble, tiling, and plastering.....	10	756	—	756	10	195	330	\$200,000 to \$499,999.....	10	2, 845	2, 845	—	514	657	751
Other classes ⁸	4	249	129	119	—	68	65	\$500,000 to \$999,999.....	4	2, 780	2, 780	—	581	457	1, 245
<i>Size of business groups</i>								\$1,000,000 and over.....	7	12, 046	11, 520	526	3, 014	2, 123	3, 271
General contractors ³	103	28, 836	23, 218	618	6, 271	5, 983	8, 908	<i>Building contractors.....</i>	31	12, 038	11, 592	445	4, 138	2, 076	3, 498
\$25,000 to \$49,999.....	22	858	853	5	171	267	208	\$25,000 to \$49,999.....	6	225	225	—	73	60	62
\$50,000 to \$99,999.....	30	2, 146	2, 090	86	411	459	657	\$50,000 to \$99,999.....	10	714	714	—	238	121	223
\$100,000 to \$199,999.....	23	3, 376	3, 376	—	698	837	1, 086	\$100,000 to \$199,999.....	4	585	585	—	221	96	172
\$200,000 to \$499,999.....	20	6, 032	6, 032	—	1, 101	1, 568	1, 794	\$200,000 to \$499,999.....	5	1, 446	1, 446	—	413	269	452
\$500,000 to \$999,999.....	6	4, 377	4, 377	—	881	730	1, 893	\$500,000 to \$999,999.....	2	1, 441	1, 441	—	351	331	549
\$1,000,000 and over.....	7	12, 046	11, 520	526	3, 014	2, 123	3, 271	\$1,000,000 and over.....	4	7, 626	7, 181	445	2, 842	1, 199	2, 040
Building contractors ³	64	17, 403	16, 957	445	5, 574	3, 408	5, 194	<i>Subcontractors.....</i>	50	4, 864	904	3, 961	66	1, 251	2, 273
\$25,000 to \$49,999.....	14	559	559	—	170	128	186	\$25,000 to \$49,999.....	19	720	192	528	—	218	304
\$50,000 to \$99,999.....	17	1, 133	1, 133	—	355	217	413	\$50,000 to \$99,999.....	16	1, 150	276	874	21	295	481
\$100,000 to \$199,999.....	14	1, 948	1, 948	—	568	355	667	\$100,000 to \$199,999.....	13	1, 900	372	1, 528	45	505	825
\$200,000 to \$499,999.....	12	3, 768	3, 768	—	988	1, 023	1, 067	\$200,000 to \$499,999.....	1	408	—	408	—	104	225
								\$500,000 to \$999,999.....	1	686	63	623	—	128	438

¹ Includes Avoyelles, Bienville, Bossier, Claiborne, East Carroll, Grant, Iberia, Jackson, Jefferson, Jefferson Davis, Lafayette, Morehouse, St. Charles, St. Mary, St. Tammany, Tangipahoa, Vermilion, Washington, West Baton Rouge, Winn, 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 parish totals.

³ Includes operative builders.

⁴ Includes bridge and culvert; grading; and central station, light and power plant.

⁵ Includes carpentering and wood flooring; excavating; foundation; and metal work, n. e. s.

⁶ Includes highway; bridge and culvert; and central station, light and power plant.

⁷ Includes carpentering and wood flooring; stonework; and foundation.

CONSTRUCTION—LOUISIANA

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
LOUISIANA						NEW ORLEANS							
All construction business.....	178	\$34,942,050	106	\$28,835,826	70	\$6,107,124	All construction business.....	102	\$25,202,615	52	\$20,338,126	50	\$1,864,489
Distribution not reported.....	25	3,369,586	10	2,110,288	15	1,259,298	Distribution not reported.....	13	1,981,399	3	1,012,004	10	989,335
Distributed by class of ownership.....	153	31,573,304	98	26,725,538	55	4,847,826	Distributed by class of ownership.....	89	23,221,216	49	19,326,062	40	3,895,154
Private.....	117	14,186,982	66	10,063,061	51	3,523,321	Private.....	72	10,444,112	34	7,579,529	38	2,864,583
Quasi public or community.....	43	2,294,167	16	1,831,989	27	462,178	Quasi public or community.....	33	2,097,265	11	1,658,945	22	438,320
Public.....	92	15,092,215	67	14,229,888	25	862,327	Public.....	46	10,679,839	31	10,087,688	15	532,251
Distribution not reported.....	8	319,007	7	271,007	1	48,000	Distribution not reported.....	2	56,876	1	8,576	1	48,000
Distributed by class of public ownership.....	84	14,773,208	60	13,958,881	24	814,327	Distributed by class of public ownership.....	44	10,622,063	30	10,078,712	14	544,251
Federal.....	22	1,670,896	16	1,626,268	6	44,628	Federal.....	15	1,174,475	11	1,160,132	4	14,343
State.....	36	3,061,737	24	3,449,374	11	212,363	State.....	13	1,824,306	9	1,700,165	4	124,140
County or township.....	24	1,983,065	13	1,868,467	11	114,608	County or township.....	11	1,602,358	6	1,447,384	5	54,974
Municipal.....	47	7,567,510	30	7,114,782	17	442,728	Municipal.....	29	6,121,826	18	5,771,031	11	360,794
All business under general contract or directly for owners.....	134	20,486,009	107	28,213,295	27	1,267,714	All business under general contract or directly for owners.....	69	20,696,519	52	19,792,936	17	903,583
Distribution not reported.....	4	418,035	3	364,805	1	53,230	Distribution not reported.....	1	156,479	1	165,479	2	136,582
Distributed by class.....	130	29,067,974	104	27,853,490	26	1,214,484	Distributed by class.....	68	20,541,040	51	19,637,457	17	903,583
Building.....	90	18,337,404	67	17,392,568	23	944,836	Building.....	49	12,790,880	34	12,073,669	15	717,211
Distribution not reported.....	12	2,080,288	9	1,929,607	3	160,661	Distribution not reported.....	7	1,630,789	6	1,494,927	2	136,582
Distributed by class.....	78	16,267,146	58	15,462,961	20	794,185	Distributed by class.....	42	11,160,991	29	10,678,742	13	581,349
Commercial.....	50	5,073,638	40	4,896,989	10	176,649	Commercial.....	25	3,436,089	18	3,292,109	7	142,980
Educational.....	27	2,781,471	23	2,760,390	4	15,081	Educational.....	13	1,977,637	10	1,967,087	3	9,650
Hotel.....	8	444,162	5	592,649	3	44,404	Hotel.....	3	27,121	1	(?)	2	(?)
Hospital and institutional.....	9	192,851	8	597,968	1	111,585	Hospital and institutional.....	7	173,707	7	173,707	5	111,585
Manufacturing.....	10	709,653	11	745,833	6	20,887	Manufacturing.....	12	313,316	7	313,316	2	153,213
Public: Courts, jails, etc.....	7	745,833	7	1,187,148	3	267,203	Public: Courts, jails, etc.....	3	636,218	3	636,218	2	153,213
Religious and memorial.....	15	1,214,036	12	1,426,737	3	20,887	Religious and memorial.....	9	929,623	7	(?)	2	(?)
Residential.....	55	1,692,940	41	3,186,471	14	43,774	Residential.....	29	850,085	21	690,852	8	163,213
Social and recreational.....	10	2,658,608	8	3,186,471	2	43,774	Social and recreational.....	9	2,107,395	7	2,635,228	2	43,774
Rail and water transportation.....	4	571,637	2	63,876	2	108,542	Rail and water transportation.....	4	571,637	2	63,876	2	108,542
Air transport.....	15	172,418	8	5,021,901	1	50,411	Air transport.....	11	139,313	6	45,771	0	93,542
Miscellaneous.....	20	5,046,760	18	6,400,877	2	62,901	Miscellaneous.....	7	2,751,048	6	2,751,784	1	34,411
Highway and street.....	2	34,552	0	690,943	1	25,469	Highway and street.....	2	34,552	1	1,569,110	1	2,432
Railroad and car line.....	1	5,463,478	30	107,743	4	25,469	Railroad and car line.....	2	5,463,478	18	4,773,560	3	27,901
Air transport work.....	34	107,743	6	608,669	1	1,467,023	Air transport work.....	7	98,788	6	670,988	2	25,469
Public works and utilities.....	8	608,669	3	(?)	1	(?)	Public works and utilities.....	4	608,669	3	1,467,023	1	1,569,110
Bridge, tunnel, etc.....	4	1,542,023	9	(?)	1	(?)	Bridge, tunnel, etc.....	8	1,467,023	7	1,569,110	1	2,432
Central station, light and power plant.....	10	838,508	10	2,350,347	1	10,098	Central station, light and power plant.....	1	104,510	1	1,569,110	1	2,432
Dock, pier, retaining wall, etc.....	11	2,133,271	9	38,444	4	147,336	Dock, pier, retaining wall, etc.....	4	608,669	3	1,467,023	1	1,569,110
Flood control, irrigation, and land drainage.....	10	838,508	10	2,350,347	1	10,098	Flood control, irrigation, and land drainage.....	1	104,510	1	1,569,110	1	2,432
Sewage disposal and drainage.....	2	233,174	2	38,444	4	147,336	Sewage disposal and drainage.....	5	467,703	5	467,703	5	104,078
Refuse disposal plant.....	1	10,098	1	10,098	1	10,098	Refuse disposal plant.....	1	2,059,759	7	2,059,759	7	38,551
Park, grounds, etc.....	2	233,174	2	38,444	4	147,336	Park, grounds, etc.....	1	104,510	1	1,569,110	1	2,432
River and harbor improvement.....	2	233,174	2	38,444	4	147,336	River and harbor improvement.....	1	104,510	1	1,569,110	1	2,432
Water supply.....	2	233,174	2	38,444	4	147,336	Water supply.....	1	104,510	1	1,569,110	1	2,432
Miscellaneous, n. e. s.....	8	185,780	8	38,444	4	147,336	Miscellaneous, n. e. s.....	7	162,604	4	38,444	3	124,080
All business under subcontract.....	69	5,466,941	7	617,631	62	4,839,410	All business under subcontract.....	50	4,506,006	4	545,190	46	3,960,906
Distribution not reported.....	2	33,366	1	2,945	1	80,421	Distribution not reported.....	2	33,366	2	33,366	1	80,421
Distributed by class.....	67	5,423,675	6	614,686	61	4,808,989	Distributed by class.....	48	4,472,640	2	511,854	46	3,960,906
Concreting.....	3	255,767	2	255,767	1	97,908	Concreting.....	13	749,256	13	749,256	13	749,256
Foundation.....	2	160,377	1	308,226	1	97,908	Foundation.....	1	377,406	1	(?)	1	(?)
Masonry.....	1	160,377	1	308,226	1	97,908	Masonry.....	1	377,406	1	(?)	1	(?)
Stone work.....	1	160,377	1	308,226	1	97,908	Stone work.....	1	377,406	1	(?)	1	(?)
Electrical.....	15	804,401	15	804,401	15	804,401	Electrical.....	13	749,256	13	749,256	13	749,256
Heating and plumbing.....	13	1,126,648	13	1,126,648	13	1,126,648	Heating and plumbing.....	10	737,022	10	737,022	10	737,022
Heating and piping.....	3	201,978	3	201,978	3	201,978	Heating and piping.....	3	234,828	3	234,828	3	234,828
Pipe covering.....	3	5,263	3	5,263	3	5,263	Pipe covering.....	3	5,263	3	5,263	3	5,263
Plumbing.....	14	531,902	14	531,902	14	531,902	Plumbing.....	2	497,531	2	497,531	2	497,531
Plumbing and heating combined.....	3	297,505	3	297,505	3	297,505	Plumbing and heating combined.....	5	164,078	5	164,078	5	164,078
Carpentering and wood flooring.....	1	1,126,648	1	1,126,648	1	1,126,648	Carpentering and wood flooring.....	1	541,134	1	541,134	1	541,134
Painting and decorating.....	5	254,716	5	254,716	5	254,716	Painting and decorating.....	1	541,134	1	541,134	1	541,134
Glass and glazing.....	1	254,716	1	254,716	1	254,716	Glass and glazing.....	1	541,134	1	541,134	1	541,134
Plastering and lathing.....	1	254,716	1	254,716	1	254,716	Plastering and lathing.....	1	541,134	1	541,134	1	541,134
Marble and tiling.....	8	725,102	8	725,102	8	725,102	Marble and tiling.....	1	541,134	1	541,134	1	541,134
Roofing and sheet-metal work.....	5	623,295	5	623,295	5	623,295	Roofing and sheet-metal work.....	3	433,990	3	433,990	3	433,990
Roofing.....	5	172,679	5	172,679	5	172,679	Roofing.....	3	85,131	3	85,131	3	85,131
Sheet-metal work.....	5	312,923	5	312,923	5	312,923	Sheet-metal work.....	3	348,859	3	348,859	3	348,859
Roofing and sheet metal combined.....	3	137,693	3	137,693	3	137,693	Roofing and sheet metal combined.....	1	1,176,919	1	1,176,919	1	1,176,919
Steel erection.....	8	1,176,919	8	1,176,919	8	1,176,919	Steel erection.....	3	325,602	2	(?)	1	(?)
Grading.....	1	306,360	1	306,360	1	306,360	Grading.....	8	325,602	2	(?)	1	(?)
Dam and reservoir.....	1	306,360	1	306,360	1	306,360	Dam and reservoir.....	1	306,360	1	306,360	1	306,360
Dredging, river, harbor, etc.....	2	306,360	2	306,360	2	306,360	Dredging, river, harbor, etc.....	2	306,360	2	306,360	2	306,360

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—dredging, river, harbor, etc.; Subcontractors—carpentering, l.

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	101	27,774,617	17,348,800	21,913,333	5,861,284	General contractors	49	19,838,202	13,928,055	15,836,258	4,001,944
Building	60	16,841,852	12,601,530	14,568,549	2,273,303	Building	31	12,037,885	9,853,042	10,493,425	1,544,460
Building not specialized ²	48	10,122,538	12,069,116	13,866,035	2,256,503	Building not specialized	24	11,648,769	9,463,916	10,104,200	1,544,460
Commercial building only	3	242,041	81,141	225,241	16,800	Residential building only	7	380,126	389,126	389,126	
Residential building only	9	477,273	451,273	477,273		Street paving	4	2,463,722	2,463,722	2,463,722	
Highway	9	1,491,348	150,000	743,614	747,734	Dredging, river, harbor, etc.	4	3,543,465	1,031,805	1,660,081	1,882,484
Street paving	6	3,300,430	2,903,693	3,019,050	281,386	Levee	4	590,644		590,644	
Sewer, gas, water, conduit	5	662,720	679,486	662,720		Other classes ³	6	1,202,480	570,486	627,486	575,000
Dredging, river, harbor, etc.	8	3,816,845	1,033,605	1,867,447	1,949,398	Subcontractors	46	4,036,264	3,345,253	3,768,884	267,380
Levee	9	902,084	36,616	867,621	34,463	Electrical	12	887,850	773,773	804,523	83,327
Other classes ⁴	4	750,326	44,000	184,326	575,000	Heating and plumbing	12	820,840	802,453	820,840	
Subcontractors	64	5,062,349	4,016,222	4,591,103	471,246	Heating and piping	4	172,768	172,768	172,768	
Electrical	13	952,076	837,999	868,749	83,327	Plumbing	5	310,648	296,761	310,648	
Heating and plumbing	19	1,239,247	1,115,160	1,133,547	105,700	Plumbing and heating combined	3	337,424	332,924	337,424	
Heating and piping	4	172,768	172,768	172,768		Painting, decorating, and glazing	6	317,820	290,456	317,820	
Plumbing	11	652,749	533,162	547,049	105,700	Roofing and sheet-metal work	5	517,388	492,388	517,388	
Plumbing and heating combined	4	413,730	409,230	413,730		Marble, tiling, and plastering	5	385,708	252,892	323,286	62,422
Painting, decorating, and glazing	6	317,820	290,486	317,820		Other classes ⁵	6	1,106,658	724,261	985,027	121,631
Roofing and sheet-metal work	9	764,582	591,495	681,391	83,191						
Roofing	3	232,656	91,463	152,767	79,789						
Sheet-metal work	3	364,233	339,233	304,233							
Roofing and sheet metal combined	3	167,793	160,709	164,391	3,402						
Steel erection ⁶	3	920,506	633,478	838,763	81,743						
Marble, tiling, and plastering	9	609,097	422,821	522,700	77,397						
Other classes ⁷	5	268,021	116,783	228,133	30,888						

¹ Includes operative builders.
² Includes bridge and culvert; grading; and central station, light and power plant.
³ Includes metal work, n. e. s.
⁴ Includes carpentering and wood flooring; concreting; masonry; and foundation.
⁵ Includes bridge and culvert; sewer, gas, water, conduit; and central station, light and power plant.
⁶ Includes carpentering and wood flooring; steel erection; stonework; foundation.

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
LOUISIANA				NEW ORLEANS			
Total distributed by State ¹	\$6,332,530	\$5,861,284	\$471,246	Total distributed by State ²	\$4,260,324	\$4,001,944	\$267,380
Alabama	1,013,848	959,495	54,353	Alabama	1,013,848	959,495	54,353
Arkansas	809,865	802,117	7,748	Arkansas	44,459	43,459	1,000
Florida	654,955	608,185	46,767	Florida	350,293	303,520	46,767
Mississippi	1,700,244	1,423,335	285,909	Mississippi	1,143,674	1,048,154	100,420
Tennessee	535,080	534,580	500	Tennessee	215,018	215,118	500
Texas	695,329	614,300	75,969	Texas	616,780	552,446	64,340
Other States, not specified	914,209	914,209		Other States, not specified	879,740	879,740	

Number of establishments reporting:
¹ All classes, 34; general contractors, 20; subcontractors, 14.
² All classes, 16; general contractors, 7; subcontractors, 9.

CONSTRUCTION—LOUISIANA

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

CLASSIFICATION OF ESTABLISHMENTS	Estab-lish-ments reporting	PROPRIETORS AND FIRM MEMBERS			SALARIED EMPLOYEES									Sex not reported
		Receiv-ing no salary	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	
LOUISIANA	174	85	49	\$181,793	709	\$1,828,712	397	\$1,086,013	312	\$760,699	607	528	79	102
General contractors ¹	108	70	28	106,455	484	1,296,578	220	642,640	264	653,938	422	381	41	62
Building	84	42	17	57,919	237	702,803	129	381,357	108	321,446	214	187	27	23
Building not specialized ¹	82	31	15	53,245	222	687,563	126	381,023	96	306,540	202	175	27	20
Commercial building only	3	2	1	1,500	8	9,330			8	9,330	8	8		3
Residential building only	9	9	1	3,174	7	5,910	3	334	4	5,576	4	4		
Highway	10	10	5	14,400	32	74,285	11	28,085	21	46,200	32	32		
Street paving	7	3	2	5,860	48	122,587	16	49,860	32	72,727	31	28	3	17
Sewer, gas, water, conduit	6	4	2	21,086	25	39,767	8	8,985	17	30,782	23	22	1	2
Dredging, river, harbor, etc.	8	3			87	228,342	28	101,362	59	126,980	87	80	7	
Levee	0	4	2	7,200	44	111,063	21	63,921	23	47,142	31	29	2	13
Other classes ²	4	4			11	17,731	7	9,070	4	8,661	4	3	1	7
Subcontractors	66	25	21	75,388	226	530,134	177	423,373	48	106,761	185	147	38	40
Electrical	14	4	1	3,149	62	153,254	50	125,295	12	27,959	59	49	10	3
Heating and plumbing	19	5	7	21,520	49	113,680	38	86,066	11	27,014	39	30	9	10
Heating and piping	4		3	12,200	3	4,004	2	1,404	1	2,600	2	2		1
Plumbing	11	4	4	9,320	32	82,974	25	63,260	7	19,714	23	19	4	9
Plumbing and heating combined	4				14	26,702	11	22,002	3	4,700	14	9	5	
Painting, decorating, and glazing	6	5	1	4,000	12	31,248	10	26,776	2	4,472	4	2	2	8
Roofing and sheet-metal work	9	2	4	19,923	35	83,959	28	66,659	7	17,300	29	24	5	6
Roofing	3	1	2	8,400	6	14,291	5	11,291	1	3,000	6	4	2	
Sheet-metal work	3				20	49,276	17	42,386	3	6,890	20	18	2	
Roofing and sheet metal combined	3	1	2	11,523	9	20,392	6	12,982	3	7,410	3	2	1	6
Steel erection ³	3				30	47,929	19	28,308	11	19,621	30	24	6	
Marble, tiling, and plastering	10	7	2	8,746	23	59,285	22	55,685	1	3,600	20	15	5	3
Other classes ⁴	5	2	6	18,000	14	40,779	10	33,984	4	6,795	4	3	1	10
NEW ORLEANS	98	40	24	96,086	487	1,295,507	281	771,589	206	524,318	430	370	60	87
General contractors	52	29	10	43,344	310	874,669	136	420,113	174	454,556	284	254	30	26
Building	31	17	7	22,494	160	467,205	80	246,503	70	220,702	142	123	19	8
Building not specialized	24	10	6	19,320	145	464,205	77	246,160	68	213,126	140	121	19	5
Residential building only	7	7	1	3,174	5	2,610	3	334	2	2,576	2	2		3
Street paving	5	2	2	5,860	31	91,487	11	37,700	20	53,727	31	28	3	
Sewer, gas, water, conduit	5	4	1	15,000	22	34,967	8	8,985	14	25,982	20	19	1	2
Dredging, river, harbor, etc.	4	3			75	199,492	20	81,462	55	118,030	75	69	6	
Levee	4	2			18	49,987	8	28,233	10	21,754	9	9		0
Other classes ⁵	3	1			14	31,531	9	17,170	5	14,361	7	6	1	7
Subcontractors	46	17	14	52,742	177	421,238	145	351,476	32	99,762	146	116	30	31
Electrical	13	4	1	3,149	58	145,099	48	120,195	10	24,904	55	46	9	3
Heating and plumbing	11	4	4	15,320	31	77,942	27	67,442	4	10,500	22	18	4	0
Heating and piping	4		3	12,200	3	4,004	2	1,404	1	2,600	2	2		1
Plumbing	4		1	3,120	17	50,688	15	45,388	2	5,200	9	8		8
Plumbing and heating combined	3				11	23,350	10	20,650	1	2,700	11	8	3	
Painting, decorating, and glazing	6	5	1	4,000	12	31,248	10	26,776	2	4,472	4	2	2	8
Roofing and sheet-metal work	5	1	2	14,073	25	58,860	21	49,800	4	8,970	25	21	4	1
Marble, tiling, and plastering	6	6	1	4,200	15	32,381	15	32,381			14	9	5	0
Other classes ⁶	5	1	5	12,000	36	75,708	24	54,792	12	20,916	26	20	6	10

¹ Includes operative builders.² Includes bridge and culvert; grading; and central station, light and power plant.³ Includes metal work, n. c. s.⁴ Includes carpentering and wood flooring; concreting; stonework; excavating; and foundation.⁵ Includes highway; bridge and culvert; and central station, light and power plant.⁶ Includes carpentering and wood flooring; steel erection; stonework; and foundation.

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

CLASSIFICATION OF ESTABLISHMENTS AND PERCENTAGE OF EQUIPMENT OWNED	Es-tab-lish-ments re- port- ing	EQUIPMENT		Value of con- struction bus- iness re- ported	Wages paid	CLASSIFICATION OF ESTABLISHMENTS AND PERCENTAGE OF EQUIPMENT OWNED	Es-tab-lish-ments re- port- ing	EQUIPMENT		Value of con- struction bus- iness re- ported	Wages paid
		Pur- chased during the year	Inventory value at end of year					Pur- chased during the year	Inventory value at end of year		
LOUISIANA.....	142	\$849, 622	\$3, 451, 860	\$30, 620, 469	\$6, 709, 952	NEW ORLEANS.....	81	\$525, 774	\$2, 292, 944	\$22, 560, 375	\$4, 675, 862
<i>Classification of establish- ments</i>						<i>Classification of establish- ments</i>					
General contractors ¹	61	795, 324	2, 950, 494	20, 093, 466	5, 555, 659	General contractors.....	45	488, 546	1, 885, 513	10, 042, 119	3, 653, 369
Building.....	53	134, 833	445, 600	16, 127, 095	3, 175, 228	Building.....	27	103, 007	316, 097	11, 732, 569	2, 020, 787
Building not specialized ¹	44	133, 896	425, 058	15, 576, 005	3, 070, 290	Building not specialized.....	22	103, 282	305, 597	11, 485, 667	1, 968, 279
Commercial building only.....	3	360	6, 835	242, 041	40, 874	Residential building only.....	5	325	10, 500	246, 902	62, 508
Residential building only.....	6	577	13, 707	309, 049	64, 058	Street paving.....	3	62, 817	121, 351	1, 699, 652	305, 621
Highway.....	8	153, 087	365, 060	1, 207, 816	417, 294	Sewer, gas, water, conduit.....	5	85, 480	81, 317	737, 310	204, 465
Street paving.....	5	97, 630	247, 007	2, 536, 306	448, 621	Dredging, river, harbor, etc.....	4	107, 288	874, 900	3, 543, 465	899, 363
Sewer, gas, water, conduit.....	6	86, 436	87, 850	820, 550	218, 865	Levee.....	3	124, 254	359, 057	550, 044	121, 816
Dredging, river, harbor, etc.....	8	129, 696	1, 131, 214	3, 816, 845	995, 733	Other classes ²	3	5, 000	132, 791	778, 479	101, 817
Levee.....	7	175, 973	661, 172	825, 488	189, 113	Subcontractors.....	36	37, 228	407, 431	3, 518, 256	922, 493
Other classes ²	4	17, 069	31, 591	759, 326	110, 805	Electrical.....	9	11, 618	18, 745	687, 096	193, 747
Subcontractors.....	51	54, 208	492, 366	4, 527, 003	1, 154, 323	Heating and plumbing.....	8	3, 981	21, 453	531, 377	90, 363
Electrical.....	9	11, 618	18, 745	687, 096	193, 747	Plumbing.....	4	998	7, 151	154, 886	43, 363
Heating and plumbing.....	13	7, 769	31, 164	952, 093	180, 419	Plumbing and heating com- bined.....	4	2, 093	14, 302	376, 492	47, 010
Plumbing.....	8	4, 776	16, 284	490, 295	119, 008	Painting, decorating, and glaz- ing.....	4	379	8, 157	253, 393	109, 344
Plumbing and heating com- bined.....	5	2, 983	14, 880	452, 798	60, 811	Roofing and sheet-metal work.....	5	5, 169	21, 055	517, 388	120, 688
Painting, decorating, and glaz- ing.....	4	379	8, 157	253, 393	109, 344	Marble, tiling, and plastering.....	6	4, 570	12, 287	541, 134	162, 685
Roofing and sheet-metal work.....	9	10, 011	42, 241	764, 582	183, 515	Other classes ³	4	11, 511	324, 833	987, 868	249, 671
Roofing.....	3	681	5, 960	232, 556	51, 055	<i>Percentage of equipment owned⁴</i>					
Sheet-metal work.....	3	5, 169	15, 901	364, 233	99, 506	General contractors.....	45	488, 540	1, 885, 513	10, 042, 119	3, 653, 369
Roofing and sheet metal com- bined.....	3	4, 161	20, 390	167, 793	32, 054	None.....	1			72, 908	8, 800
Steel erection ⁵	3	13, 177	823, 524	920, 506	245, 632	76% to 99%.....	11	138, 038	392, 000	8, 373, 696	1, 275, 151
Marble, tiling, and plastering.....	9	4, 570	18, 876	725, 102	189, 020	100%.....	28	288, 547	1, 389, 810	9, 135, 237	2, 054, 243
Other classes ⁴	4	6, 784	40, 659	224, 231	52, 040	Not reported.....	5	61, 961	108, 043	1, 400, 228	315, 195
<i>Percentage of equipment owned</i>						Subcontractors.....	36	37, 228	407, 431	3, 518, 256	922, 493
General contractors ¹	61	795, 324	2, 950, 494	20, 093, 466	5, 555, 659	None.....	1			61, 000	12, 000
None.....	3			161, 631	32, 050	76% to 99%.....	1			527	25, 489
1% to 25%.....	1	12, 000	15, 000	44, 000	20, 000	100%.....	32	27, 404	408, 338	3, 249, 151	868, 594
26% to 50%.....	1					Not reported.....	2	9, 824	3, 506	182, 610	37, 809
51% to 75%.....	13	138, 898	399, 800	8, 402, 357	1, 298, 253	Subcontractors.....	51	54, 208	492, 366	4, 527, 003	1, 154, 323
76% to 99%.....	09	582, 465	2, 441, 591	15, 935, 250	3, 890, 161	None.....	2			98, 000	23, 534
100%.....	5	61, 961	108, 043	1, 400, 228	315, 195	1% to 25%.....					
Not reported.....	5	61, 961	108, 043	1, 400, 228	315, 195	26% to 50%.....					
Subcontractors.....	51	54, 208	492, 366	4, 527, 003	1, 154, 323	51% to 75%.....					
None.....	2			98, 000	23, 534	76% to 99%.....					
1% to 25%.....						100%.....					
26% to 50%.....						Not reported.....					
51% to 75%.....											
76% to 99%.....											
100%.....											
Not reported.....											

1 Includes operative builders.
 2 Includes bridge and culvert; grading; and central station, light and power plant.
 3 Includes metal work, n. o. s.
 4 Includes carpentering and wood flooring; concreting; excavating; and foundation.
 5 Includes highway; bridge and culvert; and central station, light and power plant.
 6 Includes carpentering and wood flooring; steel erection; and foundation.
 7 For complete classification see tabulation for State above.

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

CLASSIFICATION OF ESTABLISHMENTS AND LENGTH OF WORKING WEEK	Estab-lish-ments re- port- 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	
LOUISIANA.....	149	4, 257	4, 045	5, 209	5, 626	6, 042	6, 064	6, 707	6, 661	6, 384	6, 353	5, 931	5, 671	\$6, 528, 969
<i>Classification of establish- ments</i>														
General contractors ¹	87	3, 366	3, 645	4, 270	4, 732	5, 182	5, 151	5, 081	5, 613	5, 327	5, 183	4, 803	4, 726	5, 096, 920
Building.....	51	1, 579	1, 833	2, 190	2, 603	2, 997	3, 016	3, 241	3, 153	2, 885	2, 478	2, 074	1, 833	2, 776, 376
Building not specialized ¹	44	1, 535	1, 781	2, 118	2, 532	2, 927	2, 936	3, 164	3, 062	2, 804	2, 383	1, 987	1, 704	2, 077, 317
Residential building only.....	7	44	62	72	71	70	80	77	91	81	95	87	69	99, 058
Highway.....	8	234	245	314	454	498	529	505	546	569	632	546	536	430, 556
Street paving.....	5	377	365	370	412	406	343	374	323	299	474	404	309	408, 620
Dredging, river, harbor, etc.....	8	734	769	895	877	880	863	921	941	916	930	1, 013	941	995, 733
Levee.....	8	313	249	283	174	156	164	297	348	320	340	306	304	208, 696
Other classes ²	7	129	184	218	212	245	236	253	303	338	329	520	713	276, 911
Subcontractors.....	62	891	1, 000	939	894	800	943	1, 026	1, 048	1, 057	1, 170	1, 098	945	1, 432, 039
Electrical.....	14	178	199	165	162	159	153	138	146	155	170	154	170	285, 715
Heating and plumbing.....	18	198	183	157	152	148	163	201	215	225	258	232	194	266, 551
Heating and piping.....	4	15	19	17	18	13	18	16	29	26	34	29	22	29, 697
Plumbing.....	11	159	143	125	118	115	128	156	155	160	169	144	119	193, 686
Plumbing and heating combined.....	3	24	21	15	16	20	17	29	31	39	55	69	63	43, 168
Painting, decorating, and glaz- ing.....	6	52	99	89	95	75	77	93	129	151	149	114	75	136, 115
Roofing and sheet-metal work.....	7	124	143	130	128	115	127	150	146	147	184	176	144	163, 603
Roofing.....	3	23	29	32	33	25	28	27	23	27	20	30	29	51, 055
Sheet-metal work.....	4	101	114	98	95	90	99	123	123	120	164	146	115	112, 548
Steel erection.....	3	222	260	256	211	198	231	245	195	186	147	165	157	326, 889
Marble, tiling, and plastering.....	9	85	85	96	100	112	137	140	156	138	160	168	147	189, 020
Other classes ³	5	32	31	46	46	53	55	59	61	55	102	61	68	64, 146

See footnotes at end of table.

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

CLASSIFICATION OF ESTABLISHMENTS AND LENGTH OF WORKING WEEK	Establishments reporting	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY												Wages paid during year
		January	February	March	April	May	June	July	August	September	October	November	December	
LOUISIANA—Continued.														
<i>Length of working week</i>														
General contractors ¹	87	3,366	3,645	4,270	4,732	5,182	5,151	5,681	5,613	5,327	5,183	4,863	4,726	\$5,000,920
40-hour, 5-day week.....	1	2	3	3	5	7	7	5	8	5	5	3	2	8,800
45-hour, 5-day week.....	1	10	23	30	30	30	30	40	20	12	10	8	5	17,792
50-hour, 5-day week.....	1	1	1	30	50	70	70	70	20	20	20	10	10	40,000
All other 5-day week.....	26	1,070	1,228	1,521	1,610	1,966	1,000	2,154	2,188	2,024	1,696	1,453	1,405	1,942,179
40½-hour, 5½-day week.....	3	288	294	299	380	379	328	336	303	309	478	447	446	865,766
55-hour, 5½-day week.....	12	213	222	209	241	320	270	438	452	307	337	346	331	377,238
All other 5½-day week.....	7	407	513	464	576	598	494	422	376	380	354	274	257	465,244
48-hour, 6-day week.....	6	102	115	125	143	158	180	158	185	206	179	170	176	180,107
54-hour, 6-day week.....	16	526	596	908	910	872	994	1,060	1,133	1,137	1,228	1,321	1,302	934,901
All other 6-day week.....	9	184	184	155	257	264	333	463	355	317	260	236	236	282,028
All other not designated.....	3	455	449	508	500	496	501	508	502	511	532	545	486	508,513
Not reported.....	2	19	18	17	21	22	26	21	21	18	27	26	20	18,352
Subcontractors.....	62	891	1,000	939	894	860	943	1,026	1,048	1,057	1,170	1,068	945	1,432,039
40-hour, 5-day week.....	1	15	15	14	18	17	15	15	15	14	15	15	15	25,000
45-hour, 5-day week.....	1	15	15	14	18	17	15	15	15	14	15	15	15	25,000
50-hour, 5-day week.....	1	15	15	14	18	17	15	15	15	14	15	15	15	25,000
All other 5-day week.....	43	639	704	662	640	602	634	708	711	757	841	759	645	1,024,795
44-hour, 5½-day week.....	1	5	6	5	8	6	3	7	5	6	4	8	7	13,718
49½-hour, 5½-day week.....	1	12	12	13	11	11	10	9	7	9	2	2	2	8,862
55-hour, 5½-day week.....	7	160	172	167	134	130	176	168	164	149	158	161	163	222,471
All other 5½-day week.....	3	27	25	21	24	34	42	54	59	48	71	69	53	60,052
48-hour, 6-day week.....	1	7	9	9	7	7	8	8	8	7	9	9	9	7,567
54-hour, 6-day week.....	2	11	10	14	23	25	28	28	28	27	28	28	19	25,866
All other 6-day week.....	2	29	53	31	27	25	25	26	48	43	38	33	30	39,263
All other not designated.....	1	3	3	3	3	3	3	3	3	4	4	3	2	4,445
Not reported.....	1	3	3	3	3	3	3	3	3	4	4	3	2	4,445
NEW ORLEANS.														
<i>Classification of establishment</i>														
General contractors.....	48	2,448	2,649	2,940	3,258	3,623	3,510	3,906	3,767	3,553	3,438	3,245	3,255	3,009,216
Building.....	28	1,116	1,296	1,374	1,725	2,068	2,101	2,294	2,123	1,966	1,944	1,237	1,180	1,885,122
Building not specialized.....	22	1,074	1,246	1,304	1,656	2,000	2,023	2,218	2,036	1,888	1,571	1,231	1,132	1,797,614
Residential building only.....	6	42	50	70	69	68	78	76	87	78	73	66	54	87,508
Street paving.....	4	342	330	335	387	381	318	349	298	274	454	389	384	383,020
Sewer, gas, water, conduit.....	5	44	95	141	142	189	168	191	246	279	273	468	604	204,465
Dredging, river, harbor, etc.....	4	625	641	777	770	758	724	802	822	770	709	885	813	899,363
Locks.....	4	206	170	200	114	111	74	136	100	146	147	124	141	135,329
Other classes ²	3	115	117	113	120	116	131	134	118	118	121	92	67	101,817
Subcontractors.....	48	767	863	893	757	727	796	867	893	893	1,010	919	809	1,227,377
Electrical.....	13	170	190	157	153	150	142	128	136	147	162	140	103	274,947
Heating and plumbing.....	13	151	136	113	109	102	111	138	165	169	194	180	149	185,237
Heating and piping.....	4	15	19	17	18	13	18	16	29	26	34	29	22	29,697
Plumbing.....	6	112	96	81	75	69	70	93	105	104	105	92	74	112,872
Plumbing and heating combined.....	3	24	21	15	16	20	17	20	31	39	55	59	53	43,168
Painting, decorating, and glazing.....	6	52	99	89	95	75	77	93	129	151	149	114	75	130,115
Roofing and sheet-metal work.....	4	91	100	87	89	86	85	116	117	113	156	147	105	113,224
Steel erection.....	3	222	260	255	211	198	231	245	195	186	147	165	157	326,889
Marble, tiling, and plastering.....	6	60	57	69	77	88	113	116	113	99	128	134	121	152,685
Other classes ³	3	21	21	32	23	28	27	31	33	28	74	33	30	38,280
<i>Length of working week⁴</i>														
General contractors.....	48	2,448	2,649	2,940	3,258	3,623	3,510	3,906	3,767	3,553	3,438	3,245	3,255	3,009,216
40-hour, 5-day week.....	1	2	3	3	5	7	7	5	8	5	5	3	2	8,800
44-hour, 5½-day week.....	19	806	1,029	1,336	1,426	1,746	1,717	1,965	2,017	1,843	1,597	1,388	1,301	1,716,611
55-hour, 5½-day week.....	3	288	294	269	389	379	328	336	303	309	478	447	446	865,766
All other 5½-day week.....	7	159	158	152	177	288	204	279	284	237	224	212	193	253,558
48-hour, 6-day week.....	4	418	474	424	514	517	440	377	321	333	324	260	228	360,017
54-hour, 6-day week.....	4	130	124	117	111	98	106	87	92	98	94	282	428	39,782
All other 6-day week.....	5	137	149	112	140	166	223	341	226	200	164	92	77	142,164
All other not designated.....	2	399	380	445	440	415	425	445	445	445	470	480	435	205,602
Not reported.....	2	19	18	17	21	22	26	21	21	18	27	26	20	478,084
Subcontractors.....	48	767	863	893	757	727	796	867	893	893	1,010	919	809	1,227,377
45-hour, 5-day week.....	1	15	15	14	18	17	15	15	15	14	15	15	15	25,000
44-hour, 5½-day week.....	33	535	596	550	543	505	530	592	597	635	734	659	542	867,539
49½-hour, 5½-day week.....	1	5	6	5	8	6	3	7	5	6	4	8	7	13,718
55-hour, 5½-day week.....	1	12	12	13	11	11	10	9	7	9	2	2	2	8,862
All other 5½-day week.....	6	145	167	163	129	125	170	163	160	144	153	146	159	217,412
48-hour, 6-day week.....	2	23	21	15	18	28	32	44	50	38	51	53	43	43,521
54-hour, 6-day week.....	1	7	9	9	7	7	8	8	8	8	9	9	9	7,567
All other 6-day week.....	2	29	53	31	27	25	25	26	48	43	38	33	30	39,263
All other not designated.....	1	3	3	3	3	3	3	3	3	4	4	3	2	4,445

¹ Includes operative builders.² Includes bridge and culvert; sewer, gas, water, conduit; and central station, light and power plant.³ Includes carpentering and wood flooring; concreting; stonework; excavating; and foundation.⁴ Includes highway; bridge and culvert; and central station, light and power plant.⁵ Includes carpentering and wood flooring; stonework; and foundation.⁶ For complete classification see tabulation for State above.

CONSTRUCTION—LOUISIANA

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TABLE 8.—EXPENDITURES OF REPORTING ESTABLISHMENTS: 1929

CLASSIFICATION OF ESTABLISHMENTS	Es- tab- lish- ments re- port- ing	Value of construc- tion busi- ness re- ported	PRINCIPAL ITEMS OF EXPENDITURE			OTHER ITEMS OF EXPENDITURE							
			Subcon- tract work let	Wages paid	Cost of materials	Salaries		Rent for		Interest	Contract bond premi- ums	Compen- sation and lia- bility insur- ance premi- ums	All other overhead expenses
						Propri- etors and firm mem- bers	Em- ploy- ees	Equip- ment	Offices, etc.				
LOUISIANA	143	\$27,752,631	\$5,900,000	\$5,925,209	\$9,104,883	\$183,332	\$1,485,524	\$30,966	\$121,135	\$136,373	\$190,096	\$201,236	\$2,140,250
General contractors ¹	82	22,085,620	5,827,000	4,534,292	6,430,955	62,194	993,108	30,116	54,643	102,160	182,039	158,974	1,597,375
Building.....	54	15,382,855	5,316,000	2,965,477	4,309,024	47,794	645,731	11,969	40,382	61,262	134,629	100,161	417,652
Building not specialized ²	43	14,089,541	5,076,000	2,825,545	4,102,459	43,120	638,491	11,969	37,234	51,506	129,419	95,067	400,632
Commercial building only.....	3	242,041	99,000	40,874	54,015	1,500	9,330	-----	1,524	8,476	2,435	2,380	5,387
Residential building only.....	8	451,273	141,000	99,058	152,550	3,174	2,910	-----	1,624	1,280	2,775	2,704	11,633
Highway.....	7	987,878	110,000	363,345	208,007	7,200	55,865	512	1,425	11,801	7,843	9,089	107,067
Street paving.....	4	2,463,722	368,000	383,020	1,256,043	81,069	4,930	3,349	3,715	21,833	10,621	13,021	658,118
Dredging, river, harbor, etc.....	6	1,695,283	11,000	520,719	90,025	-----	103,756	4,076	6,192	4,347	4,124	25,321	285,189
Levee.....	7	655,468	10,000	154,974	17,709	7,200	82,103	2,338	2,945	20,168	9,871	6,490	16,345
Other classes ³	5	900,423	12,000	146,157	513,997	-----	23,982	5,091	350	867	3,730	4,666	-----
Subcontractors.....	61	5,667,002	73,000	1,390,917	2,673,908	121,138	492,418	850	66,492	34,213	8,057	44,262	542,875
Electrical.....	11	880,645	-----	223,509	364,293	3,149	120,165	-----	12,195	9,340	1,055	3,726	73,061
Heating and plumbing.....	18	1,417,645	7,000	264,418	745,658	77,320	111,080	850	21,000	7,286	5,850	6,238	135,655
Heating and piping.....	3	134,721	-----	18,731	74,300	12,200	1,404	-----	2,100	542	873	443	8,068
Plumbing.....	11	869,194	7,000	188,718	405,427	65,120	82,974	850	9,342	5,072	1,902	5,067	82,906
Plumbing and heating combined.....	4	413,730	-----	56,009	265,931	20,702	20,702	-----	9,658	772	3,084	738	44,681
Painting, decorating, and glazing.....	5	290,820	11,000	120,610	83,024	-----	28,680	-----	1,320	2,092	405	2,745	18,369
Roofing and sheet-metal work.....	8	726,056	-----	172,850	363,637	19,923	81,350	-----	11,955	3,296	195	4,664	87,655
Roofing.....	3	232,556	-----	51,055	129,244	8,400	14,291	-----	3,225	493	-----	1,233	16,328
Roofing and sheet metal com- bined.....	5	493,500	-----	121,804	234,393	11,523	67,068	-----	8,730	2,803	195	3,431	41,327
Steel erection.....	3	1,275,062	45,000	326,889	603,295	-----	39,429	-----	10,402	2,500	253	22,384	161,112
Stonework and concreting.....	3	147,429	-----	20,160	58,252	12,000	13,016	-----	1,246	2,247	-----	650	14,369
Marble, tiling, and plastering.....	10	755,523	10,000	194,492	330,000	8,746	50,285	-----	6,449	5,928	200	1,848	74,912
Other classes ⁴	3	173,822	-----	49,521	64,849	-----	39,404	-----	1,865	1,455	90	2,007	17,809
NEW ORLEANS	85	20,466,030	4,570,000	3,990,390	6,800,600	66,236	1,046,399	25,178	83,339	77,331	148,933	150,625	1,596,881
General contractors.....	43	15,965,663	4,504,000	2,855,366	4,678,388	17,494	658,377	25,178	39,044	51,040	142,721	111,825	1,103,422
Building.....	20	10,702,013	4,088,000	1,780,103	2,886,483	17,494	424,033	11,029	28,786	28,954	104,585	69,813	285,379
Building not specialized.....	22	10,813,487	3,956,000	1,698,595	2,769,785	14,320	421,723	11,029	27,162	27,850	101,810	67,382	278,834
Residential building only.....	7	389,126	132,000	87,608	116,698	3,174	2,910	-----	1,624	1,098	2,775	2,431	6,545
Street paving.....	4	2,463,722	368,000	383,020	1,256,043	81,069	4,930	3,349	3,715	21,833	10,621	13,021	658,118
Levee.....	5	1,835,752	11,000	528,974	44,878	-----	111,893	2,628	7,159	8,883	10,160	26,231	733,369
Other classes ⁵	6	963,576	37,000	156,669	490,984	-----	40,182	5,091	350	10,004	6,143	5,160	31,600
Subcontractors.....	42	4,499,367	66,000	1,135,024	2,122,212	48,742	388,022	-----	53,695	25,085	6,212	38,800	433,459
Electrical.....	10	816,419	-----	212,741	336,192	3,149	112,010	-----	10,695	7,441	1,055	3,546	82,339
Heating and plumbing.....	10	867,688	-----	148,989	459,960	15,320	75,342	-----	15,898	5,642	4,014	4,156	78,985
Heating and piping.....	3	134,721	-----	18,731	74,300	12,200	1,404	-----	2,100	542	873	443	8,068
Plumbing.....	4	385,543	-----	87,000	105,079	3,120	50,588	-----	5,740	4,328	57	2,075	36,251
Plumbing and heating com- bined.....	3	337,424	-----	43,168	220,581	-----	23,350	-----	8,058	772	3,084	738	34,666
Painting, decorating, and glazing.....	5	290,820	11,000	129,619	83,924	-----	28,680	-----	1,320	2,092	405	2,745	18,369
Roofing and sheet-metal work.....	4	478,862	-----	116,027	244,547	14,073	56,260	-----	9,320	1,996	195	3,665	35,184
Steel erection.....	3	1,275,062	45,000	326,889	603,295	-----	39,429	-----	10,402	2,500	253	22,384	161,112
Marble, tiling, and plastering.....	6	541,134	10,000	152,085	241,122	4,200	32,381	-----	3,725	3,252	200	1,059	63,359
Other classes ⁶	4	239,382	-----	48,074	93,172	12,000	43,920	-----	2,275	2,702	90	1,245	24,178

¹ Includes operative builders.

² Includes bridge and culvert; sewer, gas, water, conduit; and central station, light and power plant.

³ Includes carpentering and wood flooring; foundation; and metal work, n. c. s.

⁴ Includes dredging, river, harbor, etc.

⁵ Includes highway; bridge and culvert; sewer, gas, water, conduit; and central station, light and power plant.

⁶ Includes carpentering and wood flooring; stonework; 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 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		
LOUISIANA					NEW ORLEANS						
All kinds of material.....	\$11,732,845		\$410.25	\$8,908,192	\$2,824,653	All kinds of material.....	\$8,425,402		\$412.83	\$6,152,445	\$2,272,957
Distribution not reported.....	3,101,808	26.4		2,380,968	720,840	Distribution not reported.....	2,177,345	25.8		1,692,335	585,010
Distributed by kind.....	8,631,037	100.0		6,527,224	2,103,813	Distributed by kind.....	6,248,057	100.0		4,560,110	1,687,947
Sand, gravel, stone, slag, cinders, etc.....	1,307,684	15.2	62.16	1,294,409	13,275	Sand, gravel, stone, slag, cinders, etc.....	573,070	9.2	37.86	567,836	5,234
Brick (face, common, fire, paving, etc.).....	322,175	3.7	15.31	322,175		Brick (face, common, fire, paving, etc.).....	204,733	3.3	13.53	204,733	
Tile (fireproofing).....	122,363	1.4	5.82	122,363		Tile (fireproofing).....	101,616	1.6	6.71	101,616	
Tile, facing, terra cotta, floor, and wall.....	176,542	2.0	8.39	49,110	127,426	Tile, facing, terra cotta, floor, and wall.....	95,416	1.5	6.30	42,008	53,408
Concrete and cinder block.....	3,249	(⁴)	.16	3,249		Concrete and cinder block.....	3,137	.1	.21	3,137	
Cut stone, granite and marble.....	574,143	6.7	27.29	507,288	66,855	Cut stone, granite and marble.....	524,275	8.4	34.64	467,420	56,855
Cement.....	912,390	10.6	43.37	899,198	13,192	Cement.....	550,658	8.8	36.38	543,717	6,941
Lime.....	31,155	.4	1.43	28,155	3,000	Lime.....	10,356	.3	1.28	16,356	3,000
Plaster, etc.....	87,668	1.0	4.17	80,418	7,250	Plaster, etc.....	40,440	.7	3.07	39,190	7,250
Structural steel.....	863,016	10.0	41.02	200,574	662,442	Structural steel.....	843,274	13.5	55.72	180,832	662,442
Reinforcing steel.....	427,977	5.0	20.34	424,276	3,701	Reinforcing steel.....	375,697	6.0	24.82	374,844	853
Cast iron, miscellaneous, excluding pipe.....	24,482	.3	1.17	24,482		Cast iron, miscellaneous, excluding pipe.....	23,160	.4	1.53	23,160	
Metal doors, windows, and trim.....	23,841	.3	1.13	23,841		Metal doors, windows, and trim.....	11,192	.2	.74	11,192	
Metal and wire lath and furring.....	24,897	.3	1.18	21,313	3,584	Metal and wire lath and furring.....	17,461	.3	1.16	14,401	3,060
Ornamental metal work.....	26,538	.3	1.26	26,538		Ornamental metal work.....	1,586	(⁴)	.10	1,586	
Lumber, rough and finished.....	783,470	9.1	37.24	783,170	300	Lumber, rough and finished.....	543,119	8.7	35.89	542,819	300
Lath, shingles, and shakes (wood).....	5,844	.1	.28	5,844		Lath, shingles, and shakes (wood).....	453	(⁴)	.03	453	
Millwork.....	351,169	4.1	16.69	351,169		Millwork.....	247,186	4.0	16.33	247,186	
Composition board.....	40,604	.5	1.93	24,106	16,498	Composition board.....	25,775	.4	1.70	9,302	16,383
Waterproofing materials.....	12,460	.1	.59	4,384	8,076	Waterproofing materials.....	9,101	.1	.60	1,025	8,076
Hardware, rough and finished.....	160,056	1.9	7.61	159,858	198	Hardware, rough and finished.....	127,342	2.0	8.41	127,342	
Paints, varnishes, glass.....	86,986	1.0	4.14	31,201	55,785	Paints, varnishes, glass.....	95,304	1.5	4.31	9,519	55,785
Roofing and sheet metal.....	266,819	3.1	12.68	10,550	266,269	Roofing and sheet metal.....	157,228	2.5	10.39	5,049	162,179
Finished flooring (other than cement, wood, or tile).....	12,741	.1	.61	6,438	6,303	Finished flooring (other than cement, wood, or tile).....	8,675	.1	.57	2,372	6,303
Screens, shades, awnings, etc.....	8,953	.1	.43	3,780	5,173	Screens, shades, awnings, etc.....	6,837	.1	.45	1,604	5,173
Heating and ventilating equipment.....	97,508	1.1	4.04	7,030	90,478	Heating and ventilating equipment.....	82,235	1.3	5.43	4,150	78,085
Plumbing and gas-fitting equipment.....	355,790	4.1	16.91	42,320	313,470	Plumbing and gas-fitting equipment.....	185,746	3.0	12.27	36,052	149,694
Electrical appliances and supplies.....	399,558	4.6	18.99	10,337	389,221	Electrical appliances and supplies.....	370,060	5.9	24.45	7,630	362,421
Elevators, dumb-waiters, and equipment.....	726	(⁴)	.03	726		Elevators, dumb-waiters, and equipment.....	326	(⁴)	.02	326	
Pipe: Drain tile, vitrified, concrete, segment tile, corrugated.....	64,206	.7	3.05	60,176	4,030	Pipe: Drain tile, vitrified, concrete, segment tile, corrugated.....	50,461	.8	3.34	48,848	1,613
Pipe: Cast-iron, sheet and tube steel, etc.....	25,860	.3	1.23	18,080	7,800	Pipe: Cast-iron, sheet and tube steel, etc.....	11,511	.2	.76	3,711	7,800
Wire cable, guards, and fencing.....	3,108	(⁴)	.15	3,108		Wire cable, guards, and fencing.....	1,780	(⁴)	.12	1,780	
Bituminous paving materials, tar, asphalt, and oil.....	72,537	.8	3.45	72,537		Bituminous paving materials, tar, asphalt, and oil.....	65,112	1.0	4.30	65,112	
Wood piling and timber.....	568,553	6.6	27.02	555,599	12,954	Wood piling and timber.....	552,552	8.8	30.51	539,598	12,954
Ready mixed concrete.....	68	(⁴)	(⁴)	68		Ready mixed concrete.....	68	(⁴)	(⁴)	68	
Machinery.....	312,804	3.6	14.87	312,804		Machinery.....	312,804	5.0	20.67	312,804	
Freight, hauling or trucking to job.....	6,375	.1	.30	2,920	3,455	Freight, hauling or trucking to job.....	3,455	.1	.23		3,455
Metal products, n. e. s. (including metal furniture).....	34,745	.4	1.65	8,200	26,539	Metal products, n. e. s. (including metal furniture).....	20,745	.3	1.37	8,200	12,530
Mineral products (nonmetallic) n. e. s.....	316	(⁴)	.02		316	Miscellaneous.....	9,102	.1	.60	2,898	6,204
Miscellaneous.....	31,661	.4	1.51	25,438	6,223						

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 high percentage of total cost shown for this item is due to the fact that establishments located within this area reported that a large part of their construction work (on which this material was used) was done on contracts outside this area.
⁴ Less than one-tenth of 1 per cent.
⁵ Less than 1 cent.

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

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

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹	
	Cost of all materials distributed by kind	Amount	Per cent of—					Cost of all materials distributed by kind	Amount	Per cent of—				
			Total cost	Cost of all distributed materials						Total cost	Cost of all distributed materials			
LOUISIANA						LOUISIANA—Continued								
Sand, gravel, stone, slag, cinders, etc.²						Cement—Continued.								
All classes.....	\$8,631,037	\$1,307,684	100.0	15.2	\$23,327,099	81.8	General contractors—Con.							
General contractors ³	\$6,527,224	1,294,400	99.0	10.8	\$18,943,300	78.3	Highway.....	\$520,067	\$205,548	29.1	51.1	\$1,242,168	92.6	
Building.....	3,636,603	313,388	24.0	8.6	12,018,337	68.0	Bridge and culvert.....	74,450	10,255	1.1	13.8	140,326	98.6	
Building not specialized ³	3,567,716	305,693	23.4	8.6	11,763,262	67.4	Street paving.....	947,053	153,973	16.9	16.3	2,085,864	89.4	
Commercial building only.....	18,813	4,780	.4	25.4	81,141	59.1	Sewer, gas, water, conduit.....	409,582	49,980	5.5	12.2	820,550	94.0	
Residential building only.....	50,074	3,016	.2	6.0	173,934	66.2	Dredging, river, harbor, etc.....	566,505	31,097	3.4	5.5	2,016,064	96.3	
Highway.....	520,067	200,109	16.0	40.2	1,242,168	92.6	Central station, light and power plant.....	363,195	5,643	.6	1.6	575,000	100.0	
Bridge and culvert.....	74,450	11,108	.8	14.0	140,326	98.6	Subcontractors.....	\$2,103,813	13,192	1.4	6.0	\$4,383,790	98.8	
Street paving.....	947,053	41,722	49.1	67.8	2,085,864	80.4	Concreting.....	15,731	3,608	(9)	22.9	28,630	100.0	
Sewer, gas, water, conduit.....	409,582	84,704	6.5	20.7	820,550	94.0	Heating and plumbing.....	4,405,244	155	(9)	(9)	\$800,801	99.5	
Dredging, river, harbor, etc.....	566,505	28,704	2.2	5.1	2,016,064	96.3	Plumbing.....	299,095	165	(9)	(9)	607,051	99.3	
Central station, light and power plant.....	363,195	5,614	.4	1.5	575,000	100.0	Plastering and lathing.....	25,000	1,500	.2	6.0	70,715	90.1	
Subcontractors.....	\$2,103,813	13,275	1.0	6.0	\$4,383,790	98.8	Stone work.....	30,050	2,000	.2	6.7	80,065	100.0	
Concreting.....	15,731	6,868	.5	43.6	28,630	100.0	Marble and tiling.....	190,000	5,929	.6	3.1	432,701	100.0	
Heating and plumbing.....	4,405,244	97	(9)	(9)	\$800,991	99.5	Structural steel²							
Plumbing.....	299,095	97	(9)	(9)	607,051	99.3	All classes.....	\$8,631,037	863,016	100.0	10.0	\$23,327,099	81.8	
Plastering and lathing.....	25,000	3,000	.2	12.0	70,715	90.1	General contractors.....	\$4,442,676	200,574	23.2	3.1	\$18,730,024	78.2	
Stone work.....	30,050	2,000	.2	6.7	80,065	100.0	Building.....	\$3,552,055	130,170	13.0	3.4	\$11,805,052	67.8	
Marble and tiling.....	190,000	1,320	.1	.7	432,701	100.0	Building not specialized.....	3,483,168	120,108	13.0	3.4	11,549,977	67.2	
Brick (face, common, fire, paving, etc.)						Reinforcing steel								
All classes.....	\$8,631,037	322,176	100.0	3.7	\$23,327,099	81.8	All classes.....	\$8,631,037	427,977	100.0	5.0	\$23,327,099	81.8	
General contractors ³	\$6,527,224	322,175	100.0	4.9	\$18,943,300	78.3	General contractors ³	\$6,527,224	424,276	99.1	6.5	\$18,943,300	78.3	
Building.....	3,636,603	297,875	92.5	8.2	12,018,337	68.0	Building.....	3,636,603	325,060	76.0	8.9	12,018,337	68.0	
Building not specialized ³	3,567,716	294,893	91.5	8.3	11,763,262	67.4	Building not specialized ³	3,567,716	324,683	75.9	9.1	11,763,262	67.4	
Commercial building only.....	18,813	1,060	.6	10.4	81,141	59.1	Commercial building only.....	18,813	236	1.1	1.3	81,141	59.4	
Residential building only.....	50,074	1,022	.3	2.0	173,934	66.2	Residential building only.....	50,074	161	(9)	.3	173,934	66.2	
Highway.....	520,067	814	.1	.1	1,242,168	92.6	Highway.....	520,067	11,369	2.7	2.2	1,242,168	92.6	
Street paving.....	947,053	127	(9)	(9)	2,085,864	89.4	Bridge and culvert.....	74,450	5,301	1.2	7.1	140,326	98.6	
Sewer, gas, water, conduit.....	409,582	14,439	4.5	3.5	820,550	94.0	Street paving.....	947,053	17,801	4.2	1.9	2,085,864	89.4	
Dredging, river, harbor, etc.....	566,505	9,420	2.9	1.7	2,016,064	96.3	Sewer, gas, water, conduit.....	409,582	41,111	9.6	10.0	820,550	94.0	
Tile (fireproofing)						Lumber, rough and finished								
All classes.....	\$8,631,037	122,363	100.0	1.4	\$23,327,099	81.8	All classes.....	\$8,631,037	783,470	100.0	9.1	\$23,327,099	81.8	
General contractors.....	\$6,442,676	122,363	100.0	1.9	\$18,730,024	78.2	General contractors ³	\$6,527,224	783,170	100.0	12.0	\$18,943,300	78.3	
Building.....	\$3,552,055	122,363	100.0	3.4	\$11,805,052	67.8	Building.....	\$3,636,603	520,770	67.2	14.6	\$12,018,337	68.0	
Building not specialized.....	3,483,168	122,315	100.0	3.5	11,549,977	67.2	Building not specialized ³	3,567,716	594,564	64.4	14.1	11,763,262	67.4	
Residential building only.....	50,074	48	(9)	.1	173,934	66.2	Commercial building only.....	18,813	160	.4	10.7	81,141	59.4	
Tile, facing, terra cotta, floor, and wall						Millwork								
All classes.....	\$8,631,037	176,542	100.0	2.0	\$23,327,099	81.8	All classes.....	\$8,631,037	351,169	100.0	4.1	\$23,327,099	81.8	
General contractors ³	\$6,527,224	49,110	27.8	8.8	\$18,943,300	78.3	General contractors ³	\$6,527,224	351,169	100.0	5.4	\$18,943,300	78.3	
Building.....	\$3,636,603	40,581	23.0	1.1	\$12,018,337	68.0	Building.....	\$3,636,603	343,099	97.7	9.4	\$12,018,337	68.0	
Building not specialized ³	3,567,716	40,170	22.8	1.1	11,763,262	67.4	Building not specialized ³	3,567,716	325,674	92.7	9.1	11,763,262	67.4	
Commercial building only.....	50,074	402	.2	.8	173,934	66.2	Residential building only.....	50,074	17,335	4.9	34.6	173,934	66.2	
Street paving.....	947,053	8,192	4.6	.9	2,085,864	89.4	Highway.....	520,067	17,051	2.2	3.3	1,242,168	92.6	
Sewer, gas, water, conduit.....	409,582	343	.2	1.1	820,550	94.0	Bridge and culvert.....	74,450	34,920	4.5	46.9	140,326	98.6	
Subcontractors.....	\$2,103,813	127,426	72.2	6.1	\$4,383,790	98.8	Street paving.....	947,053	7,449	1.0	.8	2,085,864	89.4	
Marble and tiling.....	190,000	127,426	72.2	67.1	432,701	100.0	Sewer, gas, water, conduit.....	409,582	92,179	11.8	22.5	820,550	94.0	
Cut stone, granite and marble						Levee								
All classes.....	\$8,631,037	574,143	100.0	6.7	\$23,327,099	81.8	Levee.....	9,799	1,001	.1	10.2	45,000	98.2	
General contractors.....	\$6,442,676	507,288	88.4	7.9	\$18,730,024	78.2	Central station, light and power plant.....	363,195	2,780	.4	.8	575,000	100.0	
Building.....	\$3,552,055	462,888	80.6	13.0	\$11,805,052	67.8	Subcontractors.....	\$2,103,813	300	(9)	(9)	\$4,383,790	98.8	
Building not specialized.....	3,483,168	462,888	80.6	13.3	11,549,977	67.2	Concreting.....	115,731	2,848	.7	18.1	28,630	100.0	
Street paving.....	947,053	44,223	7.7	4.7	2,085,864	89.4	Steel erection.....	663,295	853	.2	.1	1,093,812	96.5	
Sewer, gas, water, conduit.....	409,582	177	(9)	(9)	820,550	94.0	Lumber, rough and finished							
Subcontractors.....	\$2,103,813	66,855	11.6	3.2	\$4,383,790	98.8	All classes.....	\$8,631,037	783,470	100.0	9.1	\$23,327,099	81.8	
Stone work.....	30,050	26,050	4.5	86.7	80,065	100.0	General contractors ³	\$6,527,224	783,170	100.0	12.0	\$18,943,300	78.3	
Marble and tiling.....	190,000	40,805	7.1	21.5	432,701	100.0	Building.....	\$3,636,603	520,770	67.2	14.6	\$12,018,337	68.0	
Cement²						Millwork								
All classes.....	\$8,631,037	912,390	100.0	10.6	\$23,327,099	81.8	All classes.....	\$8,631,037	351,169	100.0	4.1	\$23,327,099	81.8	
General contractors ³	\$6,527,224	899,198	98.6	13.8	\$18,943,300	78.3	General contractors ³	\$6,527,224	351,169	100.0	5.4	\$18,943,300	78.3	
Building.....	3,636,603	382,702	41.9	10.5	12,018,337	68.0	Building.....	\$3,636,603	343,099	97.7	9.4	\$12,018,337	68.0	
Building not specialized ³	3,567,716	375,759	41.2	10.5	11,763,262	67.4	Building not specialized ³	3,567,716	325,674	92.7	9.1	11,763,262	67.4	
Commercial building only.....	18,813	4,656	.5	24.7	81,141	59.1	Residential building only.....	50,074	17,335	4.9	34.6	173,934	66.2	
Residential building only.....	50,074	2,287	.3	4.6	173,934	66.2	Highway.....	520,067	8,160	2.3	1.4	2,016,064	96.3	

See footnotes at end of table.

CONSTRUCTION—LOUISIANA

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]

Main data table with columns for 'KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS', 'COST OF DESIGNATED MATERIAL', 'Value of construction business', and 'Indicated per cent of all business done by own force'. It is divided into two main sections: LOUISIANA and NEW ORLEANS.

See footnotes at end of table.

CONSTRUCTION—LOUISIANA

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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
		Amount	Per cent of—						Amount	Per cent of—			
			Total cost	Cost of all distributed materials						Total cost	Cost of all distributed materials		
NEW ORLEANS—Continued						NEW ORLEANS—Continued							
Cement²						Hardware, rough and finished							
All classes.....	\$6,248,057	\$550,658	100.0	8.8	\$17,866,228	81.0	All classes.....	\$6,248,057	\$127,342	100.0	2.0	\$17,866,228	81.0
General contractors.....	4,560,110	543,717	98.7	11.9	14,373,183	76.8	General contractors.....	4,560,110	127,342	100.0	2.8	14,373,183	76.8
Building.....	2,720,148	307,129	55.8	11.3	9,688,539	65.6	Building.....	2,720,148	105,519	82.9	3.9	9,688,539	65.6
Building not specialized.....	2,067,964	302,842	55.0	11.4	9,482,080	65.6	Building not specialized.....	2,067,964	101,567	79.8	3.8	9,482,080	65.6
Commercial building only.....	11,110	2,000	.4	18.0	32,525	63.2	Commercial building only.....	11,110	1,500	1.2	13.5	32,525	63.2
Residential building only.....	50,074	2,287	.4	12.1	173,934	66.1	Residential building only.....	50,074	2,452	1.9	4.9	173,934	66.1
Highway.....	34,187	4,150	.8	4.0	48,000	100.0	Highway.....	34,187	3,122	2.5	9.1	155,479	82.6
Bridge and culvert.....	17,250	0,000	1.1	34.8	155,479	82.6	Sewer, gas, water, conduit.....	353,536	4,999	3.9	1.4	737,310	93.4
Street paving.....	525,436	146,473	26.6	27.9	737,310	93.4	Dredging, river, harbor, etc.....	527,589	13,702	10.8	2.6	1,874,705	96.0
Sewer, gas, water, conduit.....	353,536	45,694	8.3	12.9	1,874,705	96.0	Roofing and sheet metal						
Dredging, river, harbor, etc.....	527,589	28,758	5.2	5.6			All classes.....	6,248,057	157,228	100.0	2.5	17,866,228	81.0
Central station, light and power plant.....	363,195	5,643	1.0	1.6	575,000	100.0	General contractors.....	4,560,110	5,049	3.2	.1	14,373,183	76.8
Subcontractors.....	1,687,947	6,041	1.3	.4	3,493,045	98.6	Building.....	2,720,148	5,049	3.2	.2	9,688,539	65.6
Heating and plumbing.....	4,230,376	155	(*)	.1	262,700	100.0	Building not specialized.....	2,067,964	4,584	2.9	.2	9,482,080	65.6
Plumbing.....	121,137	163	(*)	.1	70,715	85.9	Residential building only.....	50,074	466	.3	.9	173,934	66.1
Plastering and lathing.....	25,000	1,500	.3	6.0	80,085	100.0	Subcontractors.....	1,687,947	152,179	96.8	9.0	3,493,045	98.6
Stone work.....	30,050	2,000	.4	6.7	48,000	100.0	Roofing and sheet-metal work.....	150,547	150,547	96.8	95.4	305,197	100.0
Marble and tiling.....	111,122	3,280	.6	3.0	248,733	100.0	Roofing.....	48,509	48,509	30.9	100.0	70,453	100.0
							Sheet-metal work.....	70,240	62,872	40.0	80.5	152,042	100.0
Structural Steel³							Roofing and sheet metal combined.....	40,798	40,798	25.0	100.0	82,702	100.0
All classes.....	6,248,057	843,274	100.0	13.5	17,866,228	81.0	Plumbing and gas-fitting equipment						
General contractors.....	4,560,110	180,832	21.4	4.0	14,373,183	76.8	All classes.....	6,248,057	185,746	100.0	3.0	17,866,228	81.0
Building.....	2,720,148	103,234	12.2	3.8	9,688,539	65.6	General contractors.....	4,560,110	36,052	19.4	.8	14,373,183	76.8
Building not specialized.....	2,067,964	103,160	12.2	3.9	9,482,080	65.6	Building.....	2,720,148	6,124	3.3	.2	9,688,539	65.6
Residential building only.....	50,074	85	(*)	.1	173,934	66.1	Building not specialized.....	2,067,964	5,980	3.2	.2	9,482,080	65.6
Street paving.....	525,436	0,964	.8	1.3	1,249,150	86.1	Residential building only.....	50,074	138	.1	.3	173,934	66.1
Sewer, gas, water, conduit.....	353,536	0,946	.8	2.0	737,310	93.4	Central station, light and power plant.....	363,195				575,000	100.0
Dredging, river, harbor, etc.....	527,589	63,888	7.0	12.1	1,874,705	96.0	Subcontractors.....	1,687,947	149,694	80.6	8.9	3,493,045	98.6
Subcontractors.....	1,687,947	662,442	78.6	39.2	3,493,045	98.6	Heating and plumbing.....	230,376	149,694	80.6	65.0	450,040	100.0
Steel erection.....	663,295	662,442	78.6	99.9	1,093,812	96.5	Heating and piping.....	36,825	7,427	4.0	20.2	77,115	100.0
							Plumbing.....	121,137	104,061	56.0	85.9	262,700	100.0
Reinforcing steel							Plumbing and heating combined.....	72,414	38,200	20.6	52.8	116,225	100.0
All classes.....	6,248,057	375,697	100.0	6.0	17,866,228	81.0	Electrical appliances and supplies						
General contractors.....	4,560,110	374,844	99.8	8.2	14,373,183	76.8	All classes.....	6,248,057	370,000	100.0	5.9	17,866,228	81.0
Building.....	2,720,148	290,134	78.8	10.9	9,688,539	65.6	General contractors.....	4,560,110	7,639	2.1	.2	14,373,183	76.8
Building not specialized.....	2,067,964	295,973	78.8	11.1	9,482,080	65.6	Building.....	2,720,148	3,750	1.0	.1	9,688,539	65.6
Residential building only.....	50,074	101	(*)	.3	173,934	66.1	Building not specialized.....	2,067,964	3,700	1.0	.1	9,482,080	65.6
Highway.....	34,187	1,060	.3	2.9	155,479	82.6	Residential building only.....	50,074	50	(*)	.1	173,934	66.1
Bridge and culvert.....	17,250	2,000	.5	11.6	48,000	100.0	Highway.....	34,187	2,516	.7	7.4	155,479	82.6
Street paving.....	525,436	16,861	4.5	3.2	1,249,150	86.1	Sewer, gas, water, conduit.....	353,536	373	.1	.1	737,310	93.4
Sewer, gas, water, conduit.....	353,536	37,769	10.1	10.7	737,310	93.4	Central station, light and power plant.....	363,195	1,000	.3	.3	575,000	100.0
Dredging, river, harbor, etc.....	527,589	19,197	5.1	3.6	1,874,705	96.0	Subcontractors.....	1,687,947	302,421	97.9	21.5	3,493,045	98.6
Central station, light and power plant.....	363,195	1,943	.5	.5	575,000	100.0	Electrical.....	362,421	362,421	97.9	100.0	893,278	100.0
Subcontractors.....	1,687,947	853	.2	.1	3,493,045	98.6	Wood piling and timber⁴						
Steel erection.....	663,295	853	.2	.1	1,093,812	96.5	All classes.....	6,248,057	552,552	100.0	8.8	17,866,228	81.0
							General contractors.....	4,560,110	630,698	97.7	11.8	14,373,183	76.8
Lumber, rough and finished							Building.....	2,720,148	250,148	45.3	9.2	9,688,539	65.6
All classes.....	6,248,057	543,119	100.0	8.7	17,866,228	81.0	Building not specialized.....	2,067,964	250,148	45.3	9.4	9,482,080	65.6
General contractors.....	4,560,110	542,819	99.9	11.9	14,373,183	76.8	Sewer, gas, water, conduit.....	353,536	21,012	3.8	5.9	737,310	93.4
Building.....	2,720,148	339,010	62.5	12.4	9,688,539	65.6	Dredging, river, harbor, etc.....	527,589	259,670	47.0	49.2	1,874,705	96.0
Building not specialized.....	2,067,964	317,564	58.5	11.9	9,482,080	65.6	Levee.....	9,769	8,768	1.6	89.8	45,000	99.0
Commercial building only.....	11,110	3,000	.6	27.0	32,525	63.2	Subcontractors.....	1,687,947	12,954	2.3	.8	3,493,045	98.6
Residential building only.....	50,074	19,056	3.5	38.1	173,934	66.1	Foundation.....	12,954	12,954	2.3	100.0	25,209	100.0
Highway.....	34,187	8,914	1.6	26.1	155,479	82.6	Machinery						
Bridge and culvert.....	17,250	1,250	.2	7.2	48,000	100.0	All classes.....	6,248,057	312,804	100.0	5.0	17,866,228	81.0
Street paving.....	525,436	7,449	1.4	1.4	1,249,150	86.1	General contractors.....	4,560,110	312,804	100.0	6.9	14,373,183	76.8
Sewer, gas, water, conduit.....	353,536	90,003	16.6	25.5	737,310	93.4	Building.....	2,720,148	312,804	100.0	6.9	9,688,539	65.6
Dredging, river, harbor, etc.....	527,589	91,812	16.9	17.4	1,874,705	96.0	Building not specialized.....	2,067,964	250,148	45.3	9.4	9,482,080	65.6
Levee.....	9,769	1,001	.2	10.2	45,000	99.0	Sewer, gas, water, conduit.....	353,536	21,012	3.8	5.9	737,310	93.4
Central station, light and power plant.....	363,195	2,780	.5	.8	575,000	100.0	Dredging, river, harbor, etc.....	527,589	259,670	47.0	49.2	1,874,705	96.0
Subcontractors.....	1,687,947	300	.1	(*)	3,493,045	98.6	Levee.....	9,769	8,768	1.6	89.8	45,000	99.0
Plastering and lathing.....	25,000	300	.1	1.2	70,715	85.9							
							Machinery						
Millwork							All classes.....	6,248,057	312,804	100.0	5.0	17,866,228	81.0
All classes.....	6,248,057	247,186	100.0	4.0	17,866,228	81.0	General contractors.....	4,560,110	312,804	100.0	6.9	14,373,183	76.8
General contractors.....	4,560,110	247,186	100.0	5.4	14,373,183	76.8	Building.....	2,720,148	239,026	96.7	8.8	9,688,539	65.6
Building.....	2,720,148	239,026	96.7	8.8	9,688,539	65.6	Building not specialized.....	2,067,964	221,691	89.7	8.3	9,482,080	65.6
Building not specialized.....	2,067,964	221,691	89.7	8.3	9,482,080	65.6	Residential building only.....	50,074	17,335	7.9	34.6	173,934	66.1
Residential building only.....	50,074	17,335	7.9	34.6	173,934	66.1	Highway.....	34,187	8,160	3.3	1.5	1,874,705	96.0
Highway.....	34,187	8,160	3.3	1.5	1,874,705	96.0							

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. 512.

³ Includes operative builders.

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

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

⁶ Less than one-tenth of 1 per cent.

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

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

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

¹⁰ Includes construction work reported by operative builders who did not include the designated materials 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. 517, the third section on p. 518]

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	Cement	Lime	Plaster, etc.	Structural steel
		Amount	Per cent of total										
LOUISIANA	11,732,845	\$5,631,037	73.6	\$1,307,684	\$322,175	\$122,363	\$176,542	\$3,249	\$574,143	\$102,390	\$31,155	\$37,668	\$863,016
Operative builders.....	84,548	84,548	100.0	16,393	2,951	.....	2,500	112	.....	360	.....	.....	.....
General contractors.....	8,823,644	6,442,676	73.0	1,278,016	319,224	122,363	46,616	3,137	507,288	898,838	28,155	80,418	200,574
Building.....	5,109,900	3,552,055	69.5	296,995	294,024	122,363	38,081	2,600	462,888	382,842	27,762	80,418	120,170
Building not specialized.....	4,903,336	3,483,108	71.0	289,200	201,942	122,315	37,679	2,500	462,888	375,399	27,246	78,881	120,105
Commercial building only.....	54,016	18,813	34.8	4,780	1,960	.....	.....	.....	.....	4,050	300	1,000	.....
Residential building only.....	162,560	50,074	32.8	3,015	1,022	48	402	.....	.....	2,287	120	537	65
Highway.....	520,067	520,067	100.0	209,109	314	.....	.....	.....	.....	205,648	.....	.....	.....
Bridge and culvert.....	74,450	74,450	100.0	11,108	.....	.....	.....	.....	.....	10,255	.....	.....	.....
Street paving.....	1,762,176	947,053	53.7	641,722	127	.....	8,192	637	44,223	153,973	.....	.....	6,964
Sewer, gas, water, conduit.....	409,582	409,582	100.0	84,704	14,439	.....	343	.....	177	49,980	393	.....	6,946
Dredging, river, harbor, etc.....	566,505	566,505	100.0	28,764	9,420	.....	.....	.....	.....	31,097	.....	.....	66,494
Levee.....	17,769	9,769	55.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Central station, light and power plant.....	363,195	363,195	100.0	5,614	.....	.....	.....	.....	.....	5,643	.....	.....	.....
Subcontractors.....	2,824,653	2,103,813	74.5	13,275	.....	.....	127,426	.....	60,855	13,192	3,000	7,250	602,442
Carpentering and wood flooring.....	37,697	37,697	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Concreting.....	15,731	15,731	100.0	6,853	.....	.....	.....	.....	.....	3,608	.....	.....	.....
Electrical.....	440,505	390,522	88.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Heating and plumbing.....	794,101	405,244	51.0	97	.....	.....	.....	.....	.....	155	.....	.....	.....
Heating and piping.....	91,825	36,825	40.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Plumbing.....	436,435	296,005	67.8	97	.....	.....	.....	.....	.....	155	.....	.....	.....
Plumbing and heating combined.....	265,931	72,414	27.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Painting and decorating.....	55,485	55,485	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Plastering and lathing.....	35,000	25,000	71.4	3,000	.....	.....	.....	.....	.....	1,500	3,000	7,250	.....
Roofing and sheet-metal work.....	380,637	263,637	69.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Roofing.....	129,244	129,244	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sheet-metal work.....	172,240	70,240	40.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Roofing and sheet metal combined.....	79,153	64,153	81.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Steel erection.....	663,295	663,295	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	662,442
Stonework.....	42,521	30,050	70.7	2,000	.....	.....	.....	.....	26,050	2,000	.....	.....	.....
Marble and tiling.....	295,000	190,000	64.4	1,320	.....	.....	127,426	.....	40,805	5,929	.....	.....	.....
Foundation.....	12,954	12,954	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Metal work, n. e. s.....	14,198	14,198	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
NEW ORLEANS	8,425,402	6,249,057	74.2	\$573,070	204,733	101,616	95,418	\$3,137	\$524,275	\$550,658	19,856	46,440	\$843,274
General contractors.....	6,152,445	4,560,110	74.1	567,836	204,733	101,616	42,008	3,137	457,420	543,717	16,356	39,190	180,832
Building.....	3,498,300	2,729,148	78.0	230,304	180,712	101,616	33,473	2,600	413,020	307,129	10,203	39,190	103,284
Building not specialized.....	3,335,360	2,667,904	80.0	225,289	173,680	101,568	33,071	2,500	413,020	302,842	10,077	37,683	103,169
Commercial building only.....	40,312	11,110	24.0	2,000	1,000	.....	.....	.....	.....	2,000	.....	1,000	.....
Residential building only.....	116,698	50,074	42.9	3,015	1,022	48	402	.....	.....	2,287	120	537	65
Highway.....	34,187	34,187	100.0	10,150	314	.....	.....	.....	.....	4,150	.....	.....	.....
Bridge and culvert.....	17,250	17,250	100.0	8,000	.....	.....	.....	.....	.....	6,000	.....	.....	.....
Street paving.....	1,340,559	528,436	39.2	237,105	127	.....	8,192	637	44,223	140,473	.....	.....	6,964
Sewer, gas, water, conduit.....	353,536	353,536	100.0	52,703	14,180	.....	343	.....	177	45,504	153	.....	6,946
Dredging, river, harbor, etc.....	527,589	527,589	100.0	23,900	9,420	.....	.....	.....	.....	23,758	.....	.....	63,688
Levee.....	17,769	9,769	55.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Central station, light and power plant.....	363,195	363,195	100.0	5,614	.....	.....	.....	.....	.....	5,643	.....	.....	.....
Subcontractors.....	2,272,957	1,687,947	74.3	5,234	.....	.....	53,408	.....	60,855	6,941	3,000	7,250	662,442
Carpentering and wood flooring.....	37,697	37,697	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Electrical.....	412,404	302,421	73.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Heating and plumbing.....	508,493	230,376	45.3	97	.....	.....	.....	.....	.....	155	.....	.....	.....
Heating and piping.....	91,825	36,825	40.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Plumbing.....	196,087	121,137	61.8	97	.....	.....	.....	.....	.....	155	.....	.....	.....
Plumbing and heating combined.....	220,581	72,414	32.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Painting and decorating.....	55,485	55,485	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Plastering and lathing.....	35,000	25,000	100.0	3,000	.....	.....	.....	.....	.....	1,500	3,000	7,250	.....
Roofing and sheet-metal work.....	261,547	159,547	61.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Roofing.....	48,509	48,509	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sheet-metal work.....	172,240	70,240	40.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Roofing and sheet metal combined.....	40,798	40,798	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Steel erection.....	663,295	663,295	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	662,442
Stonework.....	42,521	30,050	70.7	2,000	.....	.....	.....	.....	26,050	2,000	.....	.....	.....
Marble and tiling.....	216,122	111,122	51.4	137	.....	.....	53,408	.....	40,805	3,286	.....	.....	.....
Foundation.....	12,954	12,954	100.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

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. 512.

³ Includes the reported cost of glass and glazing, \$37,430.

CONSTRUCTION—LOUISIANA

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

CLASSIFICATION OF ESTABLISHMENTS	Screens, shades, awnings, etc.	Heating and ventilating equipment	Plumbing and gas fitting equipment	Electrical appliances and supplies	Pipe: Drain tile, vitrified, concrete, etc.	Pipe: Cast iron, sheet and tube steel, etc.	Wire cable, guards, and fencing	Bituminous paving materials	Wood piling and timber	Machinery	Freight, hauling, or trucking to job	Metal products, n. e. s.	Miscellaneous ¹
LOUISIANA	\$8,953	\$97,508	\$355,790	\$399,558	\$84,208	\$25,880	\$3,108	\$72,587	\$668,553	\$312,804	\$6,375	\$34,745	\$32,771
Operative builders			5,000										
General contractors	3,780	7,030	37,320	10,337	60,176	18,000	3,108	72,537	555,599	312,804	2,920	8,200	26,232
Building	3,780	7,030	7,392	6,448	3,664	289	1,319	125	250,148				23,944
Building not specialized	2,771	7,030	7,254	6,398	3,664	289	1,319	125	250,148				23,266
Commercial building only													610
Residential building only	1,009		138	50									68
Highway				2,516	2,781	2,146	1,680						
Bridge and culvert					1,176				9,501				
Street paving					1,500			58,813					152
Sewer, gas, water, conduit				373	51,055	10,125		13,299	21,012			8,200	2,136
Dredging, river, harbor, etc.						5,500	109	300	269,170		2,920		
Levee									8,768				
Central station, light and power plant			29,928	1,000						312,804			
Subcontractors	5,173	90,478	313,470	389,221	4,030	7,800			12,954		3,455	26,539	6,539
Carpentering and wood flooring	5,173				2,417							5,952	2,700
Concreting													
Electrical			3,000	887,522									
Heating and plumbing		83,110	310,470	1,699	1,613	7,800							
Heating and piping		28,298	7,427			800							
Plumbing		20,004	204,837	1,699	1,613	7,000							
Plumbing and heating combined		34,208	38,206										
Roofing and sheet-metal work		7,368											
Sheet-metal work		7,368											
Marble and tiling										3,455		6,587	3,779
Foundation								12,954				14,000	
Metal work, n. e. s.													
NEW ORLEANS	6,837	82,235	185,748	370,060	60,461	11,511	1,789	65,112	2 552,552	312,804	3,455	20,745	9,486
General contractors	1,664	4,150	36,052	7,639	48,848	3,711	1,789	65,112	539,598	312,804		8,200	3,292
Building	1,664	4,150	6,124	3,750	1,110	63			250,148				1,004
Building not specialized	655	4,150	5,986	3,700	1,110	63			250,148				826
Commercial building only													610
Residential building only	1,009		138	50									68
Highway				2,516		2,146	1,680						
Street paving								51,813					152
Sewer, gas, water, conduit				373	47,738	1,502		13,299	21,012			8,200	2,136
Dredging, river, harbor, etc.							109		259,670				
Levee									8,768				
Central station, light and power plant			29,928	1,000						312,804			
Subcontractors	5,173	78,085	149,694	362,421	1,613	7,800			12,954		3,455	12,539	6,204
Carpentering and wood flooring	5,173											5,952	2,700
Electrical				862,421									
Heating and plumbing		70,717	149,694		1,613	7,800							
Heating and piping		28,298	7,427			800							
Plumbing		8,211	104,051		1,613	7,000							
Plumbing and heating combined		34,208	38,206										
Roofing and sheet-metal work		7,368											
Sheet-metal work		7,368											
Marble and tiling										3,455		6,587	3,444
Foundation								12,954					

¹ See footnote 3 of Table 9 on p. 512.² Includes the reported cost of elevators, dumb-waiters, etc.; ready-mixed concrete; mineral products (nonmetallic) n. e. s.; and miscellaneous, n. e. s. For total cost of these items, see Table 9.

CONSTRUCTION—LOUISIANA

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	LOUISIANA 1930 population, 2,101,593								NEW ORLEANS 1930 population, 458,762			REMAINDER OF STATE 1930 population, 1,042,831		
	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					Number			Amount		
Total establishments canvassed (less than \$25,000)	598	9	589					240			349			
Total establishments, type of work unknown														
Total general and subcontractors classified	598	9	589	100.0				240			349			
Total general contractors classified	193	8	185	31.4	29	15.7	\$112,757	\$14,233	38	1	\$24,223	147	28	\$388,534
Building	150	4	146	24.8	23	15.8	320,349	13,928	30	1	24,223	116	22	296,126
Highway	36	3	33	5.0	3	9.1	62,069	20,690	7			26	3	62,069
Bridge and culvert	1		1	.2	1	100.0	7,839	7,839				1	1	7,839
Sewer, gas, water	3	1	2	.3	1	50.0	18,000	18,000				2	1	18,000
Dredging, river and harbor	1		1	.2					1					
Paving	1		1	.2	1	100.0	4,500	4,500				1	1	4,500
Railroad	1		1	.2								1		
Total subcontractors classified	405	1	404	68.6	91	22.5	718,039	7,891	202	20	236,612	202	65	481,427
Carpentering	30		30	5.1	9	30.0	65,440	7,272	3	1	10,740	27	8	64,700
Concreting	8		8	1.4								8		
Electrical	60		60	10.2	14	23.3	157,198	11,228	31	2	20,092	29	12	137,106
Elevator	5		5	.8	1	20.0	10,447	10,447	2	1	10,447			
Heating and ventilating	7		7	1.2	2	28.6	8,000	4,000	1			3		
Masonry	52		52	8.8	10	19.2	33,035	3,804	25	2	14,010	27	8	24,025
Painting and decorating	1		1	.2					1			1		
Glass and glazing	1		1	.2								1		
Pipe covering	1		1	.2								1		
Plastering	3		3	.5	2	66.7	12,000	6,000	1	1	2,000	2	1	10,000
Plumbing and heating	150	1	149	25.3	36	24.2	294,907	8,192	77	13	117,808	72	23	177,099
Sheet metal and roofing	54		54	9.2	17	31.5	126,003	7,412	40	6	55,506	14	11	70,497
Steel erection	2		2	.3								2		
Stone	1		1	.2								1		
Marble and tiling	13		13	2.2					9			4		
Wrecking	1		1	.2					1			1		
Excavating and grading	1		1	.2								1		
Ornamental iron	5		5	.8					4			1		
Miscellaneous subcontractors	6		6	1.0					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

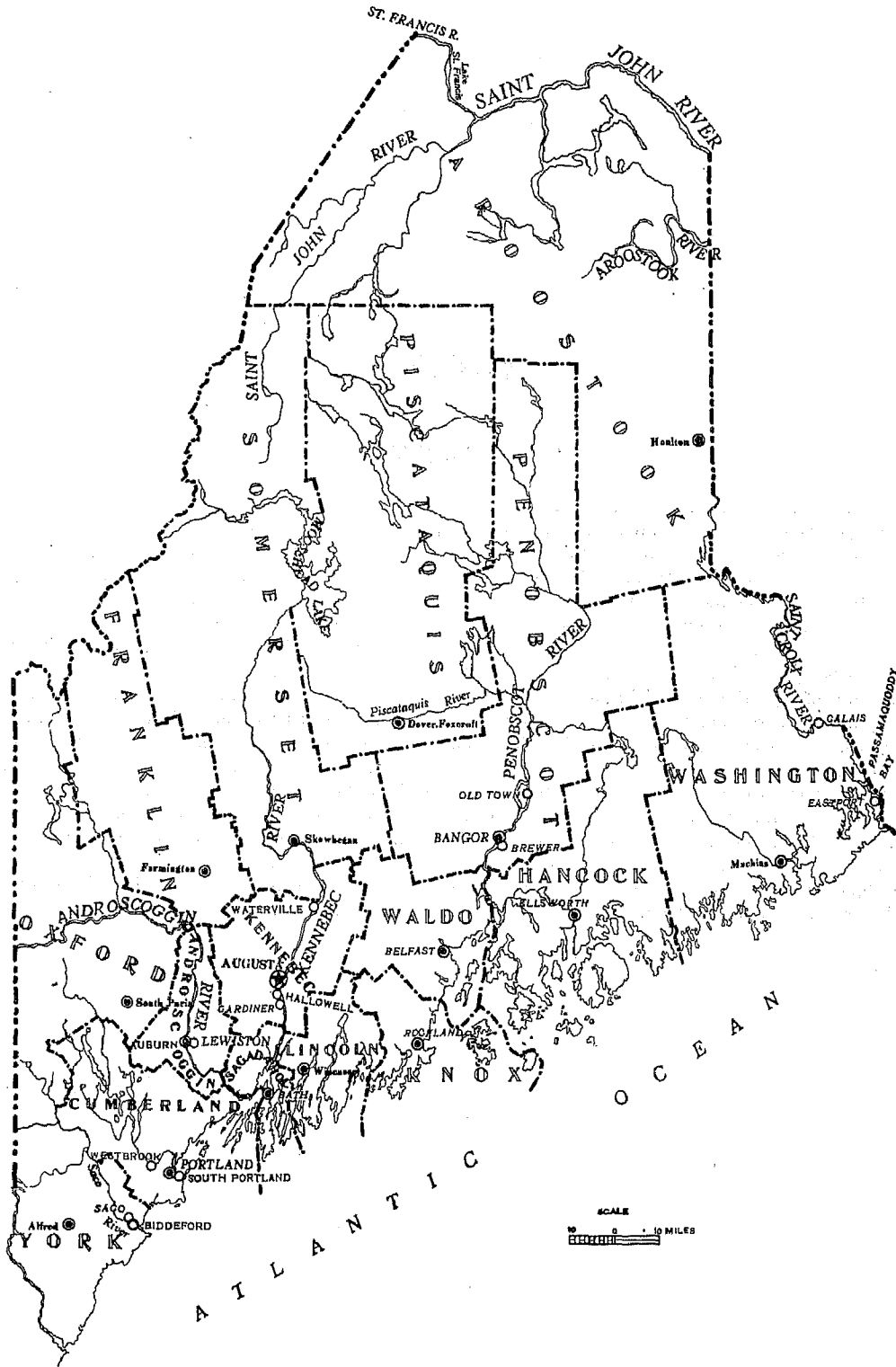
CLASSIFICATION	Total	Less than \$2,500	\$2,500 to \$4,000	\$5,000 to \$7,499	\$7,500 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$17,499	\$17,500 to \$19,999	\$20,000 to \$22,499	\$22,500 to \$24,999
LOUISIANA											
Total general and subcontractors	120	10	22	15	16	9	8	14	4	6	7
General contractors	29	1	3	2	3	2	3	5	1	4	5
Subcontractors	91	18	19	13	13	7	5	9	3	2	2

MAINE

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MAINE



CONSTRUCTION—MAINE

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

[Values expressed in thousands of dollars]

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
MAINE	142	\$13,100	\$11,408	\$1,692	\$1,507	\$4,513	\$4,185	MAINE—Continued							
Counties:								Classifications of establishments—Continued							
Androscoggin.....	10	1,021	742	279	46	261	508	Subcontractors—Continued.							
Aroostook.....	6	548	546	2	30	196	177	Painting and decorating.....	10	\$434	\$220	\$208	\$2	\$251	\$83
Cumberland.....	54	6,414	5,561	853	1,220	2,115	1,761	Roofing and sheet-metal work.....	7	336	148	188	16	84	132
Hancock.....	10	1,101	906	195	22	430	390	Other classes ¹	7	337	59	278	2	123	110
Kennebec.....	15	1,287	1,173	84	57	446	403	Size of business groups							
Knox.....	4	330	302	28	30	97	121	General contractors ²	84	10,069	9,785	284	1,482	3,613	2,824
Oxford.....	3	712	712	---	27	402	181	\$25,000 to \$49,999.....	20	1,086	1,084	2	96	379	353
Penobscot.....	16	1,051	890	161	14	359	373	\$50,000 to \$99,999.....	31	2,299	2,256	43	163	896	751
York.....	11	523	431	92	32	167	232	\$100,000 to \$199,999.....	10	2,335	2,311	24	335	725	681
Other counties.....	4	142	142	---	14	40	40	\$200,000 to \$499,999.....	4	1,367	1,348	9	276	404	391
Classification of establishments								\$500,000 to \$999,999.....	4	2,991	2,786	205	612	1,209	649
General contractors ²	84	10,069	9,785	284	1,482	3,613	2,824	\$1,000,000 and over.....	---	---	---	---	---	---	---
Building.....	62	7,677	7,636	41	1,430	2,617	2,383	Building contractors ²	62	7,677	7,636	41	1,430	2,617	2,383
Building not specialized ³	53	6,980	6,939	41	1,320	2,360	2,169	\$25,000 to \$49,999.....	20	719	718	1	82	246	270
Residential building only.....	0	697	697	---	104	252	215	\$50,000 to \$99,999.....	23	1,739	1,732	7	157	679	611
Highway.....	6	448	448	---	12	192	55	\$100,000 to \$199,999.....	12	1,657	1,633	24	303	515	506
Bridges and culverts.....	0	546	523	23	---	196	184	\$200,000 to \$499,999.....	4	1,367	1,348	9	276	404	391
Grading.....	3	253	252	1	35	64	51	\$500,000 to \$999,999.....	3	2,205	2,205	---	612	774	607
Waterworks, dam, and reservoir.....	3	929	724	205	5	466	63	\$1,000,000 and over.....	---	---	---	---	---	---	---
Other classes ⁴	4	215	202	13	---	78	88	Subcontractors.....	58	3,031	1,623	1,408	25	901	1,361
Subcontractors.....	58	3,031	1,623	1,408	25	901	1,361	\$25,000 to \$49,999.....	39	1,415	752	663	20	420	570
Electrical.....	6	300	208	92	---	93	128	\$50,000 to \$99,999.....	15	1,008	593	505	5	344	425
Heating and plumbing.....	28	1,624	970	645	5	350	908	\$100,000 to \$199,999.....	3	371	140	231	---	83	198
Heating and piping.....	6	470	388	88	---	94	315	\$200,000 to \$499,999.....	1	287	225	12	---	53	108
Plumbing.....	10	558	295	263	5	104	306	\$500,000 to \$999,999.....	---	---	---	---	---	---	---
Plumbing and heating combined.....	12	500	296	294	---	151	287	\$1,000,000 and over.....	---	---	---	---	---	---	---

¹ Includes Lincoln, Sagadahoc, Somerset, Waldo, 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 sewer, gas, water, conduit, and dredging, river, harbor, etc.

⁴ Includes carpentering and wood flooring; masonry; plastering and lathing; excavating; and flooring, n. e. s.

⁵ Wages paid is high in proportion to other items for this class because business reported consisted principally of work done by labor and equipment with comparatively little material.

CONSTRUCTION—MAINE

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
MAINE							MAINE—Continued						
All construction business.....	142	\$13,100,323	84	\$10,068,044	58	\$3,031,379	All business under general contract or directly for owners—Contd.						
Distribution not reported.....	19	1,218,773	5	497,717	14	721,056	Highway and street.....	12	\$785,663	12	\$785,663		
Distributed by class of ownership.....	123	11,881,550	70	9,571,227	44	2,310,323	Public works and utilities.....	25	1,169,087	24	(?)	1	(?)
Private.....	111	8,634,433	68	6,727,158	43	1,907,275	Bridge, tunnel, etc.....	17		16	(?)	1	(?)
Quasi public or community.....	36	926,701	22	734,065	14	192,126	Central station, light and power plant.....	2	737,234	2	(?)		
Public.....	55	2,320,326	36	2,109,404	19	210,922	Dock, pier, retaining wall, etc.....	3	57,601	3	57,601		
Distribution not reported.....	8	259,537	4	124,060	4	135,471	Park, grounds, etc.....	3	128,223	3	128,223		
Distributed by class of public ownership.....	47	2,060,789	32	1,985,338	15	75,451	Sewage disposal and drainage.....	5	74,927	4	(?)	1	(?)
Federal.....	10	77,171	6	74,532	4	2,639	Water supply.....	5	166,201	5	166,201		
State.....	18	1,811,640	10	1,453,605	2	2,943	River and harbor improvement.....	1		1	(?)	1	(?)
County or township.....	6	144,908	4	457,201	13	99,860	Miscellaneous.....	2	5,441	1	(?)	1	(?)
Municipal.....	29	527,070	16	457,201	13	99,860	Water power development.....	1		1	(?)		
All business under general contract or directly for owners.....	123	11,407,065	84	9,784,943	39	1,623,022	Air transport work.....	1	397,391	1	(?)	1	(?)
Distribution not reported.....	1	42,100	1	42,109			Miscellaneous, n. e. s.....	13		12		1	(?)
Distributed by class.....	122	11,365,850	83	9,742,834	39	1,623,022	All business under subcontract.....	53	1,692,358	11	284,001	42	\$1,408,357
Building.....	105	9,013,115	67	7,397,888	38	1,615,227	Distribution not reported.....	3	120,710	3		3	120,710
Distribution not reported.....	21	1,544,000	10	1,105,009	11	439,000	Distributed by class.....	50	1,571,048	11	284,001	39	1,287,647
Distributed by class.....	84	7,460,100	57	6,292,879	27	1,176,227	Carpentering and wood flooring.....	4	12,423	4	12,423		
Commercial.....	43	2,610,349	28	2,327,190	15	183,159	Concrete.....	5	31,404	2	(?)	3	(?)
Educational.....	23	602,986	11	518,282	12	84,704	Electrical.....	4	92,600	2	(?)	4	92,500
Hotel.....	20	223,133	8	179,265	12	43,878	Heating and plumbing.....	4	532,582	2		532,582	
Hospital and institutional.....	21	220,748	10	187,066	11	33,682	Heating and piping.....	8	144,592	8	144,592		
Manufacturing.....	14	285,147	6	242,231	8	42,916	Plumbing.....	7	185,892	7	185,892		
Military and naval.....	8	33,772	3	26,768	5	6,974	Plumbing and heating combined.....	8	202,098	8	202,098		
Public: Courts, jails, etc.....	16	131,902	8	73,904	8	57,998	Masonry.....	5	54,618	2	(?)	3	(?)
Religious and memorial.....	19	284,031	9	259,061	10	25,870	Painting and decorating.....	7	178,084	7	178,084		
Residential.....	73	2,603,694	46	1,945,762	27	657,832	Plastering and lathing.....	3	124,548	3	124,548		
Social and recreational.....	11	228,174	5	210,780	6	17,444	Roofing and sheet-metal work.....	1	190,565			190,565	
Air transport.....	2		1	(?)	1		Roofing.....	4	53,177	4	53,177		
Rail and water transportation.....	1	5,296					Sheet-metal work.....	7	137,388	7	137,388		
Miscellaneous.....	10	339,074	13	321,329	3	17,745	Wrecking.....	1	54,800	1	(?)	2	(?)
						Excavating.....	4		4		4		
						Other classes ²	7	300,124	3	221,756	4	78,368	

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—bridge and culvert, 1; grading, 1; rental of equipment, 1. Subcontractors—glass and glazing, 1; steel erection, 1; stonework, 1; and flooring, n. e. s., 1.

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	83	9,746,044	5,402,478	8,065,268	781,676	Subcontractors.....	58	\$3,031,379	\$2,411,437	\$2,968,277	\$63,102
Building.....	61	7,356,360	4,882,269	7,174,751	180,615	Electrical.....	6	300,494	208,200	299,694	800
Building not specialized.....	52	6,658,484	4,208,196	6,477,869	180,615	Heating and plumbing.....	23	1,624,435	1,395,029	1,692,231	32,204
Residential building only.....	9	696,882	614,073	696,882		Heating and piping.....	6	475,908	410,963	475,908	
Highway.....	6	448,172	69,250	437,172	11,000	Plumbing.....	10	558,077	435,655	525,873	32,204
Bridge and culvert.....	6	546,338	30,681	465,434	30,904	Plumbing and heating combined.....	12	590,450	548,411	590,450	
Grading.....	3	252,690	151,870	252,690		Painting and decorating.....	10	434,375	413,375	433,375	1,000
Waterworks, dam, and reservoir.....	3	929,269	112,209	420,112	509,157	Roofing and sheet-metal work.....	7	335,684	141,696	313,874	21,810
Other classes ²	4	215,109	147,109	215,109		Other classes ³	7	336,391	253,137	329,103	7,288

¹ Includes operative builders.

² Includes sewer, gas, water, conduit; and dredging, river, harbor, etc.

³ Includes carpentering and wood flooring; masonry; plastering and lathing; excavating; and flooring n. e. s.

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

STATE	LOCATION REPORTED BY—		
	All classes of establishments	General contractors	Subcontractors
MAINE			
Total distributed by State ¹	\$844,778	\$781,676	\$63,102
Massachusetts.....	1,000		1,000
New Hampshire.....	697,550	640,508	57,042
Vermont.....	146,228	141,168	5,060

¹ Number of establishments reporting: All classes, 13; general contractors, 7; subcontractors, 6.

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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		
MAINE	138	82	45	\$113,282	292	\$661,781	184	\$412,045	108	\$249,736	206	202	64	26	
General contractors ¹	82	47	26	70,628	193	501,109	106	293,892	87	207,217	184	155	29	9	
Building.....	61	36	22	62,406	140	360,133	83	214,332	57	145,801	131	107	24	0	
Building not specialized ¹	52	32	16	43,239	127	330,766	72	190,455	56	140,311	118	97	21	9	
Residential building only.....	9	4	6	19,170	13	29,367	11	23,377	2	5,490	13	10	3	0	
Highway.....	6	1	2	4,240	28	53,397	12	21,000	16	32,397	28	26	2	0	
Bridges and culvert.....	5	4	2	3,979	6	16,132	1	4,200	5	11,932	6	6	0	0	
Grading.....	3	2	—	—	5	3,680	2	2,580	3	1,100	5	5	—	—	
Waterworks, dam, and reservoir.....	3	—	—	—	11	63,067	7	51,280	4	12,387	11	10	1	—	
Other classes ²	4	4	—	—	3	4,100	1	500	2	3,600	3	1	2	—	
Subcontractors.....	56	35	19	42,654	99	160,672	78	118,153	21	42,519	82	47	35	17	
Electrical.....	6	3	2	4,160	19	31,495	9	9,475	10	22,020	19	8	11	—	
Heating and plumbing.....	27	14	8	20,444	41	61,068	38	54,080	3	6,088	33	19	14	8	
Heating and piping.....	6	3	—	—	11	14,784	10	12,496	1	2,288	11	7	4	—	
Plumbing.....	10	5	3	11,204	11	18,225	9	15,125	2	3,800	6	4	2	5	
Plumbing and heating combined.....	11	6	5	9,240	10	27,359	19	27,359	—	—	10	8	2	3	
Painting and decorating.....	9	3	4	7,280	14	24,095	13	22,015	1	2,080	11	7	4	3	
Roofing and sheet-metal work.....	7	3	—	—	16	30,738	12	24,637	4	6,101	12	8	4	4	
Other classes ³	7	7	5	10,770	9	13,276	6	7,046	3	6,230	7	5	2	2	

¹ Includes operative builders.
² Includes sewers, gas, water, conduit; and dredging, river and harbor.
³ Includes carpentering; masonry; plastering; excavating; and flooring, n. e. s.

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

CLASSIFICATION OF ESTABLISHMENTS AND PERCENTAGE OF EQUIPMENT OWNED	Establishments reporting	EQUIPMENT		Value of construction business reported	Wages paid	CLASSIFICATION OF ESTABLISHMENTS AND PERCENTAGE OF EQUIPMENT OWNED	Establishments reporting	EQUIPMENT		Value of construction business reported	Wages paid
		Purchased during the year	Inventory value at end of year					Purchased during the year	Inventory value at end of year		
MAINE	119	\$326,132	\$992,481	\$11,519,924	\$3,960,815	MAINE—Continued					
<i>Classification of establishments</i>						<i>Percentage of equipment owned</i>					
General contractors ¹	75	304,246	869,597	9,036,257	3,247,783	General contractors ¹	75	\$304,246	\$869,597	\$9,036,257	\$3,247,783
Building.....	55	102,196	349,793	6,892,705	2,330,893	None.....	2	—	—	74,665	7,300
Building not specialized ¹	40	99,054	315,351	6,195,823	2,085,325	1% to 25%, inclusive.....	1	—	—	168,000	33,924
Residential building only.....	9	3,142	34,442	696,882	251,568	26% to 50%, inclusive.....	3	35,995	67,707	467,502	118,442
Highway.....	6	34,037	182,711	448,172	191,725	51% to 75%, inclusive.....	10	170,923	256,993	3,363,417	1,316,624
Bridges and culvert.....	5	32,521	90,274	353,312	121,829	76% to 99%, inclusive.....	59	97,328	544,897	4,962,673	1,776,493
Grading.....	3	20,750	34,292	252,690	63,619	100%.....	—	—	—	—	—
Waterworks, dam, and reservoir.....	3	104,942	167,527	929,269	465,851	Not reported.....	—	—	—	—	—
Other classes ²	3	9,200	45,000	160,109	67,866	Subcontractors.....	44	21,886	122,864	2,483,667	713,032
Subcontractors.....	44	21,886	122,864	2,483,667	713,032	None.....	—	—	—	—	—
Electrical.....	6	2,074	11,955	300,494	92,910	1% to 25%, inclusive.....	—	—	—	—	—
Heating and plumbing.....	21	5,778	61,895	1,340,452	284,788	26% to 50%, inclusive.....	—	—	—	—	—
Heating and piping.....	5	500	16,887	445,561	88,018	51% to 75%, inclusive.....	1	160	400	45,494	12,000
Plumbing.....	9	2,564	35,236	510,726	99,955	76% to 99%, inclusive.....	40	16,626	112,564	2,333,877	673,942
Plumbing and heating combined.....	7	2,714	9,772	384,165	96,815	100%.....	3	5,100	9,900	104,296	27,690
Painting and decorating.....	6	2,855	11,785	287,811	160,539	Not reported.....	—	—	—	—	—
Roofing and sheet-metal work.....	6	6,065	23,957	304,954	71,780						
Other classes ³	5	5,114	13,272	249,956	103,015						

¹ Includes operative builders.
² Includes sewer, gas, water, conduit; and dredging, river, harbor, etc.
³ Includes masonry; plastering and lathing; and excavating.
⁴ See footnote 5 of Table 1 on p. 523.

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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 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	Sep-tember	October	Novem-ber	Decem-ber	
MAINE	130	1,908	1,851	1,709	1,943	2,271	2,618	3,095	3,386	3,666	3,488	3,054	2,237	\$4,300,975
<i>Classification of establishments</i>														
General contractors.....	77	1,529	1,490	1,309	1,467	1,688	2,043	2,539	2,862	3,156	2,937	2,527	1,775	3,458,032
Building.....	57	1,322	1,343	1,182	1,352	1,393	1,601	1,795	1,869	2,049	1,902	1,703	1,461	2,555,628
Building not specialized.....	49	1,229	1,251	1,095	1,216	1,235	1,427	1,638	1,693	1,887	1,742	1,570	1,320	2,316,116
Residential building only.....	8	93	92	87	136	158	174	157	176	162	160	133	135	240,512
Highway.....	6	67	58	49	31	106	182	358	410	344	280	158	23	191,725
Bridge and culvert.....	5	55	58	5	15	44	75	127	129	174	141	111	63	121,829
Grading.....	3	16	23	24	35	45	59	64	65	83	104	71	48	63,610
Waterworks, dam, and reservoir.....	3	55	56	24	7	28	48	113	283	391	456	439	153	465,851
Other classes ¹	3	14	10	25	27	72	78	82	106	115	64	45	27	59,380
Subcontractors.....	53	379	361	400	476	583	575	556	524	510	551	527	462	842,943
Electrical.....	6	55	53	54	56	57	64	65	61	55	57	53	53	92,910
Heating and plumbing.....	24	169	150	147	154	167	167	168	168	175	195	193	196	302,806
Heating and piping.....	5	49	45	42	40	42	45	44	40	47	50	51	55	86,956
Plumbing.....	9	60	55	51	55	60	56	59	55	62	72	73	70	94,529
Plumbing and heating combined.....	10	60	60	54	59	65	65	65	64	66	73	69	71	122,382
Painting and decorating.....	10	79	73	102	110	181	197	182	143	141	151	136	79	251,133
Roofing and sheet-metal work.....	7	39	51	51	69	75	72	69	70	76	84	80	71	83,718
Other classes ²	6	36	34	46	87	103	75	72	76	63	64	65	63	112,310
<i>Length of working week</i>														
General contractors.....	77	1,529	1,490	1,309	1,467	1,688	2,043	2,539	2,862	3,156	2,937	2,527	1,775	3,458,032
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.....	28	418	358	358	411	523	597	615	716	673	628	595	526	918,654
49½-hour, 5½-day week.....														
55-hour, 5½-day week.....														
All other 5½-day week.....	5	124	187	200	310	203	238	190	147	160	204	188	135	270,061
48-hour, 6-day week.....	18	317	220	222	320	302	387	455	400	511	492	305	356	520,745
54-hour, 6-day week.....	18	422	462	395	242	425	557	729	830	1,010	834	676	421	800,002
60-hour, 6-day week.....	6	71	72	31	10	60	141	355	525	606	606	401	148	555,341
All other 6-day week.....	1	175	169	153	160	144	123	171	204	174	160	167	181	282,324
All other not designated.....														
Not reported.....	1	2	13	9	14	17	20	15	22	22	43	15	8	20,405
Subcontractors.....	53	379	361	400	476	583	575	556	524	510	551	527	462	842,943
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.....	20	274	251	282	314	378	374	359	342	324	346	333	305	570,520
49½-hour, 5½-day week.....														
55-hour, 5½-day week.....														
All other 5½-day week.....	3	10	10	12	14	10	15	15	19	18	14	18	19	21,498
48-hour, 6-day week.....	14	58	65	71	111	133	128	117	99	99	118	112	75	104,857
54-hour, 6-day week.....	3	17	16	17	20	24	31	37	37	38	42	34	33	41,316
60-hour, 6-day week.....														
All other 6-day week.....	2	9	8	8	9	9	10	11	14	14	14	12	12	14,088
All other not designated.....														
Not reported.....	2	11	11	10	8	20	17	17	13	17	17	18	18	29,755

¹ Includes sewer, gas, water, conduit; and dredging, river, harbor, etc.

² Includes carpentering and wood flooring; masonry; plastering and lathing; and excavating.

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TABLE 8.—EXPENDITURES OF REPORTING ESTABLISHMENTS: 1929

CLASSIFICATION OF ESTABLISHMENTS	Es-tab-lish-ments re- port- ing	Value of con- struction busi- ness re- ported	PRINCIPAL ITEMS OF EXPENDITURE			OTHER ITEMS OF EXPENDITURE							
			Subcon- tract work let	Wages Paid	Cost of materials	Salaries		Rent for—		Interest	Con- tract bond pre- miums	Compen- sation and lia- bility in- surance pre- miums	All other over- head ex- penses
						Propri- etors and firm members	Em- ployees	Equip- ment	Offices, etc.				
MAINE	125	\$11,281,818	\$1,438,000	\$3,770,141	\$3,606,300	\$105,733	\$833,944	\$98,441	\$47,807	\$72,433	\$31,676	\$116,127	\$532,807
General contractors ¹	74	8,629,029	1,413,000	3,000,278	2,410,213	66,649	498,412	92,541	27,579	56,255	31,614	96,267	362,957
Building.....	55	6,475,258	1,391,000	2,054,607	2,031,586	62,409	335,696	23,714	19,416	30,972	18,259	70,957	194,570
Building not specialized ¹	47	5,806,361	1,287,000	1,814,729	1,830,160	43,239	308,329	23,414	17,003	28,360	18,269	64,108	181,423
Residential building only.....	8	668,897	104,000	239,878	201,423	19,170	29,367	300	1,813	2,612	-----	6,849	13,147
Highway and grading.....	8	532,862	17,000	221,420	65,740	-----	57,077	51,887	3,185	13,202	3,092	10,741	31,906
Bridge and culvert.....	4	476,531	-----	180,534	161,919	-----	37,872	1,225	1,182	7,723	4,082	6,593	20,015
Waterworks, dam, and reservoir.....	3	929,269	5,000	465,851	62,633	-----	63,067	15,565	3,446	4,223	5,581	5,069	100,791
Other classes ²	4	215,109	-----	77,866	88,335	-----	4,100	150	350	135	-----	2,007	6,674
Subcontractors.....	51	2,652,789	25,000	760,863	1,196,087	39,084	140,532	3,900	20,028	16,178	62	19,860	169,950
Electrical.....	5	275,494	-----	88,710	115,560	4,160	30,705	-----	4,201	2,111	62	1,625	10,384
Heating and plumbing.....	25	1,481,608	5,000	315,344	325,416	20,444	49,598	900	8,543	8,813	-----	5,417	96,732
Heating and piping.....	6	475,908	-----	94,196	315,667	-----	14,784	-----	1,647	1,040	-----	1,680	35,675
Plumbing.....	8	460,250	5,000	78,774	253,648	11,204	12,425	900	2,194	3,593	-----	989	19,582
Plumbing and heating combined.....	11	545,460	-----	142,374	260,801	9,240	22,359	-----	4,702	2,936	-----	2,748	41,475
Painting and decorating.....	9	370,375	2,000	212,006	71,590	7,230	24,095	-----	3,800	1,985	-----	5,168	27,342
Roofing and sheet-metal work.....	7	335,684	16,000	83,718	132,117	-----	30,738	-----	3,800	1,985	-----	4,480	32,147
Other classes ³	5	180,028	2,000	70,085	43,344	7,200	5,336	3,000	1,240	330	-----	3,170	3,345

¹ Includes operative builders.
² Includes sewer, gas, water, conduit; and dredging, river, harbor, etc.
³ Includes carpentering and wood flooring; masonry; plastering and lathing; and excavating.
 See footnote 5 of Table 1 on p. 523.

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		Subcon- tractors	All classes of establish- ments			General contractors	Subcon- tractors
	Amount	Per cent distribution	Per \$1,000 construction work done ¹				Amount	Per cent distribution	Per \$1,000 construction work done ¹		
MAINE					MAINE—Continued						
All kinds of material.....	\$4,185,145	-----	\$361.00	\$2,824,425	\$1,360,720	Distributed by kind—Continued.					
Distribution not reported.....	1,604,070	35.9	-----	1,009,146	500,924	Composition board.....	\$37,066	1.4	\$4.99	\$37,066	
Distributed by kind.....	2,681,075	100.0	-----	1,821,279	859,796	Waterproofing materials.....	12,376	.5	1.07	9,570	\$2,800
Sand, gravel, stone, slag, cinders, etc.....	149,878	5.6	20.14	146,658	2,920	Hardware, rough and finished.....	76,395	2.8	10.28	75,395	1,000
Brick (face, common, fire, paving, etc.).....	167,949	6.3	22.61	166,324	1,625	Paints, varnishes, glass.....	126,875	4.7	17.08	43,735	83,140
Tile (fireproofing).....	2,041	.1	.27	2,041	-----	Roofing and sheet metal.....	172,957	6.5	23.29	40,459	132,498
Tile, facing, terra cotta, floor, and wall.....	20,744	.8	2.79	20,744	-----	Finished flooring other than cement, wood, or tile.....	13,020	.5	1.75	13,020	-----
Concrete and cinder block.....	16,541	.6	2.23	16,541	-----	Screens, shades, awnings, etc.....	4,236	.2	.57	4,236	-----
Cut stone, granite, and marble.....	31,789	1.2	4.28	31,789	-----	Heating and ventilating equipment.....	345,564	12.9	46.53	29,905	315,569
Riprap, rubble, etc.....	2,401	.1	.32	1,401	1,000	Plumbing and gas-fitting equip- ment.....	207,039	7.7	27.88	38,900	168,139
Cement.....	198,612	7.4	26.74	192,992	5,620	Electrical appliances and supplies.....	116,715	4.4	15.71	8,255	108,460
Lime.....	12,330	.5	1.66	11,305	1,025	Elevators, dumb-waiters, and equipment.....	1,848	.1	.25	1,848	-----
Plaster, etc.....	19,638	.7	2.64	16,226	3,412	Pipe: Drain tile, vitrified, concrete, segment tile, corrugated.....	8,561	.3	1.15	7,961	600
Structural steel.....	126,217	4.7	17.00	123,717	2,500	Pipe: Cast-iron, sheet and tube steel, etc.....	20,589	.8	2.77	11,018	9,571
Reinforcing steel.....	60,686	2.3	8.17	60,686	-----	Wire cable, guards, and fencing.....	30,969	1.2	4.17	15,969	17,000
Cast iron, miscellaneous (excluding pipe).....	7,019	.3	.95	7,019	-----	Bituminous paving materials, tar, asphalt, and oil.....	4,122	.2	.56	4,122	-----
Metal doors, windows, and trim.....	13,897	.5	1.87	13,897	-----	Freight, hauling or trucking to job.....	6,259	.2	.84	6,259	-----
Metal and wire lath and furring.....	14,929	.6	2.01	12,612	2,317	Mineral products (nonmetallic) n. e. s.....	1,100	(²)	.15	1,100	-----
Ornamental metal work.....	3,630	.1	.49	3,630	-----	Sealing materials.....	227	(²)	.03	227	-----
Lumber, rough and finished.....	491,364	18.3	66.16	490,784	600	Miscellaneous.....	8,115	.3	1.09	8,115	-----
Lath, shingles, and shakes (wood).....	23,243	.9	3.13	23,243	-----						
Millwork.....	124,434	4.0	10.75	124,434	-----						

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 Less than one-tenth of 1 per cent.
³ The percentage of total cost shown for this item is high because the business of establishments reporting this material constituted a large part of the total business reported for this area.

CONSTRUCTION—MAINE

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 MATERIALS 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 MATERIALS AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹							
	Cost of all materials distributed by kind	Per cent of—		Amount				Cost of all materials distributed by kind	Per cent of—		Amount									
		Total cost	Cost of all distributed materials						Total cost	Cost of all distributed materials										
MAINE																				
<i>Sand, gravel, stone, slag, cinders, etc.</i>																				
All classes.....	\$2,081,075	\$149,578	100.0	5.0	\$8,040,343	88.5	MAINE—Continued													
<i>Lumber, rough and finished</i>																				
All classes.....	\$2,081,075	\$491,304	100.0	68.3	\$8,040,343	88.5	All classes.....	\$2,081,075	\$491,304	100.0	68.3	\$8,040,343	88.5							
General contractors.....	1,821,279	146,058	98.0	8.1	6,682,170	85.6	General contractors.....	1,821,279	490,704	99.9	26.9	6,682,170	85.6							
Building.....	1,406,533	60,418	40.4	4.3	4,474,457	81.8	Building.....	1,406,533	443,402	90.2	31.5	4,474,457	81.8							
Building not specialized.....	1,271,111	54,431	36.4	4.3	3,989,163	81.5	Building not specialized.....	1,271,111	308,286	75.0	29.0	3,989,163	81.5							
Residential building only.....	135,422	5,987	4.0	4.4	485,294	85.1	Residential building only.....	135,422	75,110	15.3	55.5	485,294	85.1							
Highway.....	55,323	11,954	8.0	21.6	448,172	97.3	Highway.....	55,323	6,401	1.3	11.0	448,172	97.3							
Bridge and culvert.....	173,303	51,546	34.5	29.7	511,118	100.0	Bridge and culvert.....	173,303	21,979	4.6	12.7	511,118	100.0							
Grading.....	43,927	14,000	9.4	31.9	202,200	86.2	Grading.....	43,927	3,445	.7	7.8	202,200	86.2							
Sewer, gas, water, conduit.....	68,455	1,800	1.2	2.6	142,109	100.0	Sewer, gas, water, conduit.....	68,455	655	.1	1.0	142,109	100.0							
Dam and reservoir.....	41,657	6,640	4.4	15.9	786,085	100.0	Dam and reservoir.....	41,657	882	.2	2.1	786,085	100.0							
Dredging, river, harbor, etc.....	19,880	300	.2	1.5	73,000	100.0	Dredging, river, harbor, etc.....	19,880	14,000	2.8	70.4	73,000	100.0							
Subcontractors.....	859,796	2,920	2.0	.3	1,904,167	99.2	Subcontractors.....	859,796	000	.1	.1	1,904,167	99.2							
Masonry.....	8,580	1,955	1.3	22.8	37,545	97.5	Electrical.....	127,500	200	(9)	.2	300,494	100.0							
Plastering and lathing.....	5,869	365	.2	6.2	26,290	100.0	Roofing and sheet-metal work.....	132,177	400	.1	.3	335,694	95.2							
Excavating.....	8,470	600	.4	7.1	46,795	100.0	Roofing and sheet metal combined.....	66,250	400	.1	.6	120,000	100.0							
<i>Brick (face, common, fire, paving, etc.)</i>																				
All classes.....	2,681,075	167,949	100.0	6.3	8,040,343	88.5	<i>Millwork</i>													
All classes.....	2,681,075	124,434	100.0	4.6	8,040,343	88.5	All classes.....	2,681,075	124,434	100.0	4.6	8,040,343	88.5							
General contractors.....	1,821,279	106,324	99.0	9.1	6,682,170	85.6	General contractors.....	1,821,279	124,434	100.0	6.8	6,682,170	85.6							
Building.....	1,406,533	143,404	35.4	10.2	4,474,457	81.8	Building.....	1,406,533	118,634	95.3	8.4	4,474,457	81.8							
Building not specialized.....	1,271,111	136,926	81.5	10.8	3,989,163	81.5	Building not specialized.....	1,271,111	116,034	93.2	9.1	3,989,163	81.5							
Residential building only.....	135,422	6,478	3.0	4.8	485,294	85.1	Residential building only.....	135,422	2,500	2.0	18.5	485,294	85.1							
Highway.....	55,323	2,300	1.4	4.2	448,172	97.3	Bridge and culvert.....	173,303	200	.2	1.1	511,118	100.0							
Bridge and culvert.....	173,303	115	.1	.1	511,118	100.0	Grading.....	43,927	4,700	3.8	10.7	202,200	86.2							
Grading.....	43,927	660	.4	1.5	202,200	86.2	Dredging, river, harbor, etc.....	19,880	1,000	.8	5.0	73,000	100.0							
Sewer, gas, water, conduit.....	68,455	18,000	10.7	26.3	142,109	100.0	<i>Hardware, rough and finished</i>													
Dam and reservoir.....	41,657	1,545	.9	3.7	786,085	100.0	All classes.....	2,681,075	70,395	100.0	2.8	8,040,343	88.5							
Dredging, river, harbor, etc.....	19,880	300	.2	1.5	73,000	100.0	General contractors.....	1,821,279	75,395	98.7	4.1	6,682,170	85.6							
Subcontractors.....	859,796	1,025	1.0	.2	1,904,167	99.2	Building.....	1,406,533	63,534	83.2	4.5	4,474,457	81.8							
Masonry.....	8,580	825	.5	9.6	37,545	97.5	Building not specialized.....	1,271,111	50,715	74.2	4.5	3,989,163	81.5							
Excavating.....	8,470	800	.5	9.4	46,795	100.0	Residential building only.....	135,422	6,819	8.9	5.0	485,294	85.1							
<i>Cement</i>																				
All classes.....	2,681,075	198,612	100.0	7.4	8,040,343	88.5	Highway.....	55,323	509	.7	9.0	448,172	97.3							
General contractors.....	1,821,279	192,992	97.2	10.6	6,682,170	85.6	Bridge and culvert.....	173,303	9,880	12.9	5.7	511,118	100.0							
Building.....	1,406,533	104,194	52.5	7.4	4,474,457	81.8	Grading.....	43,927	270	.4	.6	202,200	86.2							
Building not specialized.....	1,271,111	89,794	45.2	7.1	3,989,163	81.5	Dam and reservoir.....	41,657	211	.3	.5	786,085	100.0							
Residential building only.....	135,422	14,400	7.8	10.6	485,294	85.1	Dredging, river, harbor, etc.....	19,880	1,000	1.3	5.0	73,000	100.0							
Highway.....	55,323	17,877	9.0	32.3	448,172	97.3	Subcontractors.....	859,796	1,000	1.3	.1	1,904,167	99.2							
Bridge and culvert.....	173,303	48,938	24.6	28.2	511,118	100.0	Electrical.....	127,500	1,000	1.3	.8	300,494	100.0							
Grading.....	43,927	7,950	4.0	18.1	202,200	86.2	<i>Paints, varnishes, glass</i>													
Sewer, gas, water, conduit.....	68,455	4,250	2.1	6.2	142,109	100.0	All classes.....	2,681,075	126,875	100.0	4.7	8,040,343	88.5							
Dam and reservoir.....	41,657	8,503	4.3	20.4	786,085	100.0	General contractors.....	1,821,279	43,735	34.5	2.4	6,682,170	85.6							
Dredging, river, harbor, etc.....	19,880	1,280	.6	6.4	73,000	100.0	Building.....	1,406,533	38,399	30.3	2.7	4,474,457	81.8							
Subcontractors.....	859,796	5,620	2.8	.7	1,904,167	99.2	Building not specialized.....	1,271,111	32,165	25.4	2.5	3,989,163	81.5							
Masonry.....	8,580	4,825	2.4	56.2	37,545	97.5	Residential building only.....	135,422	6,234	4.0	4.6	485,294	85.1							
Excavating.....	8,470	795	.4	9.4	46,795	100.0	Highway.....	55,323	50	(0)	.1	448,172	97.3							
<i>Structural steel</i>																				
All classes.....	2,681,075	126,217	100.0	4.7	8,040,343	88.5	Grading.....	43,927	670	.4	1.3	202,200	86.2							
General contractors.....	1,821,279	123,717	98.0	6.8	6,682,170	85.6	Sewer, gas, water, conduit.....	68,455	4,000	3.2	5.8	142,109	100.0							
Building.....	1,406,533	117,038	92.7	8.3	4,474,457	81.8	Dam and reservoir.....	41,657	716	.6	1.7	786,085	100.0							
Building not specialized.....	1,271,111	116,530	92.3	9.2	3,989,163	81.5	Subcontractors.....	859,796	83,140	65.5	9.7	1,904,167	99.2							
Residential building only.....	135,422	508	.4	.4	485,294	85.1	Heating and plumbing.....	494,550	100	.1	(9)	813,314	99.7							
Highway.....	55,323	4,625	3.7	2.7	511,118	100.0	Plumbing and heating combined.....	79,207	100	.1	.1	161,804	100.0							
Bridge and culvert.....	173,303	4,625	3.7	2.7	511,118	100.0	Painting and decorating.....	82,590	82,590	65.1	100.0	404,045	99.5							
Grading.....	43,927	1,450	1.1	3.3	202,200	86.2	Roofing and sheet-metal work.....	132,177	450	.4	.3	335,694	95.2							
Dam and reservoir.....	41,657	604	.5	1.4	786,085	100.0	Roofing and sheet metal combined.....	66,250	450	.4	.7	120,000	100.0							
Subcontractors.....	859,796	2,500	2.0	.3	1,904,167	99.2	<i>Roofing and sheet metal</i>													
Excavating.....	8,470	2,500	2.0	29.5	46,795	100.0	All classes.....	2,681,075	172,957	100.0	6.5	8,040,343	88.5							
<i>Reinforcing steel</i>																				
All classes.....	2,681,075	60,680	100.0	2.3	8,040,343	88.5	General contractors.....	1,821,279	40,459	23.4	2.2	6,682,170	85.6							
General contractors.....	1,821,279	60,680	100.0	3.3	6,682,170	85.6	Building.....	1,406,533	37,809	21.9	2.7	4,474,457	81.8							
Building.....	1,406,533	13,968	23.0	1.0	4,474,457	81.8	Building not specialized.....	1,271,111	37,809	21.9	3.0	3,989,163	81.5							
Building not specialized.....	1,271,111	13,968	23.0	1.1	3,989,163	81.5	Residential building only.....	135,422	20	(0)	.0	485,294	85.1							
Residential building only.....	135,422	5,023	8.3	9.1	448,172	97.3	Highway.....	55,323	230	.1	.5	202,200	86.2							
Highway.....	55,323	23,720	30.1	13.7	511,118	100.0	Bridge and culvert.....	173,303	200	(6)	.0	511,118	100.0							
Bridge and culvert.....	173,303	2,500	.8	.1	202,200	86.2	Grading.....	43,927	230	.1	.5	202,200	86.2							
Grading.....	43,927	500	.3	1.1	142,109	100.0	Sewer, gas, water, conduit.....	68,455	2,000	1.2	2.9	142,109	100.0							
Sewer, gas, water, conduit.....	68,455	200	.3	.3	142,109	100.0	Dam and reservoir.....	41,657	17,266	28.5	41.4	786,085	100.0							
Dam and reservoir.....	41,657	17,266	28.5	41.4	786,085	100.0	Dredging, river, harbor, etc.....	19,880	400	.2	.0	73,000	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 MATERIALS 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 MATERIALS 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		
MAINE—Continued						MAINE—Continued							
Roofing and sheet metal—Continued						Plumbing and gas-fitting equipment							
Subcontractors.....	\$850,796	\$132,498	70.6	15.4	\$1,064,167	99.2	All classes.....	\$2,681,075	\$207,039	100.0	7.7	\$8,646,343	88.5
Electrical.....	127,560	1,000	.6	.8	300,494	100.0	General contractors.....	1,821,279	38,900	18.8	2.1	\$6,682,176	85.6
Heating and plumbing.....	494,550	671	.4	.1	813,314	99.7	Building.....	1,406,533	18,838	9.1	1.3	4,474,457	81.8
Plumbing.....	137,216	350	.2	.3	240,700	99.1	Building not specialized.....	1,271,111	15,882	7.7	1.2	3,989,163	81.5
Plumbing and heating combined.....	79,207	321	.2	.4	151,804	100.0	Residential building only.....	135,422	2,956	1.4	2.2	485,294	85.1
Roofing and sheet-metal work.....	132,177	130,827	75.6	99.0	335,084	95.2	Bridge and culvert.....	173,303	70	(^o)	(^o)	511,118	100.0
Roofing.....	48,739	48,739	28.2	100.0	138,089	100.0	Grading.....	43,927	2,700	1.3	6.1	202,200	86.2
Sheet-metal work.....	17,188	16,888	9.8	98.3	76,095	79.2	Sewer, gas, water, conduit.....	68,455	17,200	8.3	25.1	142,109	100.0
Roofing and sheet metal combined.....	66,250	65,200	37.7	98.4	120,000	100.0	Dam and reservoir.....	41,657	86	(^o)	.2	786,085	100.0
Heating and ventilating equipment²						Subcontractors.....							
All classes.....	2,681,075	345,564	100.0	12.0	8,646,343	88.5	Heating and plumbing.....	494,550	168,139	81.2	19.0	\$1,964,167	99.2
General contractors.....	21,821,279	29,995	8.7	1.0	80,682,176	85.6	Heating and piping.....	278,127	168,139	13.2	9.0	813,314	99.7
Building.....	1,406,533	12,336	3.0	.9	4,474,457	81.8	Plumbing.....	137,216	93,444	45.1	68.1	414,804	100.0
Building not specialized.....	1,271,111	9,380	2.7	.7	3,989,163	81.5	Plumbing and heating combined.....	79,207	47,291	22.8	59.7	246,706	99.1
Residential building only.....	135,422	2,956	.9	2.2	485,294	86.1	Electrical appliances and supplies						
Sewer, gas, water, conduit.....	68,455	17,500	5.1	25.6	142,109	100.0	All classes.....	2,681,075	116,715	100.0	4.4	8,646,343	88.5
Dam and reservoir.....	41,657	159	(^o)	.4	786,085	100.0	General contractors.....	1,821,279	8,255	7.1	.5	\$6,682,176	85.6
Subcontractors.....	850,796	315,569	91.3	36.7	1,964,167	99.2	Building.....	1,406,533	7,726	6.6	.5	4,474,457	81.8
Heating and plumbing.....	494,550	315,369	91.3	63.8	813,314	99.7	Building not specialized.....	1,271,111	4,770	4.1	2.4	3,989,163	81.5
Heating and piping.....	278,127	246,202	71.2	88.5	414,804	100.0	Residential building only.....	135,422	2,956	2.5	2.2	485,294	85.1
Plumbing.....	137,216	42,072	12.2	30.7	246,706	99.1	Bridge and culvert.....	173,303	498	.4	.2	511,118	100.0
Plumbing and heating combined.....	79,207	27,095	7.8	34.2	151,804	100.0	Grading.....	43,927	120	.1	.3	202,200	86.2
Roofing and sheet-metal work.....	132,177	200	.1	.2	335,084	95.2	Subcontractors.....	850,796	168,460	92.9	12.6	\$1,964,167	99.2
Roofing and sheet metal combined.....	66,250	200	.1	.3	120,000	100.0	Electrical.....	127,560	168,360	92.8	84.9	300,494	100.0
							Heating and plumbing.....	494,550	100	.1	(^o)	813,314	99.7
							Plumbing and heating combined.....	79,207	100	.1	.1	151,804	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 cost of materials reported by establishments which did not include designated material in their distributed lists.
³ Includes construction work reported by establishments which did not include the designated material in their distributed lists.
⁴ Includes cost of materials reported by subcontracting establishments which did not include the designated material in their distributed lists.
⁵ Includes construction work reported by subcontracting establishments which did not include the designated material in their distributed lists.
⁶ Less than one-tenth of 1 per cent.
* See footnote 8 of Table 9, on p. 527.

CONSTRUCTION—MAINE

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

CLASSIFICATION OF ESTABLISHMENTS	Total cost of all materials	COST OF ALL MATERIALS DISTRIBUTED BY KIND		Sand, gravel, crushed stone, slag, cinders, etc.	Brick (face, common, fire, paving, etc.)	Tile (fire-proofing)	Tile, facing, terra cotta, floor and wall	Concrete and cinder block	Cut stone, granite and marble	Riprap, rubble, etc.	Cement	Lime
		Amount	Per cent of total									
MAINE	\$4,185,145	\$2,681,075	64.1	\$149,578	\$167,949	\$2,041	\$20,744	\$16,541	\$31,789	\$2,401	\$198,612	\$12,930
General contractors	2,324,425	1,821,270	64.5	146,658	166,324	2,041	20,744	16,541	31,789	1,401	192,992	11,395
Building	2,389,414	1,406,538	59.0	60,418	143,404	1,841	20,213	13,541	20,589	901	104,194	11,045
Building not specialized	2,168,868	1,271,111	58.6	54,431	130,926	1,841	20,213	13,541	20,589	901	89,794	8,767
Residential building only	214,546	135,422	63.1	5,987	6,478						14,400	2,278
Highway	55,323	55,323	100.0	11,954	2,300	200		2,250		500	17,877	
Bridge and culvert	183,701	173,303	94.3	51,546	115				8,600		48,938	5
Grading	51,019	43,927	86.1	14,000	660			250	2,600		7,950	187
Sewer, gas, water, conduit	68,455	68,455	100.0	1,800	13,000						4,250	
Dam and reservoir	41,657	41,657	100.0	6,640	1,545		531				8,503	48
Waterworks	20,976	12,201	58.2									
Dredging, river, harbor, etc.	19,880	19,880	100.0	300	300			500			1,280	50
Subcontractors	1,360,720	859,796	63.2	2,920	1,625					1,000	5,620	1,025
Electrical	127,500	127,500	100.0									
Heating and plumbing	908,049	494,560	54.5									
Heating and piping	316,067	278,127	88.3									
Plumbing	305,681	137,216	44.9									
Plumbing and heating combined	287,301	79,207	27.6									
Masonry	22,830	8,580	37.6	1,955	825						4,825	750
Painting and decorating	82,590	82,590	100.0									
Plastering and lathing	35,809	5,899	16.4	365								
Roofing and sheet-metal work	132,177	132,177	100.0									
Roofing	48,739	48,739	100.0									
Sheet-metal work	17,188	17,188	100.0									
Roofing and sheet metal combined	66,250	66,250	100.0									
Excavating	8,470	8,470	100.0	600	800					1,000	705	275

CLASSIFICATION OF ESTABLISHMENTS	Plaster, etc.	Structural steel	Reinforcing steel	Cast iron, miscellaneous (excluding pipe)	Metal doors, windows, and trim	Metal and wire lath and furring	Ornamental metal work	Lumber, rough and finished	Laths, shingles, and shakes	Millwork	Composition board	Water-proofing materials	Hardware, rough and finished
MAINE	\$19,638	\$128,217	\$60,686	\$7,019	\$13,897	\$14,929	\$3,630	\$491,364	\$23,243	\$124,434	\$37,066	\$12,376	\$76,395
General contractors	16,226	123,717	60,686	7,019	13,897	12,012	3,630	490,704	23,243	124,434	37,066	9,870	75,395
Building	15,460	117,038	13,968	5,819	13,507	12,432	2,815	443,402	22,383	118,534	36,450	8,220	63,584
Building not specialized	15,331	116,530	13,968	5,819	13,507	12,013	2,815	368,286	18,355	116,034	35,308	8,220	56,715
Residential building only	135	508				419		75,116	4,028	2,500	1,148		6,810
Highway			5,023	1,200				6,401				200	500
Bridge and culvert	10	4,625	23,729					21,979		200		400	9,880
Grading	700	1,450	200		390	180		3,445	360	4,700	110	750	270
Sewer, gas, water, conduit			500					655					
Dam and reservoir		604	17,266				815	882					211
Dredging, river, harbor, etc.	50							14,000	500	1,000	500		1,000
Subcontractors	3,412	2,500				2,317		600				2,800	1,000
Electrical								200					1,000
Masonry	225												
Plastering and lathing	3,187					2,317							
Roofing and sheet-metal work								400					300
Sheet-metal work													300
Roofing and sheet metal combined								400					
Excavating		2,500										2,500	

CLASSIFICATION OF ESTABLISHMENTS	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.	Wire cable, guards, and fencing	Bituminous paving materials	Freight, hauling or trucking to job	Miscellaneous ¹
MAINE	\$126,875	\$172,957	\$13,020	\$4,236	\$345,564	\$207,039	\$116,715	\$3,561	\$20,559	\$30,069	\$4,122	\$6,259	\$11,390
General contractors	43,735	40,459	13,020	4,236	29,995	38,900	8,255	7,961	11,018	13,969	4,122	6,259	11,390
Building	38,999	37,809	13,020	4,166	12,336	18,838	7,726	6,152	211	4,626	1,292	6,259	5,983
Building not specialized	32,165	37,809	13,020	3,863	9,380	15,882	4,770	6,152		4,626	1,292	6,259	5,983
Residential building only	6,234			293	2,956	2,956							
Highway	50								211				
Bridge and culvert		20				76	409	400	30	4,378	2,060		
Grading	570	230		80		2,700	120	600	1,383	1,388			
Sewer, gas, water, conduit	4,000	2,000			17,500	17,200		350	2,500		770		
Dam and reservoir	716				159	80		459		3,192			
Waterworks									6,894				5,307
Dredging, river, harbor, etc.		400											
Subcontractors	83,140	132,498			315,569	168,139	108,460	600	9,571	17,000			
Electrical		1,000					108,360			17,000			
Heating and plumbing	100	671			315,360	168,139	100	600	9,571				
Heating and piping					246,202	27,404			4,521				
Plumbing		350			42,072	38,444		400	950				
Plumbing and heating combined	100	321			27,095	47,291	100	200	4,100				
Painting and decorating	82,590												
Roofing and sheet-metal work	450	130,827			200								
Roofing		48,739											
Sheet-metal work		16,888											
Roofing and sheet metal combined	450	65,200			200								

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

¹ Carpentering and wood flooring, \$11,175; and flooring, n. e. s., \$32,000.

² Includes reported cost of elevators, dumb-waiters, etc.; mineral products (nonmetallic), n. e. s.; and sealing materials. For total cost of these items see Table 9.

* See footnote 3 of Table 9, on p. 527.

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	MAINE 1930 population, 797,423							
	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 establishments canvassed (under \$25,000).....	770	21	740		210	28.0		
Total establishments, type of work unknown.....	18		18		2	11.1	\$20,500	\$10,250
Total general and subcontractors classified.....	752	21	731	100.0	208	28.5		
Total general contractors classified.....	104	9	185	25.3	48	25.9	512,013	10,607
Building.....	149	6	143	19.6	41	28.7	410,613	10,015
Highway.....	36	3	33	4.5	4	12.1	69,400	17,350
Dredging, river and harbor.....	1		1	.1				
Sewer, gas, water, conduit.....	2		2	.3	1	50.0	3,000	3,000
Foundation.....	2		2	.3	1	50.0	18,000	18,000
Waterworks.....	2		2	.3				
Bridge and culvert.....	2		2	.3	1	50.0	11,000	11,000
Total subcontractors classified.....	558	12	546	74.7	160	29.3	1,343,000	8,394
Carpentering.....	77	5	72	9.9	29	40.3	215,712	7,438
Concreting.....	11		11	1.5	6	54.5	26,078	4,346
Electrical.....	90		90	12.3	23	25.6	202,934	8,823
Heating, ventilating, and piping.....	25		25	3.4	2	8.0	27,159	13,580
Masonry.....	38	3	35	4.8	9	25.7	56,065	6,229
Painting and decorating.....	87	3	84	11.5	24	28.6	159,996	6,667
Glass and glazing.....	2		2	.3				
Plastering.....	5	1	4	.5	2	50.0	6,200	3,100
Plumbing and heating.....	179		179	24.5	56	31.3	583,643	10,422
Sheet metal and roofing.....	28		28	3.8	6	21.4	48,020	8,003
Steel erection.....	1		1	.1				
Stonework.....	7		7	1.0	1	14.3	11,500	11,500
Marble and tiling.....	3		3	.4	1	33.3	3,785	3,785
Wrecking.....	2		2	.3	1	50.0	2,000	2,000
Ornamental iron and metal.....	3		3	.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

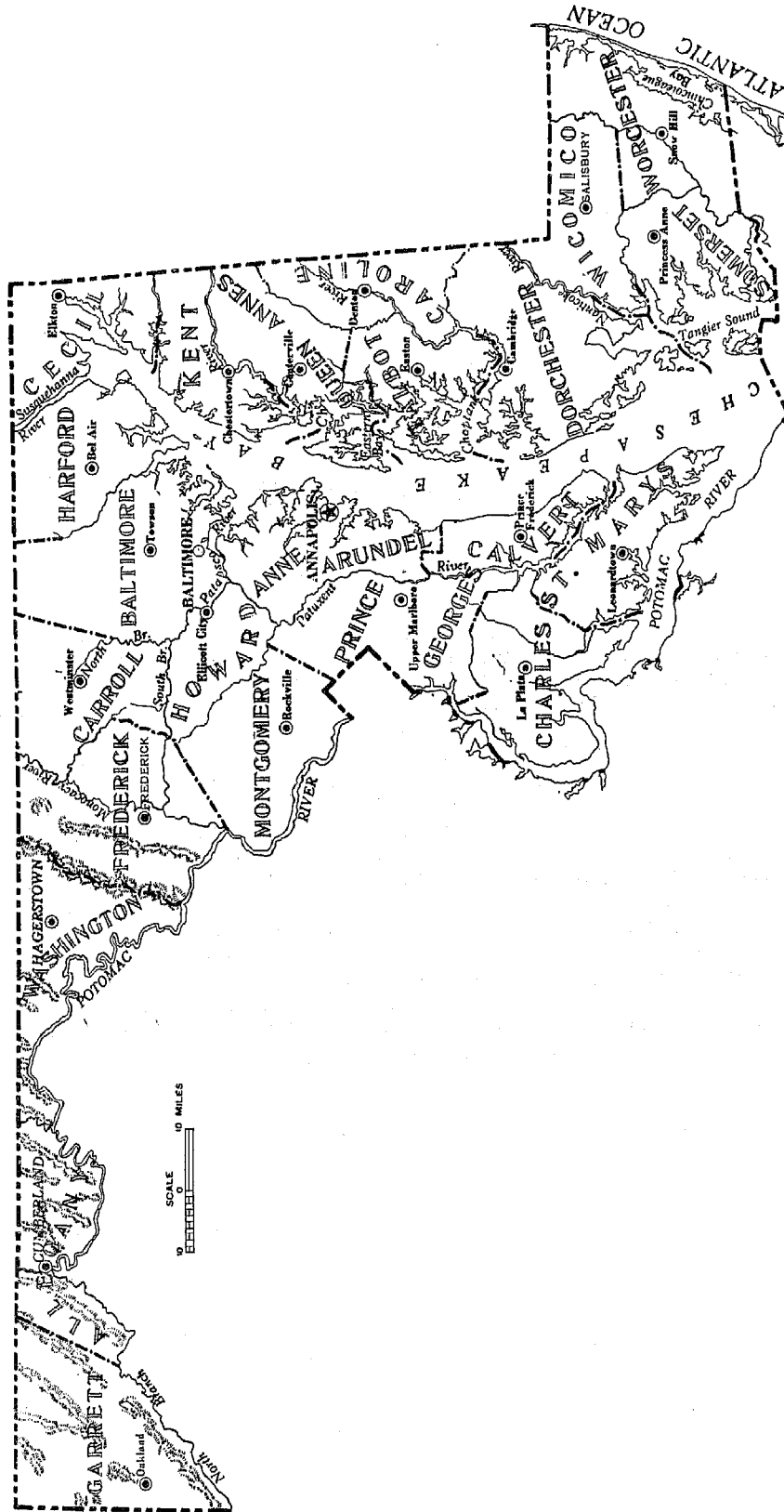
CLASSIFICATION	Total	Less than \$2,500	\$2,500 to \$4,999	\$5,000 to \$7,499	\$7,500 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$17,499	\$17,500 to \$19,999	\$20,000 to \$22,499	\$22,500 to \$24,999
MAINE											
Total general and subcontractors.....	210	40	32	34	16	32	10	15	12	14	5
General contractors.....	48	6	4	9	2	11	1	6	5	3	1
Subcontractors.....	160	34	28	25	13	20	9	9	7	11	4
Type of contracting unknown.....	2				1	1					

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CONSTRUCTION—MARYLAND

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 lot	Wages paid	Cost of materials			Total	Under general contract or directly for owner	Under sub-contract	Sub-contract work lot	Wages paid	Cost of materials
MARYLAND	407	\$108, 076	\$61, 048	\$27, 027	\$26, 045	\$23, 494	\$33, 300	MARYLAND—Contd.							
<i>Counties and principal city</i>								<i>Size of business groups—Continued</i>							
<i>Counties:</i>								Subcontractors—Continued							
Allegany.....	19	0, 080	8, 696	384	2, 061	2, 288	2, 388	\$100,000 to \$199,999.....	37	\$5, 140	\$1, 176	\$3, 964	\$80	\$1, 299	\$2, 574
Anne Arundel.....	7	558	435	123	184	97	210	\$200,000 to \$499,999.....	17	4, 642	1, 043	3, 599	312	1, 449	1, 672
Baltimore.....	10	1, 121	1, 060	61	288	271	427	\$500,000 to \$999,999.....	7	4, 606	40	4, 566	261	1, 332	2, 042
Dorchester.....	4	499	297	202	144	144	293	\$1,000,000 and over.....	4	8, 718	8, 718		1, 723	5, 620	
Frederick.....	12	1, 582	1, 306	276	101	320	760	BALTIMORE	298	87, 998	62, 749	25, 250	22, 790	18, 697	26, 033
Montgomery.....	10	967	730	237	240	205	402	<i>Classification of establishments</i>							
Prince Georges.....	3	98	66	32	26	61	150	Operative builders.....	17	5, 391	5, 391		3, 004	872	1, 073
Talbot.....	3	295	295		54	40	573	General contractors.....	114	54, 241	53, 647	594	10, 092	10, 048	11, 014
Washington.....	10	1, 409	1, 138	271	154	1, 259	1, 372	Building.....	78	34, 245	34, 225	20	18, 097	5, 187	6, 742
Wicomico.....	13	2, 573	2, 412	161	65	480	1, 277	Building not specialized.....	48	20, 812	20, 792	20	13, 300	4, 528	5, 610
Other counties ¹	12	1, 895	1, 807	28	106	478	843	Commercial building only.....	4	4, 302	4, 302		3, 420	340	364
Principal city: ²								Residential building only.....	21	3, 131	3, 131		1, 371	319	869
Baltimore.....	298	87, 998	62, 749	25, 250	22, 700	18, 697	20, 033	Highway.....	10	1, 424	1, 424		1, 073	332	466
<i>Classification of establishments</i>								Street paving.....	10	3, 321	3, 201	30	3	910	1, 081
Operative builders.....	21	5, 925	5, 925		3, 153	1, 016	1, 272	Sewer, gas, water, conduit.....	6	821	787	34	6	301	208
General contractors.....	187	71, 905	71, 251	654	22, 195	14, 227	17, 230	Dredging, river, harbor, etc.....	5	8, 057	7, 574	483	483	1, 897	559
Building.....	121	30, 520	30, 500	20	10, 439	6, 231	8, 897	Railroad, bridge, and culvert.....	4	5, 812	5, 812		334	1, 195	1, 765
Building not specialized.....	83	31, 314	31, 294	20	14, 427	5, 415	7, 410	Other classes ³	6	660	633	27	2	227	134
Commercial building only.....	5	4, 338	4, 338		3, 446	346	372	Subcontractors.....	167	28, 366	3, 711	24, 656	694	7, 777	13, 946
Residential building only.....	33	3, 868	3, 868		1, 506	470	1, 115	Electrical.....	19	1, 080	524	1, 456	1	627	884
Highway.....	27	6, 654	6, 594	60	274	1, 496	3, 030	Elevator construction.....	4	2, 124	79	2, 045		443	1, 200
Street paving.....	14	3, 707	3, 677	30	3	1, 025	1, 259	Heating and plumbing.....	56	9, 000	1, 971	7, 090	241	2, 223	4, 945
Sewer, gas, water, conduit.....	7	913	870	34	6	344	282	Heating and piping ⁴	21	5, 693	1, 084	4, 509	25	1, 417	3, 075
Dredging, river, harbor, etc.....	5	8, 057	7, 574	483	483	1, 897	559	Plumbing.....	24	2, 432	373	2, 059	68	609	1, 352
Railroad, bridge, and culvert.....	4	12, 342	12, 342		1, 988	2, 916	3, 071	Plumbing and heating combined.....	11	1, 030	514	522	148	197	518
Other classes ³	7	712	685	27	2	319	134	Masonry.....	13	2, 534	33	2, 501	100	1, 030	1, 019
Subcontractors.....	199	30, 246	3, 873	26, 373	697	8, 252	14, 888	Painting and decorating.....	13	840	106	734	4	452	198
Concrete.....	3	141	30	111	3	49	40	Plastering and lathing.....	0	640	144	496	2	334	130
Electrical.....	21	2, 054	526	1, 528	1	642	925	Roofing and sheet-metal work.....	20	2, 243	152	2, 092	42	615	987
Elevator construction.....	4	2, 124	80	2, 044		443	1, 260	Roofing.....	13	1, 514	114	1, 400	15	421	660
Heating and plumbing.....	75	10, 135	2, 102	8, 033	241	2, 433	5, 591	Sheet-metal work.....	7	730	38	692	27	194	307
Heating and piping ⁴	27	5, 934	1, 084	4, 851	25	1, 479	3, 236	Steel erection.....	3	895		395	9	111	165
Plumbing.....	31	2, 812	420	2, 392	68	602	1, 565	Stone work and concreting.....	8	994	329	666	69	375	276
Plumbing and heating combined.....	17	1, 388	598	790	148	272	730	Marble and tiling.....	10	1, 641	32	1, 609	90	447	84
Masonry.....	17	2, 834	32	2, 802	100	1, 147	1, 175	Excavating.....	4	1, 004	40	964	123	358	6
Painting and decorating.....	13	840	106	734	4	452	198	Metal work, n. e. s.....	5	4, 332	216	4, 116	13	613	3, 003
Plastering and lathing.....	7	667	144	523	2	346	138	Other classes ⁵	6	670	85	494		149	248
Roofing and sheet-metal work.....	23	2, 386	169	2, 218	42	660	1, 031	<i>Size of business groups</i>							
Roofing.....	15	1, 574	114	1, 460	15	438	692	General contractors ⁶	131	59, 632	59, 038	594	22, 096	10, 921	12, 087
Sheet-metal work.....	8	813	55	758	27	223	339	\$25,000 to \$49,999.....	10	599	579	20	136	113	198
Steel erection.....	3	395		395	9	111	165	\$50,000 to \$99,999.....	36	2, 470	2, 443	27	705	633	644
Stone work and concreting.....	6	879	314	565	69	330	242	\$100,000 to \$199,999.....	32	4, 337	4, 273	64	1, 018	917	1, 345
Marble and tiling.....	11	1, 673	32	1, 641	90	451	865	\$200,000 to \$499,999.....	24	7, 551	7, 551		3, 156	1, 285	1, 823
Excavating.....	5	1, 206	40	1, 166	123	416	6	\$500,000 to \$999,999.....	13	8, 460	8, 460		2, 953	1, 673	1, 961
Metal work, n. e. s.....	5	4, 332	215	4, 117	13	613	3, 003	\$1,000,000 and over.....	10	36, 214	35, 731	483	14, 128	6, 500	6, 117
Other classes ⁵	6	579	85	494		149	248	Building contractors ⁶	90	39, 636	39, 616	20	21, 101	6, 059	7, 815
<i>Size of business groups</i>								\$25,000 to \$49,999.....	11	410	390	20	120	70	143
General contractors ⁶	208	77, 830	77, 176	654	25, 348	15, 242	18, 502	\$50,000 to \$99,999.....	28	1, 880	1, 880		703	281	511
\$25,000 to \$49,999.....	40	1, 498	1, 438	30	285	330	523	\$100,000 to \$199,999.....	20	2, 625	2, 625		982	447	689
\$50,000 to \$99,999.....	66	3, 957	3, 930	27	1, 938	1, 390	2, 204	\$200,000 to \$499,999.....	15	4, 835	4, 835		2, 757	648	879
\$100,000 to \$199,999.....	49	6, 690	6, 476	114	1, 386	2, 020	3, 005	\$500,000 to \$999,999.....	9	5, 695	5, 695		2, 953	669	1, 071
\$200,000 to \$499,999.....	34	10, 345	10, 345		3, 354	2, 161	3, 192	\$1,000,000 and over.....	7	24, 185	24, 185		13, 586	3, 938	4, 621
\$500,000 to \$999,999.....	17	11, 073	11, 073		3, 354	2, 161	3, 192	Subcontractors.....	167	28, 366	3, 711	24, 656	694	7, 777	13, 946
\$1,000,000 and over.....	12	44, 397	43, 914	483	15, 782	8, 456	8, 398	\$25,000 to \$49,999.....	50	1, 792	494	1, 323	21	570	1, 088
Building contractors ⁶	142	45, 444	45, 424	20	22, 652	7, 246	10, 168	\$50,000 to \$99,999.....	56	4, 065	988	3, 077	20	1, 457	1, 603
\$25,000 to \$49,999.....	81	1, 136	1, 116	20	269	243	411	\$100,000 to \$199,999.....	34	4, 748	1, 176	3, 572	80	1, 214	2, 321
\$50,000 to \$99,999.....	43	2, 899	2, 899		1, 034	490	855	\$200,000 to \$499,999.....	16	4, 440	1, 043	3, 397	312	1, 301	1, 672
\$100,000 to \$199,999.....	30	3, 932	3, 932		1, 320	649	1, 252	\$500,000 to \$999,999.....	7	4, 606	40	4, 566	201	1, 332	2, 042
\$200,000 to \$499,999.....	20	6, 238	6, 238		3, 029	983	1, 567	\$1,000,000 and over.....	4	8, 718	8, 718		1, 723	5, 620	
\$500,000 to \$999,999.....	11	7, 055	7, 055		3, 354	957	1, 563	<i>Footnotes</i>							
\$1,000,000 and over.....	7	24, 186	24, 186		13, 586	3, 938	4, 521	¹ Includes Carroll, Garrett, Harford, Kent, Queen Annes, St. Marys, Somerset, and Worcester, for which data can not be shown without revealing individual operations.							
Subcontractors.....	199	30, 246	3, 873	26, 373	697	8, 252	14, 888	² From areas other than those listed, no reports were received from establishments, which handled as much as \$25,000 business during 1929.							
\$25,000 to \$49,999.....	67	2, 377	525	1, 852	24	718	992	³ Figures are not included in county total.							
\$50,000 to \$99,999.....	67	4, 763	1, 091	3, 672	20	1, 681	1, 988	⁴ Includes grading; waterworks; and foundation.							
								⁵ Includes pipe covering; and automatic temperature control.							
								⁶ Includes carpentering and wood flooring; highway; and flooring, n. e. s.							
								⁷ Includes operative builders.							

CONSTRUCTION—MARYLAND

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
MARYLAND						MARYLAND—Continued							
All construction business.....	407	\$108,075,431	208	\$77,829,769	199	\$30,245,662	All business under subcontract—Continued.						
Distribution not reported.....	29	3,402,444	6	637,094	23	2,765,350	Distributed by class—Contd.						
Distributed by class of ownership.....							Masonry.....	16	\$2,774,281		16	\$2,774,281	
Private.....	378	104,672,987	202	77,102,676	176	27,480,312	Painting and decorating.....	12	733,612		12	733,612	
Quasi public or community.....	341	67,880,827	170	44,611,502	171	23,269,325	Plastering and lathing.....	10	553,630		10	553,630	
Public.....	89	7,739,753	33	5,711,152	56	2,028,601	Roofing and sheet-metal work.....	10	2,347,029		10	2,347,029	
Distribution not reported.....	155	29,052,407	88	26,870,021	67	2,182,386	Roofing.....	10	1,123,222		10	1,123,222	
Distributed by class of public ownership.....	14	1,110,805	9	922,822	5	187,983	Sheet-metal work.....	17			17		
Federal.....	141	27,941,602	70	25,947,199	62	1,994,403	Roofing and sheet metal combined.....	2	1,223,807		2	1,223,807	
State.....	23	3,806,759	11	3,415,256	12	391,503	Steel erection.....	2			2		
County or township.....	61	9,867,299	33	8,867,903	23	499,336	Ornamental iron.....	4	306,169		4	306,169	
Municipal.....	44	1,714,830	27	1,465,903	17	248,867	Stonework.....	6	502,328		6	502,328	
All business under general contract or directly for owners.....	316	81,048,358	207	77,175,769	109	3,872,589	Marble and tiling.....	12	1,644,630		12	1,644,630	
Distribution not reported.....	6	394,552	3	246,635	3	147,917	Wrecking.....	3	42,240		3	42,240	
Distributed by class.....	310	80,653,806	204	76,929,134	106	3,724,672	Excavating.....	13	1,127,011		6	\$146,024	
Building.....	201	48,927,412	147	45,326,967	54	3,600,445	Dam and reservoir.....	1			1		
Distribution not reported.....	8	880,398	5	503,865	3	310,533	Waterworks.....	1	346,598		1	346,598	
Distributed by class.....	193	48,047,014	142	44,703,102	51	3,283,912	Dredging, river, harbor, etc.....	4			4		
Commercial.....	73	12,954,069	59	12,393,525	14	561,144	Metal work, n. e. s.....	1	4,116,854		1	4,116,854	
Educational.....	44	3,098,578	32	3,460,933	12	237,645	Sewer, gas, water, conduit.....	1			1		
Hotel.....	5	695,145	1				Railroad.....	1	148,222		1	148,222	
Hospital and institutional.....	32	3,032,156	22	3,578,959	10	148,342	Miscellaneous, n. e. s.....	1			1		
Manufacturing.....	28	3,672,704	16	3,052,573	12	620,131							
Military and naval.....	4	94,801	3	810,120	1	67,054							
Public: Courts, jails, etc.....	9	782,373	5	2,310,950	11	183,902							
Religious and memorial.....	36	2,563,852	25	14,500,239	36	1,290,322							
Residential.....	150	15,790,611	114	343,379	3	11,878							
Social and recreational.....	13	355,257	10	207,169									
Air transport.....	3	207,169	3	207,169									
Rail and water transportation.....	5	3,141,107	5	3,141,107									
Miscellaneous.....	39	1,118,562	30	955,098	9	163,494							
Water power development.....	3	2,412,185	3	2,412,185									
Highway and street.....	51	10,449,875	49	17,216,602	2	23,765							
Railroad and car line.....	9	6,790,492	7	9,484,302	5	25,204							
Public works and utilities.....	34	9,609,666	29	107,108									
Distribution not reported.....	2	197,168	2	197,168									
Distributed by class.....	32	9,312,398	27	9,287,194	5	25,204							
Bridge, tunnel, etc.....	11	2,667,439	9	(?)	2	(?)							
Central station, light and power plant.....	3	26,043	1	(?)	2	(?)							
Dock, pier, retaining wall, etc.....	5		5										
Flood control, irrigation, and land drainage.....	2	1,258,211	2	1,258,211									
River and harbor improvement.....	3	4,335,084	3	4,335,084									
Refuse disposal plant.....	1		1	687,224									
Sewage disposal and drainage.....	9	687,224	9	687,224									
Water supply.....	5	271,553	4	(?)	1	(?)							
Park, grounds, etc.....	2	66,844	2	66,844									
Miscellaneous.....	4	1,766,699	3	2,480,018	5	75,258							
Air transport work.....	4	797,577	6										
Miscellaneous, n. e. s.....	11		11										
All business under subcontract.....	181	27,027,073	9	654,000	172	26,373,073							
Distribution not reported.....	3	147,114			3	147,114							
Distributed by class.....	178	26,879,959	9	654,000	169	26,225,959							
Carpentering and woodflooring.....	2				2								
Soundproofing.....	1	267,371			1	267,371							
Flooring, n. e. s.....	2				2								
Concreting.....	6	74,746	1		5								
Bridge and culvert.....	1		1	140,643		320,981							
Grading.....	1	386,878	1										
Street paving.....	1		1		1								
Electrical.....	20	2,184,236			20	2,184,236							
Elevator construction.....	3	2,044,746			3	2,044,746							
Heating and plumbing.....	7	129,590		(?)									
Heating and piping.....	43	3,283,295	1	(?)	42	(?)							
Pipe covering.....	3				3								
Automatic temperature control.....	1	245,913			1	245,913							
Plumbing.....	37		1	(?)	36	(?)							
Automatic sprinkler systems.....	1	2,837,893			1	(?)							
Plumbing and heating combined.....	11	762,459			11	762,459							

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—MARYLAND

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		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
BALTIMORE—Continued							BALTIMORE—Continued						
All business under subcontract—	147	\$25,249,872	6	\$594,240	141	\$24,055,032	All business under subcontract—						
Distribution not reported.....	2	106,814			2	106,814	Continued.						
Distributed by class.....	145	25,143,058	6	594,240	139	24,548,818	Distributed by class—Contd.						
Carpentering and woodflooring.....	2				2		Masonry.....	12	\$2,500,733		12	\$2,500,733	
Soundproofing.....	1	267,371			1	267,371	Painting and decorating.....	12	733,012		12	733,012	
Flooring, n. e. s.....	2				2		Plastering and lathing.....	6	487,248		6	487,248	
Concreting.....	2				2	(?)	Roofing and sheet-metal work.....		2,224,609			2,224,609	
Bridge and culvert.....	1			(?)			Roofing.....	16	1,085,618		16	1,085,618	
Grading.....	1	435,350	1	(?)			Sheet-metal work.....	14			14		
Street paving.....	1				1	(?)	Roofing and sheet metal combined.....	1	1,138,991		1	1,138,991	
Electrical.....	18	2,110,508			18	2,110,508	Steel erection.....	4			4		
Elevator construction.....	3	2,044,740			3	2,044,740	Ornamental iron.....	1	396,169		1	396,169	
Heating and plumbing.....		6,253,131		20,135		0,232,996	Stone work.....	5	561,578		5	561,578	
Heating and piping.....	31	2,900,205	1	(?)	30	(?)	Marble and tiling.....	11	1,612,530		11	1,612,530	
Pipe covering.....	3				3		Wrecking.....	3	42,249		3	42,249	
Automatic temperature control.....	1	245,913			1	245,913	Excavating.....	8	865,682	3	\$90,628	5	775,054
Plumbing.....	27			(?)	26	(?)	Dam and reservoir.....	1			1		
Automatic sprinkler systems.....	1	2,553,913			1	(?)	Waterworks.....	1	346,599		1	346,599	
Plumbing and heating combined.....	6	493,100			6	493,100	Dredging, river, harbor, etc.....	1			1		
							Metal work, n. e. s.....	4			4		
							Railroad.....	1	4,260,943		1	4,260,943	
							Miscellaneous, n. e. s.....	1			1		

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

CONSTRUCTION—MARYLAND

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
MARYLAND	389	\$100,260,283	\$60,477,973	\$70,738,438	\$29,511,845	BALTIMORE	281	\$80,318,342	\$54,364,178	\$60,770,369	\$19,547,973
Operative builders.....	20	5,787,011	5,070,661	5,787,011		Operative builders.....	10	5,253,228	5,201,828	5,253,228	
General contractors.....	185	71,190,620	37,768,365	46,061,707	25,128,932	General contractors.....	112	53,526,500	33,177,353	38,000,631	15,465,929
Building.....	120	30,344,031	29,310,049	32,043,665	6,400,566	Building.....	72	34,070,505	25,172,303	27,957,858	6,113,147
Building not specialized.....	82	31,138,009	21,311,184	24,752,703	6,385,966	Building not specialized.....	47	20,637,200	17,006,058	20,539,113	6,068,147
Commercial building only.....	5	4,338,421	4,338,421	4,338,421		Commercial building only.....	4	4,302,072	4,302,072	4,302,072	
Residential building only.....	33	3,867,541	3,660,441	3,852,541	15,000	Residential building only.....	21	3,131,173	2,964,173	3,116,173	15,000
Highway.....	27	6,654,143	287,903	3,694,700	2,959,383	Highway.....	10	1,424,010	160,395	1,404,981	19,035
Street paving.....	13	3,167,559	2,489,109	2,803,146	304,413	Street paving.....	9	2,781,244	2,254,700	2,410,831	304,413
Sewer, gas, water, conduit.....	7	912,689	634,613	735,298	177,391	Sewer, gas, water, conduit.....	6	821,888	643,312	643,997	177,391
Dredging, river, harbor, etc.....	5	8,057,421	2,235,206	2,474,417	5,583,004	Dredging, river, harbor, etc.....	6	8,057,421	2,235,206	2,474,417	5,583,004
Railroad, bridge, and culvert.....	6	12,342,087	2,450,456	3,010,506	9,331,491	Railroad, bridge, and culvert.....	4	5,812,972	2,450,456	2,802,076	3,009,990
Other classes ¹	7	712,100	360,972	399,828	312,284	Other classes ¹	6	559,912	360,972	360,972	193,940
Subcontractors.....	184	23,272,633	17,039,007	18,889,720	4,382,913	Subcontractors.....	152	21,538,554	15,984,997	17,456,510	4,082,044
Concreting.....	3	141,425	105,178	137,591	8,334	Concreting.....	17	1,267,466	1,139,384	1,259,136	8,331
Electrical.....	19	1,341,194	1,200,012	1,332,863	8,331	Electrical.....	4	2,124,253	734,687	1,302,574	1,302,574
Elevator construction.....	4	2,124,253	734,687	761,076	1,362,574	Elevator construction.....	4	2,124,253	734,687	761,076	1,362,574
Heating and plumbing.....	71	9,570,243	7,001,997	7,614,527	1,955,716	Heating and plumbing.....	52	8,495,713	6,150,320	6,580,348	1,915,365
Heating and piping ²	25	5,656,251	3,681,300	3,905,386	1,750,865	Heating and piping ²	19	5,314,470	3,355,300	3,676,006	1,737,865
Plumbing.....	30	2,668,425	2,194,479	2,463,574	204,351	Plumbing.....	23	2,288,035	1,908,818	2,110,636	177,500
Plumbing and heating combined.....	16	1,245,567	1,126,218	1,245,567		Plumbing and heating combined.....	10	893,208	886,218	893,208	
Masonry.....	16	2,080,304	2,175,888	2,422,416	266,888	Masonry.....	13	2,533,095	2,138,958	2,293,807	239,888
Painting and decorating.....	13	839,946	712,108	766,109	43,837	Painting and decorating.....	13	839,946	712,108	796,106	43,837
Plastering and lathing.....	5	231,631	196,131	205,131	26,500	Plastering and lathing.....	4	204,131	168,631	177,631	26,500
Roofing and sheet-metal work.....	22	2,176,361	1,861,652	2,065,574	110,787	Roofing and sheet-metal work.....	18	2,033,210	1,828,152	1,950,074	83,136
Roofing.....	15	1,573,667	1,389,255	1,525,677	47,990	Roofing.....	13	1,513,516	1,363,755	1,485,677	27,830
Sheet-metal work.....	7	602,694	472,397	539,897	62,797	Sheet-metal work.....	6	519,694	464,397	464,397	55,297
Steel erection.....	3	394,880	364,933	394,574	306	Steel erection.....	3	394,880	364,933	394,574	306
Stone work.....	5	849,888	572,869	688,574	259,608	Stone work and concreting.....	7	965,285	672,850	705,677	259,608
Marble and tiling.....	11	1,673,371	1,565,223	1,673,371		Marble and tiling.....	10	1,641,871	1,533,223	1,641,871	
Excavating.....	3	370,007	68,574	168,574	202,033	Metal work, n. e. s.....	3	291,200	137,003	240,328	50,932
Metal work, n. e. s.....	3	291,200	137,603	240,328	50,932	Other classes ¹	8	747,344	404,126	655,777	91,567
Other classes ²	6	578,770	335,552	487,203	91,567						

¹ Includes grading, waterworks, and foundation.
² Includes pipe covering, and automatic temperature control.

³ Includes carpentering and wood flooring, highway, and flooring, n. e. s.
⁴ Includes carpentering and wood flooring, excavating, highway, and flooring, 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
MARYLAND				BALTIMORE			
Total distributed by State ¹	\$29,511,845	\$25,128,982	\$4,382,913	Total distributed by State ²	\$19,547,973	\$15,466,929	\$4,082,044
Connecticut.....	35,725		35,725	Connecticut.....	35,725		35,725
Delaware.....	810,349	721,733	88,616	Delaware.....	169,866	134,035	32,831
District of Columbia.....	5,872,252	4,269,572	1,602,680	District of Columbia.....	5,722,651	4,147,322	1,675,329
Florida.....	184,912	175,912	9,000	Florida.....	184,912	175,912	9,000
Illinois.....	48,010		48,010	Illinois.....	48,010		48,010
Indiana.....	61,530		61,530	Indiana.....	61,530		61,530
Kentucky.....	877,154	887,154		Michigan.....	10,760		10,760
Michigan.....	10,760		10,760	Missouri.....	33,041	33,041	
Missouri.....	33,041	33,041		New Jersey.....	269,757	37,251	232,506
New Jersey.....	269,757	37,251	232,506	New York.....	1,761,475	1,624,487	136,988
New York.....	1,761,475	1,624,487	136,988	North Carolina.....	567,522		567,522
North Carolina.....	1,319,877	752,355	567,522	Ohio.....	238,001	224,613	13,488
Ohio.....	376,178	362,688	13,488	Pennsylvania.....	2,707,506	1,862,652	845,454
Pennsylvania.....	8,957,105	7,902,618	1,054,487	South Carolina.....	2,583,884	2,583,884	
South Carolina.....	2,583,884	2,583,884		Tennessee.....	1,800,000	1,800,000	
Tennessee.....	2,099,104	2,099,104		Virginia.....	688,361	200,000	488,361
Virginia.....	831,350	341,789	489,561	West Virginia.....	200,235	200,235	
West Virginia.....	894,147	894,147		Other States, not specified.....	2,467,687	2,333,607	134,080
Other States, not specified.....	2,475,187	2,333,607	141,580				

Number of establishments reporting:
¹ All classes, 70—General contractors, 36; subcontractors, 34.

² All classes, 50—General contractors, 24; subcontractors, 26.

CONSTRUCTION—MARYLAND

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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	
MARYLAND	393	196	155	\$607,020	1,668	\$4,630,159	952	\$2,836,028	706	\$1,794,131	1,511	1,297	214	147
Operative builders	19	1	1	4,800	100	222,459	77	167,407	23	64,992	96	79	17	4
General contractors	179	124	50	212,280	871	2,707,892	433	1,627,140	438	1,080,743	808	728	80	63
Building	116	79	33	117,028	395	1,194,346	242	835,124	153	359,222	366	318	48	29
Building not specialized	80	61	26	90,108	318	967,147	196	676,103	122	282,044	296	254	42	22
Commercial building only	5	1	2	14,400	26	74,233	16	49,071	10	25,162	21	21	5	5
Residential building only	31	17	5	12,620	51	162,966	30	110,950	21	52,016	40	43	6	2
Highway	26	27	6	29,992	133	203,061	40	77,732	93	185,329	115	107	8	18
Street paving	13	7	3	7,800	82	264,040	32	154,749	50	109,891	67	64	3	15
Sewer, gas, water, conduit	7	3	2	42,600	16	42,255	8	23,375	8	18,880	16	14	2	1
Dredging, river, and harbor	4	1	—	—	72	325,650	46	248,850	26	76,800	71	70	1	1
Railroad, bridge, and culvert	6	3	—	—	150	567,279	56	266,458	94	300,821	150	133	17	—
Other classes ¹	7	4	6	14,860	23	50,661	9	20,861	14	20,800	23	22	1	—
Subcontractors	195	71	104	389,940	687	1,600,808	442	1,051,412	245	648,396	607	490	117	80
Concrete	3	3	2	6,082	4	4,831	2	2,688	2	2,143	4	3	1	—
Electrical	20	6	9	58,348	102	192,024	51	99,706	51	92,318	92	69	23	10
Elevator construction	4	—	—	—	20	80,482	18	51,067	11	38,415	29	24	5	—
Heating and plumbing	73	27	42	137,078	214	494,267	178	391,631	36	103,230	172	127	45	42
Heating and piping ²	26	10	9	42,311	113	267,459	96	213,426	17	54,038	84	66	18	29
Plumbing	31	13	18	52,091	73	162,832	60	127,647	13	35,186	68	48	20	5
Plumbing and heating combined	16	4	15	42,676	28	68,976	22	49,958	6	14,058	20	13	7	8
Masonry	17	10	9	33,759	45	118,451	25	65,446	20	63,005	44	38	6	1
Painting and decorating	13	3	7	20,560	41	74,250	26	42,081	15	32,169	41	30	11	—
Plastering and lathing	7	2	5	17,050	16	52,081	12	37,681	4	14,400	16	14	2	—
Roofing and sheet-metal work	22	4	12	35,680	88	227,201	73	180,039	15	47,162	72	56	16	16
Roofing	14	3	6	16,700	47	129,850	36	95,036	11	34,814	47	39	8	—
Sheet-metal work	8	1	6	18,980	41	97,351	37	85,003	4	12,348	25	17	8	16
Steel erection	3	—	2	10,400	14	33,200	11	25,000	3	8,200	14	13	1	—
Stone work	6	4	4	36,826	35	109,599	9	48,874	26	60,725	35	34	1	—
Marble and tiling	11	6	2	6,500	18	78,773	11	48,122	7	30,651	18	14	4	—
Excavating	5	1	8	21,123	33	66,114	7	15,340	26	50,774	29	29	—	—
Metal work, n. e. s.	5	2	—	—	36	122,861	10	24,447	26	98,414	34	33	1	2
Other classes ³	6	3	2	6,529	12	36,674	9	19,890	3	16,784	7	6	1	5
BALTIMORE	287	102	120	\$65,768	1,371	\$3,985,749	810	\$2,509,573	561	\$1,477,171	1,263	1,068	195	118
Operative builders	15	1	—	—	91	201,849	72	150,567	19	51,282	87	71	16	4
General contractors	108	49	30	104,162	639	2,164,205	324	1,357,129	315	807,070	598	541	57	41
Building	70	30	23	88,510	326	1,044,524	205	748,061	121	296,463	308	264	44	18
Building not specialized	47	25	10	61,590	256	816,661	160	588,100	96	228,561	245	206	39	11
Commercial building only	4	—	2	14,400	26	74,233	16	49,071	10	25,162	21	21	5	5
Residential building only	19	5	5	12,620	44	153,630	29	110,890	15	42,740	42	37	5	2
Highway	9	5	5	18,492	34	56,729	9	14,070	25	42,069	27	27	7	7
Street paving	9	6	3	7,800	69	222,220	25	126,329	44	95,891	54	52	2	15
Sewer, gas, water, conduit	6	2	2	42,600	14	39,480	7	23,100	7	16,380	14	12	2	—
Dredging, river, and harbor	4	1	—	—	72	325,650	46	248,850	26	76,800	71	70	1	1
Railroad, bridge, and culvert	4	2	—	—	101	424,941	23	175,258	78	249,683	101	94	7	—
Other classes ¹	6	3	3	6,760	23	50,661	9	20,861	14	20,800	23	22	1	—
Subcontractors	164	52	84	341,606	641	1,619,695	414	1,000,892	227	618,808	568	456	112	73
Electrical	18	6	5	44,476	101	191,244	50	98,926	51	92,318	92	69	23	9
Elevator construction	4	—	—	—	29	89,482	18	51,067	11	38,415	29	24	5	—
Heating and plumbing	55	15	34	123,178	193	458,357	160	362,631	33	95,726	156	115	41	37
Heating and piping ²	20	5	4	33,611	109	262,185	92	208,152	17	64,038	82	65	17	27
Plumbing	24	8	16	49,491	64	149,202	53	119,927	11	29,275	59	42	17	5
Plumbing and heating combined	11	2	14	40,076	20	46,971	15	34,552	5	12,418	15	8	7	5
Masonry	13	6	7	28,759	43	115,351	24	64,846	19	60,505	43	37	6	—
Painting and decorating	13	3	7	20,560	41	74,250	26	42,081	15	32,169	41	30	11	—
Plastering and lathing	6	1	5	17,050	16	52,081	12	37,681	4	14,400	16	14	2	—
Roofing and sheet-metal work	19	4	10	31,000	79	203,941	65	159,299	14	44,642	63	48	15	16
Roofing	12	3	4	12,620	46	129,460	35	94,046	11	34,814	46	39	7	—
Sheet-metal work	7	1	6	18,980	33	74,481	30	64,653	3	9,828	17	9	8	16
Steel erection	3	—	2	10,400	14	33,200	11	25,000	3	8,200	14	13	1	—
Stone work and concrete	8	7	4	36,826	39	114,430	11	51,562	28	62,868	39	37	2	—
Marble and tiling	10	5	2	6,500	18	78,773	11	48,122	7	30,651	18	14	4	—
Excavating	4	—	6	15,728	20	49,051	7	15,340	13	33,711	16	16	—	—
Metal work, n. e. s.	5	2	—	—	36	122,861	10	24,447	26	98,414	34	33	1	2
Other classes ³	6	3	2	6,529	12	36,674	9	19,890	3	16,784	7	6	1	5

¹ Includes grading, waterworks, and foundation.
² Includes pipe covering; and automatic temperature control.
³ Includes carpentering and wood flooring, highway, and flooring, n. e. s.

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

CLASSIFICATION OF ESTABLISHMENTS AND PERCENTAGE OF EQUIPMENT OWNED	Establishments reporting	EQUIPMENT		Value of construction business reported	Wages paid	CLASSIFICATION OF ESTABLISHMENTS AND PERCENTAGE OF EQUIPMENT OWNED	Establishments reporting	EQUIPMENT		Value of construction business reported	Wages paid
		Purchased during the year	Inventory value at end of year					Purchased during the year	Inventory value at end of year		
MARYLAND	366	\$2,878,814	\$7,340,632	\$87,632,686	\$19,240,231	BALTIMORE	266	\$1,972,868	\$5,738,127	\$69,780,029	\$15,015,178
<i>Classification of establishments</i>						<i>Classification of establishments</i>					
Operative builders.....	17	6,207	34,242	4,737,087	921,280	Operative builders.....	13	4,027	20,869	4,203,904	778,044
General contractors.....	163	2,508,289	6,315,094	59,180,707	11,352,872	General contractors.....	101	1,613,713	4,761,322	43,063,220	7,585,113
Building.....	102	95,585	444,078	20,182,242	4,256,942	Building.....	63	69,412	332,768	24,672,107	3,379,666
Building not specialized.....	71	69,731	271,523	21,349,388	3,506,444	Building not specialized.....	42	47,963	169,368	17,601,070	2,769,266
Commercial building only.....	5	10,665	138,014	4,388,421	340,003	Commercial building only.....	4	10,665	138,014	4,302,972	340,164
Residential building only.....	26	15,189	34,541	3,494,433	404,435	Residential building only.....	17	10,784	25,386	2,868,665	280,235
Highway.....	26	520,041	946,338	6,023,739	1,343,917	Highway.....	10	91,390	382,421	1,424,016	331,891
Street paving.....	13	215,597	508,106	3,167,659	794,658	Street paving.....	9	177,797	421,520	2,781,244	680,236
Sewer, gas, water, conduit.....	7	61,146	215,690	912,689	344,012	Sewer, gas, water, conduit.....	6	61,146	187,690	821,888	300,611
Dredging, river, harbor, etc.....	4	982,071	2,822,024	7,231,421	1,548,635	Dredging, river, harbor, etc.....	4	982,071	2,822,024	7,231,421	1,548,635
Railroad, bridge, and culvert.....	5	587,845	1,211,740	12,103,145	2,837,405	Railroad, bridge, and culvert.....	3	186,493	477,791	5,673,132	1,116,672
Other classes ¹	6	45,404	167,118	559,912	227,403	Other classes ¹	6	45,404	167,118	559,912	227,403
Subcontractors.....	175	365,228	991,296	23,714,292	6,966,079	Subcontractors.....	152	365,228	965,936	22,512,905	6,652,021
Concrete.....	3	8,120	15,836	141,425	48,559	Electrical.....	18	5,259	28,109	1,420,441	487,080
Electrical.....	19	6,009	29,582	1,455,169	494,682	Elevator construction.....	4	9,646	39,859	2,124,253	442,956
Elevator construction.....	4	9,646	39,859	2,124,253	442,956	Heating and plumbing.....	52	28,047	170,403	8,494,145	2,095,935
Heating and plumbing.....	65	30,737	134,962	6,283,616	2,259,414	Heating and plumbing ²	19	14,678	62,580	5,132,879	1,318,899
Heating and piping.....	24	15,938	67,680	5,434,800	1,371,598	Plumbing.....	23	9,717	69,638	2,370,982	593,445
Plumbing.....	29	10,707	79,682	2,724,472	671,971	Plumbing and heating combined.....	10	3,652	44,185	991,184	184,411
Plumbing and heating combined.....	12	3,652	47,600	1,124,184	215,845	Masonry.....	13	10,296	15,844	2,533,695	1,029,889
Masonry.....	16	20,096	19,336	2,689,304	1,107,924	Painting and decorating.....	12	10,594	38,097	703,946	421,709
Painting and decorating.....	12	10,994	33,097	793,946	421,799	Plastering and lathing.....	4	400	2,084	255,202	137,658
Plastering and lathing.....	5	1,100	5,634	282,702	149,658	Roofing and sheet-metal work.....	17	10,258	80,584	2,090,002	557,817
Roofing and sheet-metal work.....	20	12,514	37,409	2,239,153	608,468	Roofing.....	11	4,832	38,327	1,397,288	371,974
Roofing.....	13	6,587	42,862	1,457,439	388,726	Sheet-metal work.....	6	5,426	42,257	688,714	185,843
Sheet-metal work.....	7	5,927	44,547	781,714	214,742	Steel erection.....	3	1,688	30,138	394,860	111,333
Steel erection.....	3	1,038	30,138	394,860	111,333	Stonework and concreting.....	8	60,964	113,740	994,488	375,160
Stonework and concreting.....	3	55,648	99,012	878,541	329,781	Marble and tiling.....	0	1,500	19,830	1,681,371	426,074
Marble and tiling.....	10	1,500	19,830	1,413,371	430,885	Excavating.....	4	170,955	356,520	1,003,742	358,248
Excavating.....	4	170,955	356,520	1,003,742	358,248	Metal work, n. e. s.....	3	1,398	6,329	201,260	83,293
Metal work, n. e. s.....	3	1,398	6,329	201,260	83,293	Other classes ³	5	25,513	52,852	523,530	124,179
Other classes ³	5	25,513	62,852	523,530	124,179						
<i>Percentage of equipment owned</i>						<i>Percentage of equipment owned</i>					
General contractors ⁴	180	2,514,586	6,349,336	63,018,394	12,274,152	General contractors ⁴	114	1,617,740	4,782,191	47,267,124	8,363,167
None.....	15	-----	-----	1,893,207	138,055	None.....	10	-----	-----	1,538,752	85,416
1% to 25%.....	2	-----	1,200	6,349	15,242	25% to 50%.....	1	15,062	14,920	224,442	92,797
25% to 50%.....	2	18,062	23,920	323,742	110,585	51% to 75%.....	4	5,807	65,793	905,161	144,074
51% to 75%.....	6	9,480	79,568	1,184,830	185,946	75% to 99%.....	6	156,042	271,961	4,199,889	1,023,645
75% to 99%.....	12	193,853	380,626	4,893,423	1,241,587	100%.....	91	1,433,835	4,416,581	37,274,924	6,510,841
100%.....	139	2,237,825	5,634,777	52,185,064	9,991,020	Not reported.....	2	0,934	12,936	3,034,456	506,484
Not reported.....	4	55,360	229,245	3,370,779	691,717						
Subcontractors.....	175	365,228	991,296	23,714,292	6,966,079	Subcontractors.....	152	355,228	965,936	22,512,905	6,652,021
None.....	9	-----	-----	1,025,110	320,023	None.....	7	-----	-----	945,110	304,378
1% to 25%.....	2	878	8,502	140,609	90,635	1% to 25%.....	2	878	8,502	140,609	90,635
25% to 50%.....	2	22,019	27,900	222,645	114,193	26% to 50%.....	2	22,019	27,900	222,645	114,193
51% to 75%.....	2	48,279	8,593	504,973	201,400	51% to 75%.....	2	48,279	8,593	504,973	201,400
75% to 99%.....	7	175,934	304,928	2,375,035	855,400	76% to 99%.....	7	175,934	304,928	2,375,035	855,400
100%.....	151	117,518	636,304	18,995,421	5,327,427	100%.....	130	107,518	600,944	17,874,034	5,029,014
Not reported.....	2	-----	5,069	450,499	57,001	Not reported.....	2	-----	5,069	450,499	57,001

¹ Includes grading, waterworks, and foundation.

² Includes pipe covering, and automatic temperature control.

³ Includes carpentering and woodflooring, highway, and flooring, n. e. s.

⁴ Includes operative builders.

CONSTRUCTION—MARYLAND

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

CLASSIFICATION OF ESTABLISHMENTS AND LENGTH OF WORKING WEEK	Estab-lish-ments reporting	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY												Wages paid during year
		January	February	March	April	May	June	July	August	September	October	November	December	
MARYLAND.....	343	8,787	9,188	11,311	12,970	14,697	15,910	17,029	18,610	17,693	15,468	14,490	12,726	\$20,834,193
<i>Classification of establishments</i>														
Operative builders.....	12	399	432	534	636	611	615	659	700	672	656	571	488	897,547
General contractors.....	168	5,466	5,777	7,155	8,333	9,444	10,678	11,474	12,256	11,818	9,905	9,240	7,736	12,427,736
Building.....	107	2,616	2,609	3,291	3,581	4,028	4,382	4,985	5,098	4,714	3,768	3,690	3,741	5,699,800
Building not specialized.....	74	2,439	2,462	3,030	3,268	3,662	3,939	4,501	4,612	4,212	3,299	3,304	3,341	5,223,082
Commercial building only.....	4	25	20	15	5	33	44	72	57	99	54	42	38	51,158
Residential building only.....	29	152	187	246	308	333	399	412	429	403	415	353	362	425,560
Highway.....	21	250	261	301	698	935	1,388	1,567	1,724	1,697	1,579	1,195	648	1,055,419
Grading.....	4	171	178	213	188	218	235	227	242	228	229	272	190	213,406
Street paving.....	11	157	174	514	688	865	865	996	1,010	882	750	685	554	761,536
Sewer, gas, water, conduit.....	0	213	221	161	175	198	276	229	244	189	199	177	182	251,215
Dredging, river, harbor, etc.....	3	1,110	1,174	1,380	1,390	1,368	1,474	1,302	1,393	1,336	1,243	1,194	1,169	1,630,635
Railroad, bridge, and culvert.....	6	949	1,100	1,295	1,613	1,832	2,058	2,078	2,545	2,772	2,137	2,018	1,352	2,915,635
Subcontractors.....	173	2,922	2,979	3,622	4,001	4,642	4,617	4,896	5,054	5,193	4,907	4,679	4,502	7,508,910
Concreting.....	3	25	20	39	39	47	41	57	60	49	33	28	34	48,559
Electrical.....	18	183	180	205	225	262	297	310	352	356	369	304	280	597,427
Elevator construction.....	3	142	141	149	143	182	190	230	248	237	205	199	224	413,982
Heating and plumbing.....	64	920	950	984	1,135	1,261	1,231	1,367	1,330	1,303	1,222	1,264	1,273	2,219,430
Heating and piping ¹	24	503	540	569	682	778	728	802	737	694	677	759	781	1,417,002
Plumbing.....	26	281	290	294	326	351	351	422	456	455	390	338	328	606,512
Plumbing and heating combined.....	14	142	120	121	127	132	152	143	137	154	155	167	164	199,916
Masonry.....	15	346	454	562	602	658	682	654	640	580	595	607	673	1,071,854
Painting and decorating.....	13	128	122	160	245	256	268	276	385	422	377	360	291	452,988
Plastering and lathing.....	6	87	73	118	89	100	250	211	240	204	167	90	90	307,084
Roofing and sheet-metal work.....	10	245	212	271	254	341	305	270	301	324	340	332	323	425,532
Roofing.....	13	163	133	177	157	223	186	167	182	188	200	192	174	234,630
Sheet-metal work.....	6	82	79	94	97	118	119	103	119	130	134	140	149	190,902
Stone work.....	5	167	161	260	261	240	252	199	199	189	194	232	216	312,784
Marble and tiling.....	10	112	174	149	192	211	252	200	238	196	155	120	116	414,332
Excavating.....	5	263	220	409	513	642	448	567	1,181	848	839	766	618	415,827
Metal work, n. c. s. ²	6	218	220	252	228	232	233	206	334	343	297	271	277	681,121
Other classes ³	6	80	43	55	75	150	168	151	146	112	114	106	87	148,560
<i>Length of working week</i>														
General contractors ⁴	170	5,805	6,209	7,689	8,969	10,055	11,293	12,133	12,956	12,490	10,561	9,811	8,224	13,325,283
40-hour, 6-day week.....	16	799	696	915	950	1,238	1,292	1,468	1,521	1,504	889	947	1,160	1,628,220
45-hour, 6-day week.....	3	18	28	33	33	34	28	37	30	24	35	28	17	28,834
All other 6-day week.....	3	5	5	5	15	21	42	58	106	94	145	109	137	89,950
44-hour, 5½-day week.....	65	1,137	1,130	1,410	1,633	1,484	1,697	1,779	1,870	1,798	1,917	1,723	1,478	2,220,129
40½-hour, 5½-day week.....	5	36	49	149	172	203	181	163	165	147	174	143	131	155,917
55-hour, 5½-day week.....	7	119	121	75	163	198	367	310	260	199	224	256	187	189,623
All other 5½-day week.....	25	397	372	622	785	857	907	1,010	1,040	939	920	968	851	940,966
48-hour, 6-day week.....	7	1,168	1,237	1,413	1,436	1,421	1,543	1,510	1,491	1,463	1,344	1,255	1,199	1,627,212
54-hour, 6-day week.....	9	155	152	208	200	219	214	281	244	225	163	130	94	244,625
60-hour, 6-day week.....	13	1,024	1,188	1,400	1,861	2,246	2,632	2,680	3,211	3,392	2,597	2,275	1,607	3,365,365
All other 6-day week.....	21	400	482	579	771	930	1,174	1,367	1,565	1,454	1,290	1,114	629	1,953,113
All other not designated.....	2	107	105	110	107	104	111	108	113	109	117	96	97	101,066
Not reported.....	4	500	638	770	843	1,100	1,205	1,378	1,360	1,142	746	767	737	1,604,263
Subcontractors.....	173	2,922	2,979	3,622	4,001	4,642	4,617	4,896	5,054	5,193	4,907	4,679	4,502	7,508,910
40-hour, 6-day week.....	70	1,577	1,691	1,992	2,038	2,291	2,484	2,638	2,787	2,720	2,506	2,442	2,536	4,756,125
50-hour, 6-day week.....	1	8	8	8	8	10	10	10	10	10	10	8	8	9,550
All other 6-day week.....	1	12	15	25	35	40	40	40	40	40	40	40	36	36,000
44-hour, 5½-day week.....	64	745	759	877	1,006	1,225	1,205	1,173	1,141	1,125	1,040	1,009	918	1,735,973
40½-hour, 5½-day week.....	7	104	91	101	110	144	150	167	157	145	145	150	131	176,493
55-hour, 5½-day week.....	1	21	-----	5	23	84	96	83	75	43	54	42	33	35,700
All other 5½-day week.....	9	118	116	134	133	145	181	177	180	145	140	121	142	208,561
48-hour, 6-day week.....	7	44	47	48	67	68	52	68	98	94	105	100	80	113,457
54-hour, 6-day week.....	4	22	22	23	24	24	23	36	36	36	37	24	23	45,961
60-hour, 6-day week.....	6	237	202	383	479	574	336	440	1,046	760	770	668	560	314,884
All other 6-day week.....	2	30	24	22	28	35	33	52	77	70	54	39	35	73,526
All other not designated.....	1	4	4	4	5	4	7	7	7	5	6	6	6	3,180
Not reported.....	1	30	24	22	28	35	33	52	77	70	54	39	35	73,526

See footnotes at end of table.

CONSTRUCTION—MARYLAND

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

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	October	Novem-ber	Decem-ber	
BALTIMORE	250	7,286	7,750	9,808	10,786	12,289	12,984	13,689	14,930	13,770	11,908	11,480	10,478	\$16,650,367
<i>Classification of establishments</i>														
Operative builders	9	307	354	427	496	490	490	529	582	559	552	476	394	769,384
General contractors	94	4,257	4,627	5,784	6,518	7,403	8,142	8,551	9,004	8,332	6,764	6,587	5,813	8,745,241
Building	64	1,998	2,085	2,680	2,815	3,343	3,692	3,692	4,264	4,308	3,012	2,841	2,792	4,768,170
Building not specialized	44	1,879	1,950	2,422	2,682	3,109	3,308	3,622	3,975	3,599	2,536	2,643	2,590	4,448,577
Commercial building only	3	25	20	15	5	33	44	72	87	58	20	14	19	45,259
Residential building only	17	94	109	140	178	201	250	250	270	255	285	235	259	274,534
Highway	7	33	64	63	130	107	302	325	408	315	479	407	142	269,590
Grading	3	71	78	103	86	113	128	127	135	125	125	187	105	121,723
Street paving	8	128	162	466	681	800	767	871	881	778	665	622	510	658,015
Sewer, gas, water, conduit	5	178	185	126	155	158	211	164	179	194	184	112	117	207,814
Dredging, river, harbor, etc.	3	1,110	1,174	1,380	1,390	1,308	1,474	1,392	1,393	1,336	1,243	1,194	1,169	1,530,635
Railroad, bridge, and culvert	4	739	888	1,055	1,311	1,449	1,508	1,408	1,700	1,742	1,277	1,273	902	1,194,902
Subcontractors	147	2,702	2,769	3,395	3,772	4,396	4,352	4,609	5,344	4,879	4,590	4,417	4,269	7,135,742
Electrical	18	183	180	205	225	262	297	319	352	336	369	304	280	597,427
Elevator construction	3	142	141	149	143	182	190	239	248	237	205	199	224	413,982
Heating and plumbing	48	700	823	848	1,000	1,120	1,086	1,212	1,173	1,141	1,043	1,104	1,135	2,046,918
Heating and piping ¹	20	468	504	533	645	740	688	760	696	655	638	721	748	1,383,362
Plumbing	19	230	234	232	264	285	293	359	388	377	306	271	270	522,048
Plumbing and heating combined	9	102	85	83	91	95	105	93	89	109	99	112	117	141,503
Masonry	12	314	421	528	560	610	627	592	578	522	540	572	646	993,810
Painting and decorating	18	128	122	160	245	266	268	276	385	422	377	360	291	452,388
Plastering and lathing	5	87	73	110	83	155	240	203	236	201	164	90	90	205,084
Roofing and sheet-metal work	16	215	184	240	223	311	277	241	272	293	309	302	291	379,881
Roofing	11	153	123	166	145	211	175	156	171	177	195	181	163	217,878
Sheet-metal work	5	62	61	74	78	100	102	85	101	116	114	121	128	162,003
Stone work and concreting	7	188	177	304	295	283	280	249	252	233	221	254	244	358,163
Marble and tiling	9	108	170	145	188	207	248	286	234	191	160	115	111	410,121
Excavating	4	249	212	399	501	628	432	545	1,134	708	801	740	593	358,248
Metal work, n. e. s. ²	6	218	220	252	228	232	233	296	334	343	297	271	277	681,121
Other classes ³	6	80	43	55	75	150	168	151	146	112	114	106	87	148,590
<i>Length of working week</i>														
General contractors ⁴	103	4,504	4,981	6,211	7,014	7,893	8,682	9,080	9,586	8,891	7,316	7,063	6,207	9,514,625
40-hour, 5-day week	14	752	659	872	894	1,177	1,224	1,401	1,447	1,440	829	892	1,128	1,575,202
45-hour, 5-day week	3	18	28	33	33	34	28	37	30	24	35	28	17	28,834
All other 5-day week	2	5	5	5	9	14	35	51	99	88	140	104	132	81,950
44-hour, 5½-day week	32	758	799	941	1,123	1,101	1,226	1,362	1,378	1,276	1,226	1,068	876	1,623,345
49½-hour, 5½-day week	5	36	49	149	172	203	181	163	155	147	174	143	131	155,917
55-hour, 5½-day week	3	60	81	42	69	67	128	86	122	61	62	95	94	87,481
All other 5½-day week	17	198	188	439	582	627	621	753	752	660	640	692	553	676,644
48-hour, 6-day week	4	1,144	1,204	1,374	1,387	1,395	1,482	1,445	1,449	1,414	1,297	1,202	1,157	1,574,254
54-hour, 6-day week	2	60	60	60	50	55	41	64	28	27				45,473
60-hour, 6-day week	0	700	940	1,122	1,407	1,616	1,744	1,585	1,841	1,800	1,412	1,300	939	1,371,530
All other 6-day week	11	236	320	404	440	536	719	769	929	768	744	715	441	629,423
All other not designated	1	7	5	5	5	4	4	6	6	6	13	11	12	9,295
Not reported	3	500	634	765	837	1,094	1,199	1,368	1,350	1,130	735	753	727	1,655,293
Subcontractors	147	2,702	2,769	3,395	3,772	4,396	4,352	4,609	5,344	4,879	4,590	4,417	4,269	7,135,742
40-hour, 5-day week	69	1,577	1,688	1,989	2,080	2,288	2,480	2,635	2,784	2,717	2,503	2,440	2,534	4,751,197
All other 5-day week	1	12	15	25	35	40	40	40	40	40	40	40	30	36,000
44-hour, 5½-hour week	53	633	659	757	888	1,093	1,068	1,028	993	976	887	895	819	1,555,483
49½-hour, 5½-day week	6	77	60	74	84	117	124	137	127	113	113	119	103	135,699
55-hour, 5½-day week	1	21		5	23	84	96	83	75	43	54	42	33	35,700
All other 5½-day week	8	109	110	127	127	130	172	167	170	135	130	111	132	197,127
48-hour, 6-day week	5	35	38	39	57	68	42	58	88	83	94	89	70	102,179
54-hour, 6-day week	1	6	6	6	6	6	6	19	19	19	19	7	6	20,490
All other 6-day week	3	216	180	361	456	552	307	412	1,018	733	734	661	532	285,020
All other not designated	1	16	7	12	16	19	17	30	30	20	16	13	10	15,947

¹ Includes pipe covering; and automatic temperature control.
² Includes steel erection.

³ Includes carpentering and wood flooring; highway; and flooring, n. e. s.
⁴ Includes operative builders.

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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.				
MARYLAND	336	\$88,808,524	\$23,918,000	\$19,586,938	\$25,670,806	\$494,156	\$3,760,650	\$422,140	\$258,370	\$348,469	\$220,111	\$695,369	\$7,508,495
Operative builders.....	15	4,905,108	2,768,000	823,311	916,935	4,800	175,280		2,000	123,470		7,528	161,992
General contractors.....	151	60,787,405	20,604,000	11,917,704	13,833,627	108,680	2,074,989	356,522	85,968	166,017	203,657	443,171	6,076,919
Building.....	102	36,274,222	18,289,000	5,782,867	7,069,113	114,528	1,035,347	26,544	34,794	92,914	73,029	198,096	539,883
Building not specialized.....	71	29,198,790	13,859,000	5,085,801	6,733,341	87,608	826,428	18,004	24,834	55,191	71,417	166,404	462,502
Commercial building only.....	3	4,246,514	3,855,000	5,332,227	352,432	14,400	73,033	1,932	3,600	4,644		14,018	37,791
Residential building only.....	28	2,828,909	1,048,000	415,339	883,340	12,520	135,886	6,608	0,360	33,070	1,612	17,614	39,590
Highway.....	17	4,900,644	100,000	1,008,903	2,399,348	26,992	185,780	44,419	2,389	18,500	52,335	22,601	404,323
Street paving.....	13	3,648,160	3,000	1,002,337	1,230,110	7,800	259,640	99,720	3,177	8,974	27,453	21,080	505,888
Sewer, gas, water, conduit.....	7	912,089	6,000	344,012	281,703	42,600	42,255	15,772	1,900	4,130	11,749	21,649	120,782
Dredging, river, harbor, etc.....	5	8,057,421	483,000	1,806,635	558,623		337,650	965	33,395	17,185	16,466	95,117	3,448,078
Railroad.....	3	6,080,510	1,660,000	1,374,826	1,374,826		174,007	157,442	9,663	20,834	21,925	81,034	934,750
Other classes ¹	4	298,860	132,604	22,904		6,760	40,301	11,660	650	3,480	700	3,604	54,220
Subcontractors.....	170	23,135,021	544,000	6,845,923	10,920,244	290,676	1,510,372	65,618	170,312	58,972	16,454	144,670	1,267,574
Concrete.....	3	141,425	3,000	48,550	40,075	6,082	4,831		113	581	54	4,849	4,137
Electrical.....	18	1,793,337	1,000	555,194	781,620	48,376	178,228	500	22,247	7,895	1,367	9,201	129,773
Elevator construction.....	4	2,124,253		442,956	1,260,439		89,482		0,260	1,100	4,675	14,667	69,269
Heating and plumbing.....	65	9,385,344	226,000	2,291,153	5,160,414	133,100	569,042	360	51,652	19,973	6,090	35,639	510,207
Heating and piping ²	24	5,617,851	20,000	1,422,377	3,115,439	42,311	375,744	360	28,910	6,407	4,727	21,877	363,211
Plumbing.....	27	2,534,022	58,000	628,875	1,406,243	52,091	130,922		13,684	7,710	2,102	8,843	90,446
Plumbing and heating combined.....	14	1,233,471	148,000	230,901	630,232	38,698	62,376		9,058	2,856	101	4,819	62,550
Masonry.....	15	2,011,204	100,000	1,071,854	1,035,216	25,259	118,451	8,129	5,768	2,951		23,435	48,147
Painting and decorating.....	11	723,580	2,000	300,799	181,414	12,760	47,289	5,605	50,821	3,203	236	7,768	31,904
Plastering and lathing.....	5	663,969	3,000	255,541	95,055	3,900	33,551		1,595	2,566	76	3,876	16,933
Roofing and sheet-metal work.....	19	2,020,797	30,000	574,025	697,628	20,842	172,961		14,352	5,044		18,740	163,473
Roofing.....	14	1,538,097	15,000	432,720	872,068	14,700	129,850		9,762	4,517		15,705	129,352
Sheet-metal work.....	5	482,180	15,000	141,305	195,560	15,142	43,111		4,600	527		3,035	34,121
Steel erection.....	3	394,830	9,000	111,333	165,000	10,400	33,200	3,178	4,996	3,283		4,888	34,230
Stone work.....	5	713,029	90,000	200,680	171,601		109,599	1,000	1,390	4,245	315	10,344	26,800
Marble and tiling.....	11	1,078,371	90,000	458,855	804,760	6,500	78,773		5,556	6,286		5,032	55,557
Excavating.....	3	412,162		175,803	6,100	7,928	28,051	45,660	2,810	2,742		3,853	83,169
Metal work, n. e. s.....	3	339,803	13,000	74,251	162,657		9,840	1,196	3,184	87		2,890	73,849
Other classes ³	6	328,770		112,890	137,765	6,529	36,674		1,778	1,348		2,498	14,066
BALTIMORE	258	72,116,749	20,953,000	15,676,699	19,689,908	420,876	3,250,287	234,258	227,678	291,990	142,905	464,418	6,035,385
Operative builders.....	13	4,567,228	2,627,000	728,204	816,595		164,629		1,970	119,538		6,103	151,116
General contractors.....	98	45,596,646	17,785,000	8,406,331	8,572,886	161,162	1,612,646	168,040	60,320	120,128	126,854	319,051	4,650,216
Building.....	65	31,952,616	17,153,000	4,026,072	6,234,945	88,510	896,877	24,702	30,431	79,801	65,456	175,827	466,731
Building not specialized.....	43	25,376,129	12,810,000	4,296,610	5,202,586	61,590	697,294	16,327	20,531	45,039	63,856	147,435	395,214
Commercial building only.....	3	4,246,514	3,385,000	332,227	352,432	14,400	73,033	1,932	3,600	4,644		14,018	37,791
Residential building only.....	19	2,330,973	958,000	208,126	679,927	12,520	126,550	6,533	0,360	30,118	1,600	14,374	33,726
Highway.....	8	1,059,030	128,000	231,881	367,000	15,492	49,449	19,487	1,040	10,261	10,972	5,879	107,315
Street paving.....	9	3,261,835	3,000	888,015	1,052,470	7,800	217,220	95,739	2,024	5,968	22,871	17,830	470,603
Sewer, gas, water, conduit.....	9	821,383	6,000	300,611	288,326	42,600	39,480	15,772	1,640	3,433	10,389	19,674	97,649
Dredging, river, harbor, etc.....	5	8,057,421	483,000	1,890,635	558,623		337,650	965	33,395	17,185	16,466	95,117	3,448,078
Other classes ⁴	5	444,355	12,000	162,217	91,522	6,760	71,970	11,885	890	3,480	700	4,718	59,845
Subcontractors.....	147	21,062,875	541,000	6,542,074	10,300,427	250,714	1,472,992	65,618	150,388	62,324	16,051	139,264	1,204,053
Electrical.....	17	1,734,609	1,000	547,692	769,173	44,476	177,848	500	21,534	7,895	1,367	9,211	127,517
Elevator construction.....	4	2,124,253		442,956	1,260,439		89,482		0,260	1,100	4,675	14,667	69,269
Heating and plumbing.....	50	8,504,814	226,000	2,103,984	4,639,288	119,200	535,932	360	40,219	11,060	6,711	32,519	480,237
Heating and piping ²	19	5,331,070	20,000	1,368,778	2,935,653	33,611	371,670	360	23,145	4,756	4,487	21,104	358,677
Plumbing.....	21	2,179,632	58,000	550,339	1,210,105	49,491	117,292		9,816	4,812	2,123	7,700	71,940
Plumbing and heating combined.....	10	996,112	148,000	184,867	493,230	36,698	46,970		7,258	2,092	101	3,706	49,620
Masonry.....	12	2,455,595	100,000	903,819	935,212	20,259	116,351	8,129	4,568	2,011		21,858	31,047
Painting and decorating.....	11	723,580	2,000	300,799	181,414	12,760	47,289	5,605	50,821	3,203	236	7,768	31,904
Plastering and lathing.....	4	470,408	3,000	243,541	87,055	3,900	33,551		1,595	2,416		3,601	14,933
Roofing and sheet-metal work.....	18	1,965,648	30,000	562,273	855,729	27,762	172,571		13,812	4,804		18,537	163,473
Roofing.....	13	1,513,516	15,000	420,968	600,169	12,620	120,460		9,212	4,277		15,552	129,352
Sheet-metal work.....	5	482,180	15,000	141,305	195,560	15,142	43,111		4,600	527		3,035	34,121
Steel erection.....	3	394,830	9,000	111,333	165,000	10,400	33,200	3,178	4,996	3,283		4,888	34,230
Stone work and concreting.....	7	828,923	90,000	336,059	200,225		114,430	1,465	5,421	320		11,999	30,035
Marble and tiling.....	10	1,041,371	90,000	446,674	844,370	6,500	78,773		5,566	6,286		4,925	50,324
Excavating.....	3	412,162		175,803	6,100	7,928	28,051	45,660	2,810	2,742		3,853	83,169
Metal work, n. e. s.....	3	339,803	13,000	74,251	162,657		9,840	1,196	3,184	87		2,890	73,849
Other classes ³	5	328,770		112,890	137,765	6,529	36,674		1,778	1,348		2,498	14,066

¹ Includes grading and foundation.

² Includes pipe covering and automatic temperature control.

³ Includes carpentering and wood flooring, highway, and and flooring, n. e. s.

⁴ Includes grading, railroad, and foundation.

CONSTRUCTION—MARYLAND

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		
MARYLAND					BALTIMORE						
All kinds of material.....	\$33,389,857		\$407.04	\$18,502,204	\$14,887,653	All kinds of material.....	\$26,033,074	\$399.23	\$12,087,091	\$13,945,983	
Distribution not reported.....	11,656,235	34.0		7,611,142	3,944,093	Distribution not reported.....	8,365,155	32.1	4,977,766	3,887,889	
Distributed by kind.....	21,834,622	100.0		10,891,062	10,943,560	Distributed by kind.....	17,667,919	100.0	7,109,325	10,558,594	
Sand, gravel, stone, slag, cinders, etc.....	2,984,206	13.7	55.03	2,850,438	133,768	Sand, gravel, stone, slag, cinders, etc.....	1,443,013	8.2	32.61	1,313,615	129,398
Brick (face, common, fire, paving, etc.).....	926,286	4.2	17.27	559,442	366,844	Brick (face, common, fire, paving, etc.).....	803,256	4.5	18.15	457,854	345,402
Tile (fireproofing).....	167,089	.8	3.11	15,497	151,592	Tile (fireproofing).....	160,315	.9	3.02	8,723	151,592
Tile, facing, terra cotta, floor and wall.....	195,085	.9	3.63	98,046	96,439	Tile, facing, terra cotta, floor and wall.....	188,897	1.1	4.27	92,574	96,323
Concrete and cinder block.....	45,609	.2	.85	36,797	8,812	Concrete and cinder block.....	23,732	.1	.54	15,645	8,137
Cut stone, granite and marble.....	752,804	3.4	14.03	35,438	717,366	Cut stone, granite and marble.....	736,441	4.2	16.04	19,593	716,848
Riprap, rubble, etc.....	32,149	.1	.60	7,078	24,171	Riprap, rubble, etc.....	5,659	(⁴)	1.13	1,878	3,781
Cement.....	2,007,890	9.5	38.55	1,884,493	183,397	Cement.....	1,146,690	6.5	25.91	971,294	175,396
Lime.....	84,162	.4	1.57	54,739	29,423	Lime.....	75,794	.4	1.71	46,341	29,423
Plaster, etc.....	115,033	.5	2.15	40,864	74,169	Plaster, etc.....	89,384	.5	1.05	14,827	74,557
Structural steel.....	936,794	4.3	17.46	856,805	79,929	Structural steel.....	871,665	4.9	10.70	791,736	79,929
Reinforcing steel.....	377,162	1.7	7.03	374,545	2,617	Reinforcing steel.....	398,341	1.9	7.65	336,239	2,102
Cast iron, miscellaneous, excluding pipe.....	22,478	.1	.42	21,836	642	Cast iron, miscellaneous, excluding pipe.....	15,200	.1	.34	14,555	642
Metal doors, windows, and trim.....	2,939,537	13.5	54.80	32,015	2,907,522	Metal doors, windows, and trim.....	2,932,049	16.6	66.27	25,127	2,907,522
Metal and wire lath and furring.....	45,321	.2	.85	9,549	35,772	Metal and wire lath and furring.....	36,682	.2	.83	1,125	35,557
Ornamental metal work.....	4,523	(⁴)	.09	4,523		Ornamental metal work.....	1,355	(⁴)	.03	1,355	
Lumber, rough and finished.....	1,964,100	9.0	36.61	1,918,592	45,508	Lumber, rough and finished.....	1,610,200	9.1	36.39	1,667,422	42,838
Lath, shingles and shakes (wood).....	22,688	.1	.42	19,927	2,761	Lath, shingles and shakes (wood).....	13,511	.1	.30	10,750	2,761
Millwork.....	565,069	2.6	10.53	561,509	3,560	Millwork.....	395,941	2.2	8.95	392,441	3,500
Composition board.....	80,213	.4	1.49	17,510	62,703	Composition board.....	65,836	.4	1.49	3,866	61,970
Waterproofing materials.....	32,459	.1	.61	18,769	13,690	Waterproofing materials.....	29,654	.2	1.67	15,964	13,690
Hardware, rough and finished.....	185,294	.8	3.46	177,499	7,795	Hardware, rough and finished.....	147,843	.8	3.33	140,020	7,323
Paints, varnishes, glass.....	281,091	1.3	5.25	65,540	216,151	Paints, varnishes, glass.....	258,169	1.5	5.83	42,018	216,151
Roofing and sheet metal.....	502,842	2.3	10.49	57,475	505,367	Roofing and sheet metal.....	480,474	2.8	10.99	26,503	459,971
Finished flooring (other than cement, wood, or tile).....	122,871	.6	2.29	35,328	87,543	Finished flooring (other than cement, wood, or tile).....	113,220	.6	2.50	25,677	87,543
Screens, shades, awnings, etc.....	36,375	.2	.68	21,476	14,899	Screens, shades, awnings, etc.....	28,715	.2	.65	13,816	14,899
Heating and ventilating equipment.....	1,689,701	7.7	31.50	95,052	1,594,709	Heating and ventilating equipment.....	1,550,173	8.8	35.03	43,073	1,507,100
Plumbing and gas-fitting equipment.....	1,205,775	5.9	24.15	83,029	1,212,746	Plumbing and gas fitting equipment.....	1,121,285	6.3	25.34	48,230	1,073,055
Electrical appliances and supplies.....	1,010,268	4.0	18.83	31,149	979,109	Electrical appliances and supplies.....	952,755	5.4	21.63	14,833	937,922
Elevators, dumb-waiters, and equipment.....	1,263,620	5.8	23.56	3,181	1,260,439	Elevators, dumb-waiters, and equipment.....	1,260,704	7.1	28.40	265	1,260,439
Pipe: Drain tile, vitrified, concrete, segment tile, corrugated.....	111,289	.5	2.08	80,396	30,893	Pipe: Drain tile, vitrified, concrete, segment tile, corrugated.....	61,520	.3	1.39	31,735	29,785
Pipe: Cast-iron, sheet and tube steel, etc.....	188,099	.9	3.50	140,520	47,579	Pipe: Cast-iron, sheet and tube steel, etc.....	110,716	.6	2.50	70,383	40,333
Wire cable, guards, and fencing.....	10,950	.1	2.50	10,500	450	Wire cable, guards, and fencing.....	10,450	.1	.24	10,000	450
Bituminous paving materials.....	208,004	1.0	3.90	207,192	1,712	Bituminous paving materials, tar asphalt and oil.....	112,478	.6	2.54	110,766	1,712
Wood piling and timber.....	303,782	1.4	5.06	303,782		Wood piling and timber.....	303,782	.7	6.86	303,782	
Freight, hauling or trucking to job.....	62,375	.3	1.16	49,396	12,979	Freight, hauling or trucking to job.....	62,375	1.4	1.41	49,396	12,979
Chemicals and chemical products.....	7,106	(⁴)	.13	7,106		Chemicals and chemical products.....	7,106	(⁴)	.10	7,106	
Metal products, n. e. s. (including metal furniture).....	20,525	.1	.38	372	20,153	Metal products, n. e. s. (including metal furniture).....	20,525	.1	.46	372	20,153
Sealing materials.....	4,642	(⁴)	.09	3,870	766	Sealing materials.....	4,642	(⁴)	.10	3,870	766
Miscellaneous.....	107,921	.5	2.01	98,276	9,645	Miscellaneous.....	81,268	.5	1.84	71,623	9,645

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 high percentage of total cost shown for this item is due to the fact that establishments located within this area reported that the major part of their construction work (on which this material was used) was done on contracts outside the home city or State.
⁴ Less than one-tenth of 1 per cent.

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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		
		Amount	Per cent of—					Amount	Per cent of—				
												Total cost	Cost of all distributed materials
MARYLAND						MARYLAND—Continued							
<i>Sand, gravel, stone, slag, cinders, etc.¹</i>						Cement—Continued							
All classes.....	\$21,834,622	\$2,984,206	100.0	13.7	\$60,847,762	75.9	Subcontractors.....	\$10,943,560	\$183,397	8.9	1.7	\$21,282,815	97.7
General contractors ³	10,891,062	2,850,438	95.5	26.2	30,564,947	67.4	Concreting.....	40,075	19,463	.9	48.0	141,426	97.9
Building.....	4,846,702	413,637	13.0	8.5	23,269,753	50.3	Heating and plumbing.....	3,002,672	3,805	.2	.1	5,899,219	97.6
Building not specialized ³	3,486,229	331,101	11.1	9.5	15,503,806	52.8	Heating and piping.....	1,371,485	3,530	.2	.3	2,884,930	99.6
Commercial building only.....	371,509	30,306	1.0	8.2	4,338,421	20.6	Plumbing.....	1,407,215	275	(⁰)	(⁰)	2,517,673	97.6
Residential building only.....	988,964	52,230	1.8	5.3	3,427,526	59.5	Masonry.....	725,649	81,321	3.9	11.2	1,616,879	96.5
Highway.....	2,879,908	1,608,152	52.6	54.5	6,210,067	95.9	Plastering and lathing.....	130,434	2,541	.1	1.9	639,863	99.7
Bridge and culvert.....	921,000	150,000	5.0	16.3	2,300,000	100.0	Stone work.....	156,601	2,223	.1	1.4	593,415	92.2
Grading.....	26,544	15,225	.5	67.4	147,120	99.6	Marble and tiling.....	727,594	22,044	1.1	3.0	1,198,985	94.6
Street paving.....	882,360	415,149	13.9	47.0	2,897,078	99.9	Excavating.....	6,100	2,000	.1	32.8	98,574	89.8
Sewer, gas, water, conduit.....	143,281	15,450	.5	10.8	528,071	99.3	Highway.....	110,000	50,000	2.4	45.5	250,000	100.0
Waterworks.....	96,457	20,000	.7	20.7	181,642	100.0	Structural steel						
Dredging, river, harbor, etc.....	409,000	125,000	4.2	30.6	826,000	94.0	All classes.....	21,834,622	936,734	100.0	4.3	60,847,762	75.9
Railroad.....	674,906	122,033	4.1	18 ¹ / ₂	3,122,626	79.7	General contractors ³	10,891,062	856,805	91.5	7.9	30,564,947	67.4
Foundation.....	10,904	5,792	.2	53.1	73,000	100.0	Building.....	4,846,702	632,276	67.5	13.0	23,269,753	50.3
Subcontractors.....	10,943,560	133,768	4.5	1.2	\$21,282,815	97.7	Building not specialized ³	3,486,229	618,450	66.0	17.7	15,503,806	52.8
Concreting.....	40,075	13,003	.5	34.7	141,426	97.9	Commercial building only.....	371,509	700	.1	.2	4,338,421	20.6
Heating and plumbing.....	3,002,672	100	(⁰)	(⁰)	5,899,219	97.6	Residential building only.....	988,964	13,126	1.4	1.3	3,427,526	59.5
Plumbing.....	1,407,215	100	(⁰)	(⁰)	2,517,673	97.6	Highway.....	2,879,908	35,075	3.7	1.2	6,210,067	95.9
Masonry.....	725,649	32,801	1.1	4.5	1,616,879	96.5	Bridge and culvert.....	921,000	150,000	16.0	16.3	2,300,000	100.0
Plastering and lathing.....	130,434	11,057	.4	8.0	639,863	99.7	Street paving.....	882,360	20,000	2.1	2.3	2,897,078	99.9
Roofing and sheet-metal work.....	529,467	1,067	(⁰)	.2	1,290,851	98.2	Sewer, gas, water, conduit.....	143,281	12,000	1.3	12.4	181,642	100.0
Roofing.....	302,082	1,067	(⁰)	.4	710,137	99.0	Waterworks.....	96,457	7,454	.8	1.1	3,122,626	79.7
Stone work.....	156,601	2,036	.1	1.7	593,415	92.2	Railroad.....	674,906	7,454	.8	1.1	3,122,626	79.7
Marble and tiling.....	727,594	9,604	.3	1.3	1,198,985	94.6	Subcontractors.....	10,943,560	79,929	8.5	7.9	\$21,282,815	97.7
Excavating.....	6,100	2,000	.1	32.8	98,574	89.8	Steel erection.....	65,000	65,000	6.9	100.0	125,000	97.7
Highway.....	110,000	60,000	2.0	54.5	250,000	100.0	Stone work.....	156,601	292	(⁰)	.2	593,415	92.2
<i>Brick (face, common, fire, paving, etc.)</i>						Reinforcing steel							
All classes.....	21,834,622	920,286	100.0	4.2	60,847,762	75.9	All classes.....	21,834,622	377,162	100.0	1.7	60,847,762	75.9
General contractors ³	10,891,062	560,442	60.4	5.1	30,564,947	67.4	General contractors ³	10,891,062	374,645	99.3	3.4	30,564,947	67.4
Building.....	4,846,702	528,870	57.1	10.9	23,269,753	50.3	Building.....	4,846,702	188,224	49.9	3.0	23,269,753	50.3
Building not specialized ³	3,486,229	284,203	27.4	7.3	15,503,806	52.8	Building not specialized ³	3,486,229	187,687	49.8	5.4	15,503,806	52.8
Commercial building only.....	371,509	101,111	17.4	43.4	4,338,421	20.6	Residential building only.....	988,964	537	.1	.1	3,427,526	59.5
Residential building only.....	988,964	113,202	12.2	11.4	3,427,526	59.5	Highway.....	2,879,908	40,670	10.8	1.4	6,210,067	95.9
Highway.....	2,879,908	1,608,152	52.6	54.5	6,210,067	95.9	Bridge and culvert.....	921,000	85,000	22.5	9.2	2,300,000	100.0
Bridge and culvert.....	921,000	150,000	5.0	16.3	2,300,000	100.0	Street paving.....	882,360	14,472	3.8	1.0	2,897,078	99.9
Grading.....	26,544	206	(⁰)	.8	147,120	99.6	Sewer, gas, water, conduit.....	143,281	3,525	2.5	5.9	181,642	99.3
Street paving.....	882,360	8,165	.9	9.1	2,897,078	99.9	Waterworks.....	96,457	10,000	2.7	10.4	3,122,626	79.7
Sewer, gas, water, conduit.....	143,281	1,020	.1	7.0	528,071	99.3	Railroad.....	674,906	32,754	8.7	4.9	3,122,626	79.7
Waterworks.....	96,457	15,000	1.6	15.6	181,642	100.0	Subcontractors.....	10,943,560	2,617	.7	(⁰)	\$21,282,815	97.7
Railroad.....	674,906	6,430	.7	1.0	3,122,626	79.7	Concreting.....	40,075	1,617	.4	4.0	141,426	97.9
Subcontractors.....	10,943,560	366,844	39.6	3.4	\$21,282,815	97.7	Excavating.....	6,100	1,000	.3	16.4	98,574	89.8
Concreting.....	40,075	498	.1	1.2	141,426	97.9	Metal doors, windows, and trim¹						
Masonry.....	725,649	366,340	39.6	50.5	1,616,879	96.5	All classes.....	21,834,622	2,939,537	100.0	13.5	60,847,762	75.9
<i>Cut stone, granite and marble</i>						Metal doors, windows, and trim¹							
All classes.....	21,834,622	752,804	100.0	3.4	60,847,762	75.9	General contractors ³	10,891,062	32,015	1.1	.3	30,564,947	67.4
General contractors ³	10,891,062	35,438	4.7	.3	30,564,947	67.4	Building.....	4,846,702	32,015	1.1	.7	23,269,753	50.3
Building.....	4,846,702	35,438	4.7	.7	23,269,753	50.3	Building not specialized ³	3,486,229	27,962	1.0	.8	15,503,806	52.8
Building not specialized ³	3,486,229	26,236	3.5	.9	15,503,806	52.8	Residential building only.....	988,964	4,053	.1	.4	3,427,526	59.5
Commercial building only.....	371,509	8,084	1.0	.8	4,338,421	20.6	Subcontractors.....	10,943,560	2,907,522	98.0	26.6	\$21,282,815	97.7
Residential building only.....	988,964	9,202	1.2	.9	3,427,526	59.5	Roofing and sheet-metal work.....	529,467	7,966	.3	1.5	1,290,851	98.2
Subcontractors.....	10,943,560	717,366	95.3	6.0	\$21,282,815	97.7	Sheet-metal work.....	216,161	7,966	.3	3.7	634,150	97.3
Concreting.....	40,075	8	(⁰)	(⁰)	141,426	97.9	Metal work, n. e. s.....	2,962,657	2,899,556	98.0	97.9	4,239,803	99.7
Masonry.....	725,649	15,201	2.0	2.1	1,616,879	96.5	Lumber, rough and finished						
Stone work.....	156,601	135,978	18.1	86.8	593,415	92.2	All classes.....	21,834,622	1,064,100	100.0	9.0	60,847,762	75.9
Marble and tiling.....	727,594	566,179	75.2	77.8	1,198,985	94.6	General contractors ³	10,891,062	1,618,592	97.7	17.0	30,564,947	67.4
Cement¹						Lumber, rough and finished							
All classes.....	21,834,622	2,067,800	100.0	9.5	60,847,762	75.9	Building.....	4,846,702	1,162,589	59.2	24.0	23,269,753	50.3
General contractors ³	10,891,062	1,884,493	91.1	17.3	30,564,947	67.4	Building not specialized ³	3,486,229	783,831	39.9	22.5	15,503,806	52.8
Building.....	4,846,702	442,161	21.4	9.1	23,269,753	50.3	Commercial building only.....	371,509	21,440	1.1	5.8	4,338,421	20.6
Building not specialized ³	3,486,229	337,454	16.3	9.7	15,503,806	52.8	Residential building only.....	988,964	357,323	18.2	36.1	3,427,526	59.5
Commercial building only.....	371,509	52,084	2.5	14.0	4,338,421	20.6	Highway.....	2,879,908	39,541	2.0	1.4	6,210,067	95.9
Residential building only.....	988,964	52,613	2.5	5.3	3,427,526	59.5	Bridge and culvert.....	921,000	300,000	15.8	32.6	2,300,000	100.0
Highway.....	2,879,908	908,963	44.0	31.6	6,210,067	95.9	Street paving.....	882,360	13,339	.7	1.5	2,897,078	99.9
Bridge and culvert.....	921,000	200,000	9.7	21.7	2,300,000	100.0	Sewer, gas, water, conduit.....	143,281	12,820	.7	8.9	181,642	100.0
Grading.....	26,544	10,900	.5	41.1	147,120	99.6	Waterworks.....	96,457	12,000	.6	12.4	3,122,626	79.7
Street paving.....	882,360	247,147	12.0	28.0	2,897,078	99.9	Railroad.....	674,906	213,303	10.9	31.6	3,122,626	79.7
Sewer, gas, water, conduit.....	143,281	28,613	1.4	20.0	528,071	99.3	See footnotes at end of table.						
Waterworks.....	96,457	20,000	1.0	4.9	181,642	100.0	127100—33—36						
Dredging, river, harbor, etc.....	409,000	21,607	1.0	3.2	3,122,626	79.7	127100—33—36						
Railroad.....	674,906	5,112	.2	46.9	73,000	100.0	127100—33—36						
Foundation.....	10,904	5,112	.2	46.9	73,000	100.0	127100—33—36						

CONSTRUCTION—MARYLAND

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	Percent of—					Cost of all materials distributed by kind	Amount	Percent of—			
			Total cost	Cost of all distributed materials						Total cost	Cost of all distributed materials		
MARYLAND—Continued						MARYLAND—Continued							
Lumber, rough and finished—Continued						Plumbing and gas fitting equipment—Continued							
Subcontractors.....	\$10,943,500	\$45,508	2.3	0.4	\$21,282,815	97.7	Subcontractors.....	\$10,943,500	\$1,212,746	93.0	11.1	\$21,282,815	97.7
Carpentering and wood flooring.....	10,263	13,132	7.0	80.8	55,240	100.0	Concreting.....	40,076	19	0.0	0.0	141,425	97.9
Concreting.....	40,076	3,176	2.3	7.9	141,425	97.9	Electrical.....	925,002	10,000	1.1	0.1	2,054,113	100.0
Masonry.....	725,649	17,444	2.4	1.6	1,616,879	95.5	Heating and plumbing.....	3,002,672	1,187,564	39.6	5.6	5,899,219	97.6
Plastering and lathing.....	130,434	514	0.4	0.4	630,803	99.7	Heating and piping.....	1,371,485	100,397	7.3	0.7	2,884,930	99.6
Stone work.....	156,601	95	0.1	0.1	593,415	92.2	Plumbing.....	1,407,215	914,303	65.0	65.0	2,517,673	97.6
Excavating.....	6,100	1,100	1.8	18.0	98,574	89.8	Plumbing and heating combined.....	161,543	82,864	51.3	51.3	320,570	89.3
Metal work, n. e. s.....	2,962,657	10,047	0.3	0.3	4,230,803	99.7	Roofing and sheet-metal work.....	529,467	15,064	2.8	2.8	1,290,851	98.2
Millwork.....							Roofing.....	302,662	15,064	5.0	5.0	719,137	99.0
All classes.....	21,834,622	565,009	100.0	2.6	60,847,762	75.9	Stone work.....	156,601	100	0.0	0.0	593,415	92.2
General contractors.....	10,891,062	561,509	99.4	5.2	39,564,947	67.4	Electrical appliances and supplies:						
Building.....	4,846,702	556,609	11.5	11.5	23,269,753	50.3	All classes.....						
Building not specialized.....	3,486,229	410,549	11.8	11.8	15,603,806	52.8	21,834,622	1,010,258	100.0	4.6	60,847,762	75.9	
Commercial building only.....	371,509	6,663	1.7	2.0	4,338,421	20.6	General contractors.....	10,891,062	31,149	3.1	3.1	39,564,947	67.4
Residential building only.....	988,964	136,397	13.8	13.8	3,427,526	59.5	Building.....	4,846,702	30,007	3.1	0.6	23,269,753	50.3
Bridge and culvert.....	924,000	5,000	0.5	0.5	2,800,000	100.0	Building not specialized.....	3,486,229	20,596	2.0	0.6	15,503,806	52.8
Subcontractors.....	10,943,500	3,500	0.0	0.0	21,282,815	97.7	Commercial building only.....	371,509	231	0.0	0.1	4,338,421	20.6
Stone work.....	156,601	3,500	0.0	2.2	593,415	92.2	Residential building only.....	988,964	10,080	1.0	1.0	3,427,526	59.5
Roofing and sheet metal.....							Street paving.....	924,000	242	0.0	0.0	2,807,069	99.9
All classes.....	21,834,622	562,842	100.0	2.6	60,847,762	75.9	Subcontractors.....	10,943,500	979,109	96.0	8.0	21,282,815	97.7
General contractors.....	10,891,062	57,475	10.2	0.5	39,564,947	67.4	Concreting.....	40,076	19	0.0	0.0	141,425	97.9
Building.....	4,846,702	51,475	9.1	1.1	23,269,753	50.3	Electrical.....	925,002	905,002	97.8	97.8	2,054,113	100.0
Building not specialized.....	3,486,229	38,083	6.9	1.1	15,503,806	52.8	Heating and plumbing.....	3,002,672	73,938	2.5	2.5	5,899,219	97.6
Commercial building only.....	371,509	1,827	0.5	0.5	4,338,421	20.6	Heating and piping.....	1,371,485	67,317	4.9	4.9	2,884,930	99.6
Residential building only.....	988,964	11,565	2.1	1.2	3,427,526	59.5	Plumbing.....	1,407,215	100	0.0	0.0	2,517,673	97.6
Waterworks.....	96,457	6,000	1.1	6.2	181,642	100.0	Plumbing and heating combined.....	161,543	6,521	4.0	4.0	320,570	89.3
Subcontractors.....	10,943,500	505,397	89.8	4.6	21,282,815	97.7	Stone work.....	156,601	150	0.1	0.1	593,415	92.2
Heating and plumbing.....	3,002,672	28,021	4.1	0.8	5,899,219	97.6	Elevators, dumb-waiters, and equipment						
Heating and piping.....	1,371,485	13,779	2.4	1.0	2,884,930	99.6	All classes.....						
Plumbing.....	1,407,215	3,532	0.6	0.3	2,517,673	97.6	21,834,622	1,263,620	100.0	5.8	60,847,762	75.9	
Plumbing and heating combined.....	161,543	5,080	1.0	3.5	320,570	89.3	General contractors.....	10,350,227	3,181	3.1	0.0	39,841,520	69.1
Roofing and sheet-metal work.....	529,467	489,194	85.3	90.7	1,290,851	98.2	Building.....	4,306,867	3,181	0.0	0.1	20,546,335	50.8
Roofing.....	302,662	205,335	47.1	87.8	719,137	99.0	Building not specialized.....	2,945,394	3,066	2.2	0.1	12,730,388	53.0
Sheet-metal work.....	216,101	209,615	36.2	94.2	534,150	97.3	Residential building only.....	988,964	116	0.0	0.0	3,427,526	59.5
Roofing and sheet metal combined.....	11,244	11,244	2.0	100.0	37,564	95.2	Subcontractors.....	10,943,500	1,260,439	99.7	11.5	21,282,815	97.7
Stone work.....	156,601	2,152	0.4	1.4	593,415	92.2	Elevator construction.....	1,260,439	1,260,439	99.7	100.0	2,124,253	100.0
Heating and ventilating equipment²						BALTIMORE							
All classes.....	21,834,622	1,680,761	100.0	7.7	60,847,762	75.9	Sand, gravel, stone, slag, cinders, etc.³						
General contractors.....	10,891,062	95,052	5.6	0.9	39,564,947	67.4	All classes.....						
Building.....	4,846,702	95,052	5.0	2.0	23,269,753	50.3	17,667,910	1,443,013	100.0	8.2	51,839,307	74.1	
Building not specialized.....	3,486,229	59,802	3.5	1.7	15,503,806	52.8	General contractors.....	7,109,325	1,313,615	91.0	18.5	31,311,770	62.0
Residential building only.....	988,964	36,250	2.1	3.6	3,427,526	59.5	Building.....	3,691,293	336,238	23.9	9.1	20,396,560	46.8
Subcontractors.....	10,943,500	1,594,709	94.4	14.0	21,282,815	97.7	Building not specialized.....	2,508,574	257,575	17.8	10.3	13,032,014	49.4
Heating and plumbing.....	3,002,672	1,588,253	94.0	52.9	5,899,219	97.6	Commercial building only.....	364,026	30,306	2.1	8.9	4,302,072	20.5
Heating and piping.....	1,371,485	1,063,702	62.9	77.6	2,884,930	99.6	Residential building only.....	818,693	48,357	3.4	5.9	3,032,480	56.2
Plumbing.....	1,407,215	462,079	27.3	32.8	2,517,673	97.6	Highway.....	432,174	173,667	12.0	40.2	1,915,044	88.3
Plumbing and heating combined.....	161,543	62,472	3.7	38.7	320,570	89.3	Bridge and culvert.....	921,000	150,000	10.4	16.3	2,800,000	100.0
Roofing and sheet-metal work.....	529,467	6,456	0.4	1.2	1,290,851	98.2	Grading.....	26,544	15,225	1.1	57.4	147,120	99.3
Roofing.....	302,662	6,456	0.4	2.1	719,137	99.0	Street paving.....	717,143	351,010	24.3	48.0	2,542,402	99.0
Plumbing and gas fitting equipment						Foundation							
All classes.....	21,834,622	1,295,775	100.0	5.9	60,847,762	75.9	Foundation.....						
General contractors.....	10,891,062	83,029	6.4	0.8	39,564,947	67.4	Subcontractors.....						
Building.....	4,846,702	78,572	6.1	1.6	23,269,753	50.3	Concreting.....						
Building not specialized.....	3,486,229	59,694	3.9	1.5	15,503,806	52.8	Heating and plumbing.....						
Commercial building only.....	371,509	671	0.1	0.2	4,338,421	20.6	Plumbing.....						
Residential building only.....	988,964	27,207	2.1	2.8	3,427,526	59.5	Masonry.....						
Waterworks.....	96,457	4,457	0.3	4.6	181,642	100.0	Plastering and lathing.....						

See footnotes at end of table.

CONSTRUCTION—MARYLAND

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

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	Cost of all materials distributed by kind	COST OF DESIGNATED MATERIAL			Value of construction business	Indicated per cent of all business done by own force	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	Cost of all materials distributed by kind	COST OF DESIGNATED MATERIAL			Value of construction business	Indicated per cent of all business done by own force
		Amount	Percent of—						Amount	Percent of—			
			Total cost	Cost of all distributed materials						Total cost	Cost of all distributed materials		
BALTIMORE—Continued						ALTIMORE—Continued							
<i>Sand, gravel, stone, slag, cinders, etc.—Con.</i>						<i>Structural steel—Con.</i>							
<i>Subcontractors—Continued.</i>						<i>General contractors—Con.</i>							
Roofing and sheet-metal work	\$ 484,007	\$1,067	0.1	0.2	\$1,182,700	98.1	Waterworks	\$96,457	\$12,000	1.4	12.4	\$181,642	100.0
Roofing	290,163	1,067	.1	.4	603,980	99.0	Railroad	674,906	7,464	1.1	1.1	3,122,626	89.8
Stone work	156,601	2,630	.2	1.7	593,415	92.2	Subcontractors	10,558,594	79,929	9.2	.8	20,527,627	97.6
Marble and tiling	707,204	9,604	.7	1.4	1,166,985	94.5	Steel erection	65,000	65,000	7.5	100.0	125,000	97.7
Excavating	6,100	2,000	.1	32.8	98,574	87.7	Stone work	156,601	292	.2	.2	593,415	92.2
Highway	110,000	60,000	4.2	54.5	250,000	100.0	Metal work, n. e. s.	2,962,657	14,637	1.7	.5	4,239,803	99.7
<i>Brick (face, common, fire, paving, etc.)</i>						<i>Reinforcing steel</i>							
All classes	17,067,919	803,256	100.0	4.5	51,830,397	74.1	All classes	7,17,067,919	338,341	100.0	1.0	\$ 51,830,397	74.1
General contractors	7,109,325	457,854	57.0	6.4	31,311,770	62.9	General contractors	6,688,830	336,230	90.4	6.0	28,936,232	64.8
Building	3,691,293	428,053	53.3	11.6	20,366,566	46.8	Building	3,250,798	180,333	53.3	6.5	17,991,028	47.2
Building not specialized	2,508,574	161,792	20.1	6.4	13,032,014	49.4	Building not specialized	2,068,070	179,858	53.2	8.7	10,656,476	50.4
Commercial building only	304,026	161,111	20.1	44.3	4,302,072	20.5	Residential building only	818,693	475	.1	.1	3,032,480	56.2
Residential building only	818,693	106,150	13.1	12.8	3,032,480	56.2	Highway	432,174	16,175	4.8	3.7	1,315,044	88.3
Grading	26,544	200	.0	.8	147,120	99.3	Bridge and culvert	921,000	85,000	25.1	9.2	2,300,000	100.0
Street paving	717,143	8,165	1.0	1.1	2,542,402	99.9	Street paving	717,143	8,452	2.6	2.2	2,542,402	99.9
Waterworks	96,457	15,000	1.9	15.0	181,642	100.0	Sewer, gas, water, conduit	129,904	3,525	1.0	2.7	437,370	99.3
Railroad	674,906	6,430	.8	1.0	3,122,626	89.8	Waterworks	96,457	10,000	3.0	10.4	181,642	100.0
Subcontractors	10,558,594	345,402	43.0	3.3	20,527,627	97.6	Railroad	674,906	32,754	0.7	4.0	3,122,626	89.8
Concreting	34,624	100	.0	.3	115,897	100.0	Subcontractors	10,558,594	2,102	.6	(9)	20,527,627	97.6
Masonry	688,761	345,302	43.0	50.1	1,523,518	96.1	Concreting	34,624	1,102	.3	3.2	115,897	100.0
<i>Cut stone, granite and marble</i>						<i>Metal doors, windows, and trim</i>							
All classes	17,067,919	736,441	100.0	4.2	51,830,397	74.1	All classes	7,17,067,919	2,932,049	100.0	16.6	\$ 51,830,397	74.1
General contractors	7,109,325	19,593	2.7	.8	31,311,770	62.9	General contractors	6,688,830	25,127	.9	.4	28,936,232	64.8
Building	3,691,293	19,593	2.7	.5	20,366,566	46.8	Building	3,250,798	25,127	.9	.8	17,991,028	47.2
Building not specialized	2,508,574	12,002	1.6	.5	13,032,014	40.4	Building not specialized	2,068,070	21,074	1.0	1.0	10,656,476	50.4
Residential building only	818,693	7,591	1.0	.0	3,032,480	56.2	Residential building only	818,693	4,063	.1	.5	3,032,480	56.2
Subcontractors	10,558,594	716,848	97.3	6.8	20,527,627	97.6	Subcontractors	10,558,594	2,907,522	99.1	27.5	20,527,627	97.6
Masonry	688,761	14,001	2.0	2.1	1,523,518	96.1	Roofing and sheet-metal work	484,007	7,900	.3	1.6	1,182,700	98.1
Stone work	156,601	135,078	18.5	86.8	593,415	92.2	Sheet-metal work	183,560	7,900	.3	4.3	461,160	96.9
Marble and tiling	707,204	569,179	79.9	80.1	1,166,985	94.5	Metal work, n. e. s.	2,962,657	2,899,550	98.9	97.9	4,239,803	99.7
<i>Cement</i>						<i>Lumber, rough and finished</i>							
All classes	17,067,919	1,146,600	100.0	6.5	51,830,397	74.1	All classes	17,067,919	1,610,200	100.0	9.1	51,830,397	74.1
General contractors	7,109,325	971,294	84.7	13.7	31,311,770	62.9	General contractors	7,109,325	1,567,422	97.3	22.0	31,311,770	62.9
Building	3,691,293	354,448	30.9	9.6	20,366,566	46.8	Building	3,691,293	829,470	51.5	22.5	20,366,566	46.8
Building not specialized	2,508,574	265,576	23.2	10.9	13,032,014	49.4	Building not specialized	2,608,574	537,040	33.4	21.4	13,032,014	49.4
Commercial building only	304,026	62,084	4.5	14.3	4,302,072	20.5	Commercial building only	304,026	18,182	1.1	5.0	4,302,072	20.5
Residential building only	818,693	36,788	3.2	4.5	3,032,480	56.2	Residential building only	818,693	273,048	17.0	33.4	3,032,480	56.2
Highway	432,174	102,837	9.0	23.8	1,315,044	88.3	Highway	432,174	25,000	1.6	5.8	1,315,044	88.3
Bridge and culvert	921,000	200,000	17.4	21.7	2,300,000	100.0	Bridge and culvert	921,000	300,000	18.6	32.6	2,300,000	100.0
Grading	26,544	10,900	1.0	41.1	147,120	99.3	Street paving	717,143	9,829	.6	1.4	2,542,402	99.9
Street paving	717,143	228,647	19.6	31.9	2,542,402	99.9	Sewer, gas, water, conduit	129,904	12,820	.8	9.9	437,370	99.3
Sewer, gas, water, conduit	129,904	27,743	2.4	21.4	437,370	99.3	Waterworks	96,457	12,000	.7	12.4	181,642	100.0
Dredging, river, harbor, etc.	409,000	20,000	1.7	4.9	826,000	94.0	Dredging, river, harbor, etc.	409,000	165,000	10.2	40.3	826,000	94.0
Railroad	674,906	21,607	1.0	3.2	3,122,626	89.8	Railroad	674,906	213,303	13.2	31.6	3,122,626	89.8
Foundation	10,904	5,112	.4	46.9	73,000	100.0	Subcontractors	10,558,594	42,838	2.7	.4	20,527,627	97.6
Subcontractors	10,558,594	175,396	15.3	1.7	20,527,627	97.6	Carpentering and woodflooring	16,253	13,132	.8	80.8	55,240	100.0
Concreting	34,624	18,922	1.7	54.6	115,897	100.0	Concreting	34,624	506	.0	1.5	115,897	100.0
Heating and plumbing	2,766,122	3,805	.3	.1	5,476,799	97.3	Masonry	688,761	17,444	1.1	2.5	1,523,518	96.1
Heating and piping	1,343,113	3,530	.3	.3	2,837,149	99.6	Plastering and lathing	130,434	514	.0	.4	639,863	99.7
Plumbing	1,228,037	275	.0	.0	1,521,034	97.2	Stone work	156,601	95	.0	.1	593,415	92.2
Masonry	688,761	73,861	6.4	10.7	1,523,518	96.1	Excavating	6,100	1,100	.1	18.0	98,574	87.7
Plastering and lathing	130,434	2,541	.2	1.9	639,863	99.7	Metal work, n. e. s.	2,962,657	10,947	.0	.3	4,239,803	99.7
Stone work	156,601	2,223	.2	1.4	593,415	92.2	<i>Millwork</i>						
Marble and tiling	707,204	22,044	1.9	3.1	1,166,985	94.5	All classes	17,067,919	395,941	100.0	2.2	51,830,397	74.1
Excavating	6,100	2,000	.2	32.8	98,574	87.7	General contractors	7,109,325	392,441	99.1	5.5	31,311,770	62.9
Highway	110,000	50,000	4.4	45.5	250,000	100.0	Building	3,691,293	387,441	97.9	10.5	20,366,566	46.8
<i>Structural steel</i>						<i>General contractors—Con.</i>							
All classes	17,067,919	871,665	100.0	4.9	51,830,397	74.1	Building not specialized	2,508,574	261,501	66.0	10.4	13,032,014	49.4
General contractors	7,109,325	791,736	90.8	11.1	31,311,770	62.9	Commercial building only	304,026	7,913	2.0	2.2	4,302,072	20.5
Building	3,691,293	587,207	67.4	15.9	20,366,566	46.8	Residential building only	818,693	118,027	29.8	14.4	3,032,480	56.2
Building not specialized	2,508,574	574,861	65.9	22.9	13,032,014	49.4	Bridge and culvert	921,000	5,000	1.3	.5	2,300,000	100.0
Commercial building only	304,026	12,346	1.4	1.5	3,032,480	56.2	Subcontractors	10,558,594	3,500	.0	(9)	20,527,627	97.6
Residential building only	818,693	12,346	1.4	1.5	3,032,480	56.2	Stone work	156,601	3,500	.0	.2	593,415	92.2
Highway	432,174	35,075	4.0	8.1	1,315,044	88.3	See footnotes at end of table.						
Bridge and culvert	921,000	160,000	17.2	16.3	2,300,000	100.0							

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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
BALTIMORE—Continued						BALTIMORE—Continued									
Roofing and sheet metal						Plumbing and gas fitting equipment—Continued									
All classes.....	\$17,667,919	\$480,474	100.0	2.8	\$51,839,397	74.1	Subcontractors.....	\$10,558,594	\$1,073,055	95.7	10.2	\$20,527,627	97.6		
General contractors ²	7,109,325	20,503	5.4	.4	31,311,770	62.9	Concreting.....	34,624	18	(³)	.1	115,897	100.0		
Building.....	3,601,293	20,503	4.2	.6	20,366,566	46.8	Electrical.....	883,815	10,000	.9	1.1	1,980,385	99.9		
Building not specialized ³	2,508,574	8,711	1.8	.3	13,032,014	49.4	Heating and plumbing.....	2,766,122	1,047,873	93.5	37.9	5,476,799	97.3		
Commercial building only.....	364,026	1,827	.4	.5	4,302,072	20.5	Heating and piping.....	1,343,113	183,465	16.4	13.7	2,837,149	90.6		
Residential building only.....	818,693	9,908	2.0	1.2	3,032,480	56.2	Plumbing.....	1,228,037	791,544	70.6	64.5	2,191,034	97.2		
Waterworks.....	96,457	6,000	1.2	6.2	181,642	100.0	Plumbing and heating combined.....	132,543	72,864	6.5	55.0	272,570	85.7		
Subcontractors.....	10,558,594	459,971	94.0	4.4	20,527,627	97.6	Roofing and sheet-metal work.....	484,967	15,064	1.3	3.1	1,182,700	93.1		
Heating and plumbing.....	2,766,122	22,125	4.5	.8	5,476,799	97.3	Roofing.....	290,163	16,064	1.3	5.2	693,936	99.0		
Heating and piping.....	1,343,113	12,877	2.0	1.0	2,837,149	90.6	Stone work.....	156,601	100	(⁴)	.1	593,415	92.2		
Plumbing.....	1,228,037	3,562	.7	.3	2,101,034	97.2	Electrical appliances and supplies								
Plumbing and heating combined.....	132,543	5,086	1.2	4.3	272,570	85.7	All classes.....	17,667,919	952,765	100.0	5.4	51,839,397	74.1		
Roofing and sheet-metal work.....	484,967	435,094	89.0	89.8	1,182,700	98.1	General contractors ²	7,109,325	14,833	1.6	.2	31,311,770	62.9		
Roofing.....	290,163	253,436	52.1	87.3	693,936	99.0	Building.....	3,601,293	14,591	1.5	.4	20,366,566	46.8		
Sheet-metal work.....	183,560	171,014	35.2	93.2	451,150	96.9	Building not specialized ³	2,508,574	5,050	.5	.2	13,032,014	49.4		
Roofing and sheet metal combined.....	11,244	11,244	2.3	100.0	37,564	95.2	Commercial building only.....	364,026	231	(⁵)	.1	4,302,072	20.5		
Stone work.....	156,601	2,152	.4	1.4	593,415	92.2	Residential building only.....	818,693	9,330	1.0	1.1	3,032,480	56.2		
Heating and ventilating equipment²						Street paving.....									
All classes.....	17,667,919	1,550,173	100.0	8.8	51,839,397	74.1	Subcontractors.....	10,558,594	937,922	98.4	8.9	20,527,627	97.6		
General contractors ²	7,109,325	43,073	2.8	.6	31,311,770	62.9	Concreting.....	34,624	19	(⁶)	.1	115,897	100.0		
Building.....	3,601,293	43,073	2.8	1.2	20,366,566	46.8	Electrical.....	883,815	863,815	90.7	97.7	1,980,385	99.9		
Building not specialized ³	2,508,574	12,323	.8	.5	13,032,014	49.4	Heating and plumbing.....	2,766,122	73,938	7.8	2.7	5,476,799	97.3		
Residential building only.....	818,693	30,750	2.0	3.8	3,032,480	56.2	Heating and piping.....	1,343,113	67,317	7.1	5.0	2,837,149	99.6		
Subcontractors.....	10,558,594	1,507,100	97.2	14.3	20,527,627	97.6	Plumbing.....	1,228,037	100	(⁷)	(⁸)	2,191,034	97.2		
Heating and plumbing.....	2,766,122	1,500,644	96.8	54.3	5,476,799	97.3	Plumbing and heating combined.....	132,543	6,521	.7	4.9	272,570	85.7		
Heating and piping.....	1,343,113	1,044,209	67.4	77.7	2,837,149	99.6	Stone work.....	156,601	150	(⁹)	.1	593,415	92.2		
Plumbing.....	1,228,037	408,000	26.4	33.3	2,101,034	97.2	Elevators, dumb-waiters, and equipment								
Plumbing and heating combined.....	132,543	47,472	3.1	35.8	272,570	85.7	All classes.....	17,667,919	1,260,704	100.0	7.1	51,839,397	74.1		
Roofing and sheet-metal work.....	484,967	6,456	.4	1.3	1,182,700	98.1	General contractors.....	6,668,830	265	(¹⁰)	(¹⁰)	25,936,232	64.8		
Roofing.....	290,163	6,456	.4	2.2	693,936	99.0	Building.....	3,250,798	265	(¹⁰)	(¹⁰)	17,991,028	47.2		
Plumbing and gas fitting equipment						Wood piling and timber									
All classes.....	17,667,919	1,121,285	100.0	6.3	51,839,397	74.1	Building not specialized.....	2,083,079	150	(¹⁰)	(¹⁰)	10,655,470	50.4		
General contractors ²	7,109,325	48,230	4.3	.7	31,311,770	62.9	Residential building only.....	818,693	115	(¹⁰)	(¹⁰)	3,032,480	56.2		
Building.....	3,601,293	43,773	3.9	1.2	20,366,566	46.8	Subcontractors.....	10,558,594	1,260,439	100.0	11.0	20,527,627	97.6		
Building not specialized ³	2,508,574	17,495	1.6	.7	13,032,014	49.4	Elevator construction.....	1,260,439	1,260,439	100.0	100.0	2,124,263	100.0		
Commercial building only.....	364,026	671	.1	.2	4,302,072	20.5	Wood piling and timber								
Residential building only.....	818,693	25,607	2.3	3.1	3,032,480	56.2	All classes.....	17,667,919	303,782	100.0	1.7	51,839,397	74.1		
Waterworks.....	96,457	4,457	.4	4.6	181,642	100.0	General contractors.....	6,668,830	303,782	100.0	4.6	28,936,232	64.8		
						Dredging, river, harbor, etc.									
						Railroad.....									
						Dredging, river, harbor, etc.....									
						Railroad.....									

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 544.
³ Includes operative builders.
⁴ Includes cost of materials reported by establishments which did not include the designated material in their distributed lists.
⁵ Includes construction work reported by establishments which did not include the designated material in their distributed lists.
⁶ Less than one-tenth of 1 per cent.
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 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.

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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. 550, the third section on p. 551)

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											
MARYLAND	\$33,389,857	\$21,834,622	65.4	\$2,984,208	\$926,288	\$187,089	\$195,085	\$45,609	\$762,804	\$32,149	\$2,087,890	\$84,162	\$115,033	\$938,734
Operative builders.....	1,271,747	540,835	42.5	24,727	161,007	-----	2,720	4,878	7,524	-----	21,893	23,063	12,784	2,860
General contractors.....	17,230,457	10,350,227	60.1	2,825,711	398,435	15,497	95,926	31,919	27,914	7,978	1,862,600	30,776	28,080	853,955
Building.....	8,896,750	4,305,877	48.4	388,910	387,569	15,497	95,204	25,319	27,014	3,190	420,268	28,735	28,080	620,426
Building not specialized.....	7,409,896	2,945,394	39.7	306,374	93,256	9,094	5,909	11,314	18,712	1,400	315,561	6,692	17,012	615,600
Commercial building only.....	371,509	371,509	100.0	30,806	161,111	-----	83,109	248	-----	-----	52,084	-----	-----	700
Residential building only.....	1,115,345	988,964	88.7	52,230	113,202	5,803	6,186	13,757	0,202	1,790	52,013	22,143	11,068	13,126
Highway.....	3,029,923	2,879,908	95.0	1,508,152	46	-----	-----	-----	-----	3,000	908,963	1,600	-----	35,075
Bridge and culvert.....	1,021,000	921,000	90.2	150,000	-----	-----	-----	-----	-----	-----	200,000	-----	-----	150,000
Grading.....	26,544	26,544	100.0	15,225	200	-----	-----	-----	-----	-----	10,900	141	-----	-----
Street paving.....	1,258,821	882,300	70.1	415,149	8,165	-----	-----	-----	-----	-----	247,147	400	-----	20,000
Sewer, gas, water, conduit.....	281,703	143,281	50.9	15,450	1,020	-----	-----	6,600	-----	-----	28,613	-----	-----	-----
Waterworks.....	96,457	96,457	100.0	20,000	15,000	-----	-----	-----	-----	-----	-----	-----	-----	12,000
Dredging, river, harbor, etc.....	558,623	409,000	73.2	125,000	-----	-----	-----	-----	-----	-----	20,000	-----	-----	-----
Railroad.....	2,049,732	674,906	32.9	122,033	6,430	-----	722	-----	-----	1,788	21,607	-----	-----	7,454
Foundation.....	10,904	10,904	100.0	5,792	-----	-----	-----	-----	-----	-----	5,112	-----	-----	-----
Subcontractors.....	14,887,653	10,943,500	73.5	183,788	366,844	151,592	90,430	8,812	717,360	24,171	183,397	20,423	74,169	70,920
Carpentering and wood flooring.....	22,426	16,253	72.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Concreting.....	40,075	40,075	100.0	13,903	498	-----	-----	138	-----	8	19,463	71	-----	-----
Electrical.....	925,002	925,002	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Elevator construction.....	1,260,439	1,260,439	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Heating and plumbing.....	5,591,330	3,002,672	53.7	100	-----	-----	-----	-----	-----	-----	3,805	-----	-----	-----
Heating and piping.....	3,206,505	1,371,485	42.8	-----	-----	-----	-----	-----	-----	-----	3,530	-----	-----	-----
Pipe covering.....	62,429	62,429	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Plumbing.....	1,664,625	1,407,215	89.9	100	-----	-----	-----	-----	-----	-----	275	-----	-----	-----
Plumbing and heating combined.....	730,232	161,543	22.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Masonry.....	1,174,943	725,640	61.8	32,801	366,346	151,592	6,860	675	15,201	3,781	81,321	6,957	3,856	-----
Painting and decorating.....	198,074	198,074	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	6,310	-----
Plastering and lathing.....	138,434	138,434	94.2	11,657	-----	-----	300	-----	-----	-----	2,541	18,985	63,853	-----
Roofing and sheet-metal work.....	1,031,473	529,467	51.3	1,007	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Roofing.....	692,068	302,002	43.6	1,007	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Sheet-metal work.....	228,161	216,161	94.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Roofing and sheet metal combined.....	111,244	11,244	10.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Steel erection.....	165,000	95,000	39.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	65,000
Stone work.....	241,601	166,601	64.8	2,630	-----	-----	-----	7,068	135,978	-----	2,223	-----	-----	292
Marble and tiling.....	864,700	727,594	84.1	9,604	-----	-----	89,779	941	566,179	20,390	22,044	3,410	150	-----
Excavating.....	6,100	6,100	100.0	2,000	-----	-----	-----	-----	-----	-----	2,000	-----	-----	-----
Highway.....	137,796	110,000	79.8	60,000	-----	-----	-----	-----	-----	-----	50,000	-----	-----	-----
Metal work, n. e. s.....	3,002,657	2,962,657	98.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	14,637
Flooring, n. e. s.....	87,543	87,543	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
BALTIMORE	26,033,074	17,667,919	67.9	\$1,443,013	\$63,256	\$180,315	\$188,897	\$3,782	\$736,441	\$6,659	\$1,146,890	\$75,764	\$86,384	\$71,665
Operative builders.....	1,073,197	440,495	41.0	23,406	143,437	-----	2,720	4,878	6,682	-----	20,900	23,830	3,412	815
General contractors.....	11,013,894	6,668,830	60.5	1,290,209	314,417	8,723	89,854	10,707	13,011	1,878	960,394	22,511	11,415	790,921
Building.....	6,741,540	3,250,798	48.2	312,832	284,610	8,723	89,132	10,707	13,011	90	333,548	22,370	11,415	586,302
Building not specialized.....	5,618,696	2,068,079	37.5	234,169	18,355	3,820	1,000	3,240	5,420	-----	244,676	1,401	1,625	574,046
Commercial building only.....	364,026	364,026	100.0	30,806	161,111	-----	83,109	248	-----	-----	52,084	-----	-----	700
Residential building only.....	858,824	818,693	95.3	48,357	105,150	4,903	5,023	7,279	7,591	90	36,788	20,069	9,790	12,346
Highway.....	466,789	432,174	92.8	173,667	-----	-----	-----	-----	-----	-----	102,837	-----	-----	35,075
Bridge and culvert.....	1,021,000	921,000	90.2	150,000	-----	-----	-----	-----	-----	-----	200,000	-----	-----	150,000
Grading.....	26,544	26,544	100.0	15,225	200	-----	-----	-----	-----	-----	10,900	141	-----	-----
Street paving.....	1,031,181	717,143	69.5	351,010	8,165	-----	-----	-----	-----	-----	228,647	-----	-----	-----
Sewer, gas, water, conduit.....	268,320	129,904	48.4	14,650	-----	-----	-----	-----	-----	-----	27,743	-----	-----	-----
Waterworks.....	96,457	96,457	100.0	20,000	15,000	-----	-----	-----	-----	-----	-----	-----	-----	12,000
Dredging, river, harbor, etc.....	558,623	409,000	73.2	125,000	-----	-----	-----	-----	-----	-----	20,000	-----	-----	-----
Railroad.....	743,524	674,906	90.8	122,033	6,430	-----	722	-----	-----	1,788	21,607	-----	-----	7,454
Foundation.....	10,904	10,904	100.0	5,792	-----	-----	-----	-----	-----	-----	5,112	-----	-----	-----
Subcontractors.....	13,945,983	10,558,594	75.7	120,398	345,402	151,592	96,323	8,137	716,848	3,781	175,396	20,423	71,557	70,920
Carpentering and wood flooring.....	22,426	16,253	72.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Concreting.....	34,624	34,624	100.0	13,903	100	-----	-----	138	-----	-----	18,922	71	-----	-----
Electrical.....	883,815	883,815	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Elevator construction.....	1,260,439	1,260,439	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Heating and plumbing.....	4,945,060	2,766,122	55.9	100	-----	-----	-----	-----	-----	-----	3,805	-----	-----	-----
Heating and piping.....	2,985,019	1,343,113	45.0	-----	-----	-----	-----	-----	-----	-----	3,530	-----	-----	-----
Pipe covering.....	62,429	62,429	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Plumbing.....	1,351,843	1,228,037	90.8	100	-----	-----	-----	-----	-----	-----	275	-----	-----	-----
Plumbing and heating combined.....	513,230	132,543	25.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Masonry.....	1,019,071	638,761	67.6	29,278	345,302	151,592	6,244	-----	14,691	3,781	73,861	6,957	1,244	-----
Painting and decorating.....	198,074	198,074	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	6,310	-----
Plastering and lathing.....	138,434	138,434	100.0	11,657	-----	-----	300	-----	-----	-----	2,541	18,985	63,853	-----
Roofing and sheet-metal work.....	966,973	484,967	50.2	1,007	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Roofing.....	660,169	290,163	44.0	1,007	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Sheet-metal work.....	195,560	183,560	93.9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Roofing and sheet metal combined.....	111,244	11,244	10.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Steel erection.....	165,000	95,000	39.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	65,000
Stone work.....	241,601	166,601	64.8	2,630	-----	-----	-----	7,068	135,978	-----	2,223	-----	-----	292
Marble and tiling.....	844,370	707,204	83.8	9,604	-----	-----	89,779	941	566,179	-----	22,044	3,410	150	-----
Excavating.....	6,100	6,100	100.0	2,000	-----	-----	-----	-----	-----	-----	2,000	-----	-----	-----
Highway.....	137,796	110,000	79.8	60,000	-----									

CONSTRUCTION—MARYLAND

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

CLASSIFICATION OF ESTABLISHMENTS	Reinforcing steel	Cast iron, miscellaneous, excluding pipe	Metal doors, windows, and trim	Metal and wire lath and furring	Ornamental metal work	Lumber, rough and finished	Laths, shingles, and shakes	Mill-work	Composition board	Water-proofing materials	Hardware, rough and finished	Paints, varnishes, and glass	Roofing and sheet metal	Finished flooring, n. e. s.	Screens, shades, awnings, etc.
MARYLAND	\$377, 102	\$22, 478	\$2, 939, 537	\$45, 321	\$4, 528	\$1, 984, 100	\$22, 088	\$565, 009	\$80, 213	\$32, 459	\$185, 294	\$281, 801	\$562, 842	\$122, 371	\$36, 375
Operative builders.....	29		199	90		158, 678	4, 133	40, 253	2, 045	380	16, 351	6, 401	6, 350	3, 505	4, 158
General contractors.....	374, 516	21, 836	31, 816	9, 459	4, 528	1, 761, 914	15, 794	512, 255	15, 465	18, 839	161, 148	59, 130	51, 125	31, 733	17, 318
Building.....	188, 195	4, 603	31, 816	9, 459	4, 528	1, 005, 011	15, 794	507, 254	15, 465	10, 522	125, 096	53, 092	45, 125	31, 733	17, 318
Building not specialized.....	187, 658	4, 543	27, 763	8, 591	4, 440	627, 143	7, 084	361, 298	9, 290	9, 802	61, 083	35, 103	31, 733	10, 335	4, 997
Commercial building only.....						21, 440		9, 563	900		4, 995	3, 065	1, 827		90
Residential building only.....	537	60	4, 053	868	79	357, 328	8, 710	136, 397	5, 275	720	29, 018	14, 859	11, 565	20, 308	12, 231
Highway.....	40, 570	11, 233				39, 541				685	6, 129				
Bridge and culvert.....	85, 000					300, 000		5, 000		6, 000					
Grading.....										72					
Street paving.....	14, 472	6, 000				13, 339						1, 047			
Sewer, gas, water, conduit.....	3, 525					12, 820									
Waterworks.....	10, 000					12, 000				1, 000		5, 000	6, 000		
Dredging, river, harbor, etc.....						165, 000									
Railroad.....	32, 764					213, 303				1, 110	28, 923				
Subcontractors.....	2, 617	642	2, 907, 522	35, 772		45, 508	2, 761	3, 500	62, 708	13, 690	7, 795	216, 151	505, 367	87, 543	14, 899
Carpentering and wood flooring.....						13, 132									
Concreting.....	1, 617					3, 176				35	576				
Electrical.....												10, 000			
Heating and plumbing.....		642							61, 720			8, 989	23, 021		
Heating and piping.....												8, 889	13, 773		
Pipe covering.....									61, 720						
Plumbing.....		642										100	3, 562		
Plumbing and heating combined.....													5, 680		
Masonry.....				215		17, 444			783		240				200
Painting and decorating.....												191, 764			
Plastering and lathing.....				31, 382		514	761		241		200				
Roofing and sheet-metal work.....			7, 966				2, 000				12, 678		2, 580	480, 194	
Roofing.....											12, 678			265, 335	
Sheet-metal work.....			7, 966				2, 000						2, 580	203, 615	
Roofing and sheet metal combined.....														11, 244	
Stone work.....						95		3, 500		777	1, 000		19	2, 152	
Marble and tiling.....				4, 175											
Excavating.....	1, 000					1, 100									
Metal work, n. e. s.....			2, 899, 550			10, 047					5, 973		2, 719		14, 699
Flooring, n. e. s.....														87, 543	
BALTIMORE	338, 341	15, 200	*2, 932, 649	36, 682	1, 385	1, 610, 260	13, 511	395, 941	65, 836	29, 654	147, 343	258, 169	486, 474	113, 220	28, 715
Operative builders.....						121, 453	3, 450	33, 286		328	11, 402	5, 333	4, 704	3, 595	552
General contractors.....	336, 230	14, 558	25, 127	1, 125	1, 385	1, 445, 969	7, 300	354, 155	3, 866	15, 039	128, 618	36, 685	21, 739	22, 082	13, 264
Building.....	180, 333	4, 285	25, 127	1, 125	1, 385	708, 017	7, 300	349, 156	3, 866	8, 454	98, 605	30, 638	15, 739	22, 082	13, 264
Building not specialized.....	179, 868	4, 225	21, 074	1, 000	1, 385	416, 137	300	223, 215	2, 316	8, 274	71, 113	14, 164	3, 047	2, 000	2, 299
Commercial building only.....						18, 182		7, 913			4, 020	3, 065	1, 827		90
Residential building only.....	475	60	4, 053	125		273, 648	7, 000	118, 027	1, 550	180	23, 562	13, 400	9, 965	20, 082	10, 875
Highway.....	16, 175	10, 273				25, 000									
Bridge and culvert.....	85, 000					300, 000		5, 000		6, 000					
Grading.....										72					
Street paving.....	8, 452					9, 829						1, 047			
Sewer, gas, water, conduit.....	3, 525					12, 820									
Waterworks.....	10, 000					12, 000				1, 000		5, 000	6, 000		
Dredging, river, harbor, etc.....						165, 000									
Railroad.....	32, 764					213, 303				1, 110	28, 923				
Subcontractors.....	2, 102	642	2, 907, 522	35, 557		42, 838	2, 761	3, 500	61, 970	13, 690	7, 323	216, 151	459, 971	87, 543	14, 899
Carpentering and wood flooring.....						13, 132									
Concreting.....	1, 102					506				35	104				
Electrical.....												10, 000			
Heating and plumbing.....		642							61, 720			8, 989	22, 125		
Heating and piping.....												8, 889	12, 877		
Pipe covering.....									61, 720						
Plumbing.....		642										100	3, 562		
Plumbing and heating combined.....													5, 680		
Masonry.....						17, 444					246				200
Painting and decorating.....												191, 764			
Plastering and lathing.....				31, 382		514	761		241		200				
Roofing and sheet-metal work.....			7, 966				2, 000				12, 678		2, 580	435, 694	
Roofing.....											12, 678			253, 436	
Sheet-metal work.....			7, 966				2, 000						2, 580	171, 014	
Roofing and sheet metal combined.....														11, 244	
Stone work.....						95		3, 500		777	1, 000		19	2, 152	
Marble and tiling.....				4, 175											
Excavating.....	1, 000					1, 100									
Metal work, n. e. s.....			2, 899, 556			10, 047					5, 973		2, 719		14, 699
Flooring, n. e. s.....														87, 543	

See footnotes at end of table.

CONSTRUCTION—MARYLAND

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

CLASSIFICATION OF ESTABLISHMENTS	Heating and ventilating equipment	Plumbing and gas fitting equipment	Electrical appliances and supplies	Elevators, dumb-waiters, etc.	Pipe: Drain tile, vitrified, concrete, etc.	Pipe: Cast iron, sheet and tube steel, etc.	Wire cable, guards, and fencing	Bituminous paving materials	Wood piling and timber	Freight, hauling, or trucking to job	Chemicals and chemical products	Metal products, n. e. s.	Sealing materials	Miscellaneous
MARYLAND	\$1,089,761	\$1,266,775	\$1,010,253	\$1,263,620	\$111,289	\$138,099	\$10,950	\$208,904	\$303,782	\$62,375	\$7,106	\$20,525	\$4,642	\$107,921
Operative builders.....	7,413	11,372	8,062		1,003							372		600
General contractors.....	87,039	71,657	23,087	3,181	79,388	140,520	10,500	207,192	303,782	49,396	7,106		3,876	97,676
Building.....	87,039	67,200	22,845	3,181	8,089	7,424		4,336						9,138
Building not specialized.....	52,389	39,322	12,534	3,066	3,257	7,135		4,306						526
Commercial building only.....		671	231		549	289								331
Residential building only.....	35,250	27,207	10,080	115	4,283			30						8,281
Highway.....					48,549	74,539	500	76,714		44,567	7,106			13,040
Bridge and culvert.....					15,000		10,000							
Street paving.....			242		6,750	14,800		126,142		707				8,000
Sewer, gas, water, conduit.....						33,757				4,122			3,876	33,498
Waterworks.....		4,457			1,000	10,000								
Dredging, river, harbor, etc.....								65,000						34,000
Railroad.....								238,782						
Subcontractors.....	1,594,709	1,212,740	970,109	1,260,439	30,893	47,579	450	1,712		12,979		20,153	766	9,645
Carpentering and woodflooring.....														3,121
Concreting.....		18	19		473									
Electrical.....		10,000	905,002											
Elevator construction.....				1,260,439										
Heating and plumbing.....	1,588,253	1,187,504	73,938		4,508	47,579	450	250		970			766	108
Heating and piping.....	1,063,702	190,397	67,317		1,108	21,033				970			706	
Pipe covering.....							450	250						
Plumbing.....	462,079	914,303	100		3,400	22,540								108
Plumbing and heating combined.....	62,472	82,804	6,521			4,000								
Masonry.....					25,912					12,009				
Roofing and sheet-metal work.....	6,456	15,064						1,462						
Roofing.....	6,456	15,064						1,462						
Stone work.....		100	150											
Marble and tiling.....												5,127		5,795
Metal work, n. e. s.....												15,026		
BALTIMORE	\$1,550,173	\$1,121,285	\$62,755	\$1,260,704	\$1,520	\$110,716	\$10,450	\$112,478	\$303,782	\$62,375		\$20,525	\$4,642	\$81,288
Operative builders.....	5,967	9,979	3,530		904							372		600
General contractors.....	37,106	38,251	11,303	205	30,831	70,383	10,000	110,766	303,782	40,396			3,876	71,023
Building.....	37,106	33,794	11,061	205	6,964	7,299		4,336						7,612
Building not specialized.....	6,356	7,516	1,500	150	2,132	7,010		4,306						
Commercial building only.....		671	231		549	289								331
Residential building only.....	30,750	25,607	9,330	115	4,283			30						7,281
Highway.....					4,067	15,527		4,086		44,567				
Bridge and culvert.....					15,000		10,000							
Street paving.....			242		3,800	3,800		101,444		707				
Sewer, gas, water, conduit.....						33,757				4,122			3,876	29,411
Waterworks.....		4,457			1,000	10,000								
Dredging, river, harbor, etc.....								65,000						34,000
Railroad.....								238,782						
Subcontractors.....	1,597,100	1,073,055	937,922	1,260,439	29,785	40,333	450	1,712		12,979		20,153	766	9,645
Carpentering and woodflooring.....														3,121
Concreting.....		18	19		473									
Electrical.....		10,000	863,815											
Elevator construction.....				1,260,439										
Heating and plumbing.....	1,500,644	1,047,873	73,938		3,400	40,333	450	250		970			766	108
Heating and piping.....	1,044,266	183,465	67,317			21,033				970			706	
Pipe covering.....							450	250						
Plumbing.....	408,906	701,544	100		3,400	19,300								108
Plumbing and heating combined.....	47,472	72,804	6,521											
Masonry.....					25,912					12,009				
Roofing and sheet-metal work.....	6,456	15,064						1,462						
Roofing.....	6,456	15,064						1,462						
Stone work.....		100	150											
Marble and tiling.....												5,127		5,795
Metal work, n. e. s.....												15,026		

1 Certain establishments did not give a distribution of the cost of their materials by separate items. Amounts reported by such establishments engaged in the following lines of work have been included as indicated in the figures shown for "Total cost of all materials."
 2 Automatic temperature control, \$27,539.
 3 See footnote 3 of Table 9, on page 544.

CONSTRUCTION—MARYLAND

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	MARYLAND (1930 population, 1,631,526)							BALTIMORE (1930 population, 804,874)			REMAINDER OF STATE (1930 population, 826,652)		
	Known contracting establishments			Volume of business reported				Volume of business			Volume of business		
	Total number	Active in 1929		Number of reporting establishments	Per cent of active	Amount	Average per establishment	Total number active in 1929	Number of reporting establishments	Amount	Total number active in 1929	Number of reporting establishments	Amount
		Number	Per cent										
Total establishments canvassed (less than \$25,000).....	1,822	1,822					1,485			347			
Total establishments, type of work unknown.....	73	73					23	1	\$0,895	50	3	\$80,000	
Total general contractors and subcontractors classified.....	1,750	1,750	100.0				1,462			297			
Total general contractors classified.....	355	355	20.2	31	8.7	432,126	13,940	285	15	181,006	90	16	250,520
Building.....	339	339	19.3	31	9.1	432,126	13,940	259	15	181,006	80	16	250,520
Highway.....	8	8	.5								8		
Bridge and culvert.....	6	6	.3										
Sewer, gas, water, conduit.....	2	2	.1					6			2		
Total subcontractors classified.....	1,404	1,404	79.8	104	7.4	920,710	8,863	1,197	71	600,509	207	33	230,111
Carpentering.....	109	109	6.2	9	8.3	71,017	7,891	93	7	67,517	16	2	3,500
Concreting.....	17	17	1.0	1	5.9	10,135	10,135	12			5	1	10,135
Electrical.....	169	169	9.6	19	11.2	175,518	9,238	137	12	148,396	32	6	27,122
Heating, ventilating, and piping.....	36	36	2.0					36					
Masonry.....	17	17	1.0	6	35.3	53,197	8,866	3	1	6,000	14	5	47,197
Painting and decorating.....	456	456	25.9	19	4.2	127,553	6,713	413	13	101,728	43	6	24,825
Glass and glazing.....	7	7	.4					5			2		
Plastering.....	47	47	2.7	3	6.4	37,819	12,606	38	2	23,819	9	1	14,000
Plumbing and heating.....	374	374	21.3	30	8.0	308,014	10,267	307	23	240,682	67	7	67,332
Sheet metal and roofing.....	96	96	5.5	11	11.5	80,043	7,277	84	8	57,048	12	3	23,000
Stone work.....	2	2	.1					2					
Marble and tiling.....	13	13	.7	2	15.4	31,780	15,890	9	1	21,780	4	1	10,000
Wrecking.....	3	3	.2					3					
Excavating and grading.....	1	1	.1								1		
Ornamental iron.....	54	54	3.1	4	7.4	25,629	0,407	53	3	23,029	1	1	2,000
Miscellaneous subcontractors.....	3	3	.2					2			1		

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

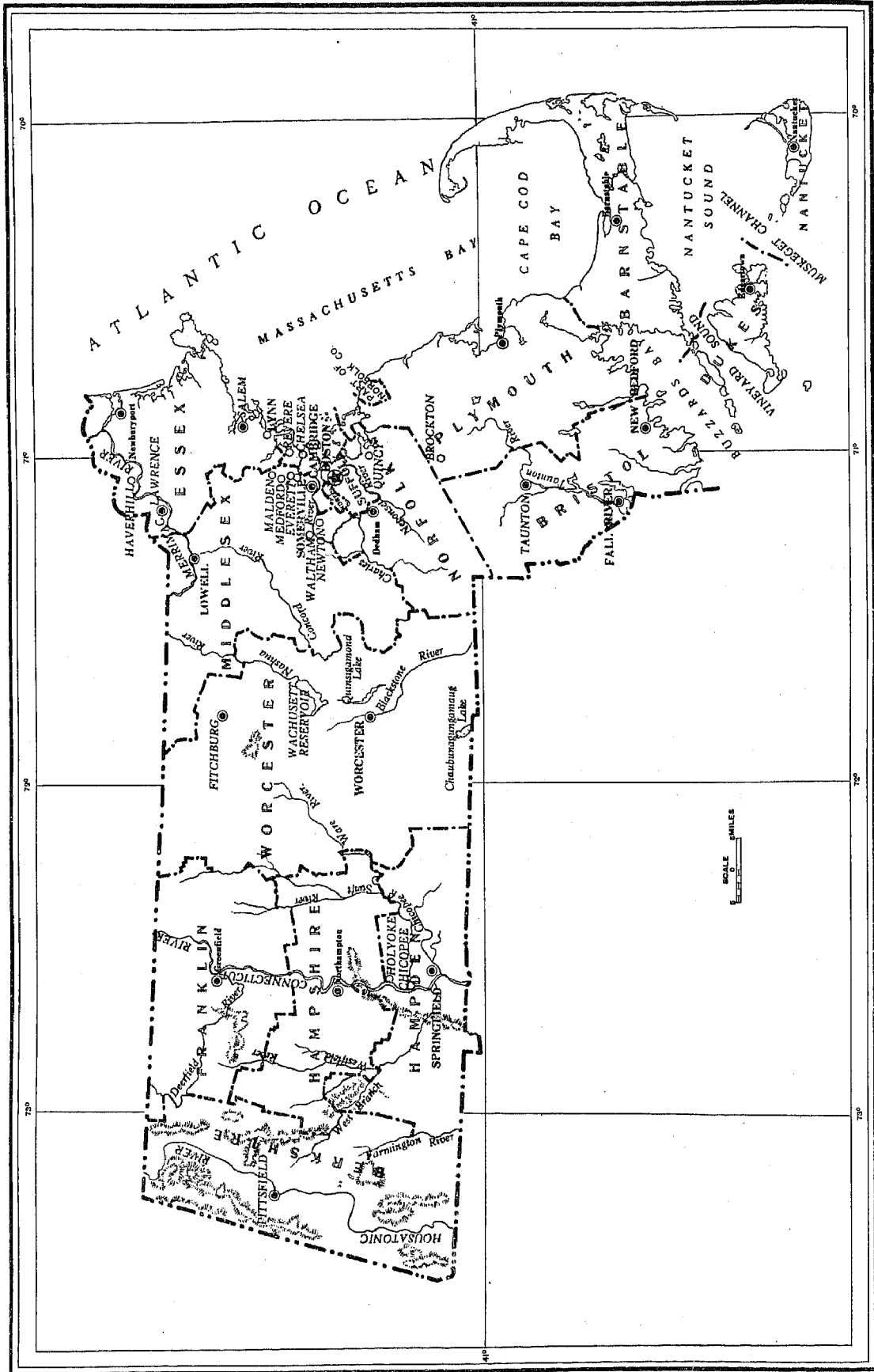
CLASSIFICATION	Total	Less than \$2,500	\$2,500 to \$4,999	\$5,000 to \$7,499	\$7,500 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$17,499	\$17,500 to \$19,999	\$20,000 to \$22,499	\$22,500 to \$24,999
MARYLAND											
Total general contractors and subcontractors.....	130	15	24	23	11	20	10	15	5	6	0
General contractors.....	31	2		4	1	5	4	7	2	2	4
Subcontractors.....	104	12	24	19	8	15	6	8	3	3	3
Type of contracting unknown.....	4	1			2					1	

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TABLE 1.—VALUE OF CONSTRUCTION BUSINESS DURING 1929, AND PRINCIPAL ITEMS OF EXPENDITURE
 [Values expressed in thousands]

AREA, CLASSIFICATION OF ESTABLISHMENTS, AND SIZE OF BUSINESS GROUPS	Number of establishments	VALUE OF CONSTRUCTION BUSINESS					PRINCIPAL EXPENDITURES						
		Total	Under general contract or directly for owner	Under 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
MASSACHUSETTS	1,434	\$306,094	\$255,229	\$50,805	\$76,318	\$81,454	\$88,448						
Counties and principal cities													
Counties:													
Barnstable	18	1,680	1,383	297	200	541	582						
Berkshire	41	3,622	3,009	693	525	1,255	1,170						
Bristol	80	7,294	6,111	1,123	919	2,240	2,646						
Dukes	7	549	504	42	59	150	234						
Essex	148	13,590	10,884	2,712	2,557	3,783	4,363						
Franklin	20	2,425	2,152	273	297	671	1,036						
Hampden	107	34,839	31,019	3,820	11,203	8,334	9,900						
Hampshire	16	1,480	1,372	108	346	367	525						
Middlesex	283	39,270	30,054	9,188	6,608	10,105	13,196						
Nantucket	9	408	258	210	197	207	207						
Norfolk	96	9,318	5,079	3,339	1,191	2,300	3,587						
Plymouth	45	3,469	2,710	753	270	1,115	1,179						
Suffolk	441	162,520	137,302	25,218	47,883	42,001	40,656						
Worcester	117	25,589	22,399	3,190	4,198	7,349	9,167						
Principal cities:													
Boston	420	162,410	137,778	24,632	47,862	42,400	40,293						
Cambridge	51	13,371	9,258	4,113	2,107	2,079	5,257						
Fall River	37	3,578	2,964	600	512	1,064	1,300						
Lowell	18	1,529	1,396	430	225	552	733						
Lynn	49	4,708	3,088	720	1,326	940	1,490						
New Bedford	24	1,558	1,007	351	155	405	476						
Somerville	25	2,177	1,744	433	487	602	674						
Springfield	62	27,484	25,488	1,996	10,460	6,188	6,903						
Worcester	53	15,142	12,921	2,220	3,002	3,961	5,234						
Classification of establishments													
Operative builders	40	3,631	3,631		1,665	510	920						
General contractors	605	222,120	221,007	1,121	72,365	56,631	52,659						
Building	468	129,484	129,100	285	46,144	31,807	32,713						
Building not specialized	352	117,932	117,047	285	42,038	28,956	29,305						
Commercial building only	23	3,218	3,218		076	800	885						
Manufacturing building only	4	703	703		210	221	204						
Residential building only	89	8,171	8,171		2,020	1,830	2,310						
Highway	40	10,731	10,578	153	961	3,162	3,415						
Bridge, culvert, and railroad	17	5,098	4,662	436	260	1,813	1,777						
Grading	17	1,997	1,923	74	50	932	326						
Street paving	13	4,980	4,842	144	503	1,294	1,480						
Sewer, gas, water, conduit	14	2,292	2,276	16	6	1,170	423						
Dam and reservoir	4	1,399	1,399			600	224						
Waterworks	3	183	183			32	101						
Dredging, river, harbor, etc.	8	2,849	2,849			999	805						
Foundation	4	249	249			1	84						
Central station, light and power plant	8	62,609	62,609		24,122	14,502	11,271						
Other classes	3	261	238	18	2	105	46						
Subcontractors	780	80,335	30,591	49,744	2,200	24,413	34,860						
Carpentering and wood-flooring	9	711	295	86	230	260	260						
Concrete	17	1,780	523	1,257	206	671	317						
Electrical	128	10,299	3,943	6,456	8	3,010	4,207						
Elevator construction	8	3,566	335	2,731	128	592	2,317						
Heating and plumbing	330	30,580	14,483	16,097	1,271	7,427	15,714						
Heating and piping	100	18,864	7,287	6,577	1,075	2,823	7,032						
Plumbing	150	10,603	4,159	6,444	110	3,002	5,480						
Plumbing and heating combined	80	0,113	3,037	3,076	86	1,003	3,152						
Masonry	30	1,794	920	874	113	717	617						
Painting and decorating	69	5,374	1,669	3,705	13	2,990	911						
Glass and glazing	14	927	355	572	3	236	419						
Plastering and lathing	24	2,227	161	2,066	190	1,090	514						
Roofing and sheet metal work	79	0,646	1,053	4,093	104	1,840	2,908						
Roofing	30	1,801	1,106	695	28	422	633						
Sheet metal work	25	2,890	616	2,275	50	743	1,506						
Roofing and sheet metal combined	24	1,955	232	1,723	20	676	807						
Steel erection	10	2,390	134	2,226	47	562	1,111						
Stone work	4	300		300		107	61						
Marble and tiling	26	4,813	890	3,923	97	1,450	2,258						
Wrecking	5	699		699		357	1						
Excavating and grading	13	1,066	54	1,013	10	437	47						
Ornamental iron	14	1,809	446	1,423	20	399	886						
Foundation	3	316	2	314		110	52						
Other classes	6	4,908	3,809	1,099		1,581	2,131						
Size of business groups													
General contractors	645	225,760	224,638	1,121	74,020	57,041	53,679						
\$25,000 to \$49,999	149	5,530	5,490	40	953	1,703	1,920						
\$50,000 to \$99,999	166	11,081	11,571	110	2,458	3,441	3,493						
\$100,000 to \$199,999	142	20,484	20,134	300	5,058	5,793	5,715						
\$200,000 to \$499,999	130	39,475	39,410	59	11,249	11,134	10,055						
\$500,000 to \$999,999	29	19,105	18,990	145	4,612	5,648	5,113						
\$1,000,000 and over	20	129,485	129,018	467	40,692	29,320	27,273						
MASSACHUSETTS—Con.													
Size of business groups—Continued													
General contractors—Contd.													
Building contractors	508	\$133,115	\$132,830	\$235	\$47,809	\$32,317	\$33,633						
\$25,000 to \$49,999	130	4,829	4,795	34	949	1,415	1,724						
\$50,000 to \$99,999	131	9,009	9,018	51	2,405	2,437	2,758						
\$100,000 to \$199,999	114	16,497	16,341	160	4,875	4,425	4,582						
\$200,000 to \$499,999	93	28,997	28,053	44	10,486	7,245	6,056						
\$500,000 to \$999,999	20	13,100	13,100		4,249	3,461	3,519						
\$1,000,000 and over	20	60,924	60,924		24,845	13,334	14,093						
Subcontractors	789	80,335	30,591	49,744	2,206	24,413	34,869						
\$25,000 to \$49,999	350	12,547	5,470	7,077	107	4,276	4,856						
\$50,000 to \$99,999	239	16,001	0,222	10,379	260	5,303	7,103						
\$100,000 to \$199,999	128	17,152	0,275	10,877	448	5,455	6,962						
\$200,000 to \$499,999	60	18,300	4,612	13,754	749	5,364	8,188						
\$500,000 to \$999,999	11	7,535	2,502	5,033	326	1,852	3,784						
\$1,000,000 and over	4	8,135	5,612	2,623	406	2,162	3,991						
BOSTON													
Classification of establishments													
Operative builders	3	721	721		301	174	152						
General contractors	170	128,313	127,895	418	46,308	31,400	26,270						
Building	132	56,300	56,117	183	21,340	13,656	12,290						
Building not specialized	107	51,417	51,234	183	10,335	12,580	11,156						
Commercial building only	13	2,149	2,140		670	563	630						
Residential building only	12	2,734	2,734		1,326	523	510						
Highway and grading	7	2,331	2,768	63	510	952	748						
Bridge, culvert, and railroad	8	2,562	2,531	30	59	1,174	571						
Street paving	9	2,220	2,778	142	333	890	783						

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
CAMBRIDGE	51	\$18,371	\$6,258	\$4,113	\$2,107	\$2,979	\$5,257	LOWELL—Continued							
<i>Classification of establishments</i>								<i>Size of business groups</i>							
General contractors ⁹	22	6,545	6,076	409	1,485	1,455	2,020	General contractors.....							
Building ⁹	18	3,114	3,110	4	1,220	841	650	\$25,000 to \$49,999.....							
Other classes ⁹	4	3,431	2,966	465	250	614	1,371	\$50,000 to \$99,999.....							
Subcontractors.....	29	6,826	3,183	3,644	622	1,624	3,236	\$100,000 to \$199,999.....							
Concreting and stone work.....	3	670	167	413	180	150	68	\$200,000 to \$499,999.....							
Electrical.....	3	346	340	6	68	173	68	\$500,000 to \$999,999.....							
Heating and plumbing.....	12	3,826	2,557	1,269	440	795	1,962	\$1,000,000 and over.....							
Heating and piping ¹⁰	8	3,423	2,507	916	440	642	1,771	Building contractors.....							
Plumbing.....	4	403	50	353	---	152	191	\$25,000 to \$49,999.....							
Roofing and sheet metal work.....	3	542	38	503	---	113	327	\$50,000 to \$99,999.....							
Other classes ¹⁰	8	1,642	430	1,112	2	398	716	\$100,000 to \$199,999.....							
<i>Size of business groups</i>								\$200,000 to \$499,999.....							
General contractors ⁹	22	6,545	6,076	409	1,485	1,455	2,020	\$500,000 to \$999,999.....							
\$25,000 to \$49,999.....	2	71	71	---	13	20	25	\$1,000,000 and over.....							
\$50,000 to \$99,999.....	5	363	303	---	58	97	147	Subcontractors.....							
\$100,000 to \$199,999.....	6	980	921	59	351	236	132	\$25,000 to \$49,999.....							
\$200,000 to \$499,999.....	7	2,099	2,095	4	810	639	403	\$50,000 to \$99,999.....							
\$500,000 to \$999,999.....	2	3,032	2,626	406	253	463	1,313	\$100,000 to \$199,999.....							
\$1,000,000 and over.....	18	3,114	3,110	4	1,229	841	650	\$200,000 to \$499,999.....							
Building contractors ⁹	2	71	71	---	13	20	25	\$500,000 to \$999,999.....							
\$25,000 to \$49,999.....	5	363	303	---	58	97	147	\$1,000,000 and over.....							
\$50,000 to \$99,999.....	5	849	849	---	348	204	101	Operative builders.....							
\$200,000 to \$499,999.....	6	1,831	1,827	4	810	521	377	General contractors ¹⁴							
\$500,000 to \$999,999.....	20	6,826	3,183	3,644	622	1,624	3,236	Subcontractors.....							
\$1,000,000 and over.....	6	203	84	119	2	70	79	Electrical.....							
Subcontractors.....	7	562	228	334	30	157	224	Heating and plumbing.....							
\$25,000 to \$49,999.....	6	844	209	635	4	193	315	Heating and piping.....							
\$50,000 to \$99,999.....	6	844	209	635	4	193	315	Plumbing and heating combined.....							
\$100,000 to \$199,999.....	9	3,994	839	2,555	180	707	1,893	Painting, decorating, and glazing.....							
\$200,000 to \$499,999.....	1	1,822	1,822	---	400	338	725	Roofing and sheet metal work.....							
\$500,000 to \$999,999.....	3	542	38	503	---	113	327	Other classes ¹⁵							
\$1,000,000 and over.....	3	1,642	430	1,112	2	398	716	General contractors ⁶							
FALL RIVER	37	3,573	2,984	609	512	1,084	1,300	\$25,000 to \$49,999.....							
General contractors.....	15	2,293	2,270	17	492	690	659	\$50,000 to \$99,999.....							
Building.....	11	1,570	1,569	1	479	420	437	\$100,000 to \$199,999.....							
Other classes ¹¹	4	723	707	16	13	271	221	\$200,000 to \$499,999.....							
Subcontractors.....	22	1,280	689	592	20	374	641	\$500,000 to \$999,999.....							
Electrical.....	3	290	80	210	---	87	149	\$1,000,000 and over.....							
Heating and plumbing.....	10	555	430	125	12	124	318	Building contractors ¹⁶							
Plumbing.....	6	213	91	122	---	52	111	\$25,000 to \$49,999.....							
Plumbing and heating combined.....	4	342	339	3	12	72	208	\$50,000 to \$99,999.....							
Painting, decorating, and glazing.....	3	155	61	93	---	65	48	\$100,000 to \$199,999.....							
Other classes ¹²	6	280	118	162	8	98	126	\$200,000 to \$499,999.....							
<i>Size of business groups</i>								\$500,000 to \$999,999.....							
General contractors.....	15	2,293	2,270	17	492	690	659	\$1,000,000 and over.....							
\$25,000 to \$49,999.....	2	64	63	1	9	24	24	Subcontractors.....							
\$50,000 to \$99,999.....	4	209	253	16	47	82	70	Painting, decorating, and glazing.....							
\$100,000 to \$199,999.....	5	789	789	---	278	211	204	Heating and plumbing.....							
\$200,000 to \$499,999.....	4	1,171	1,171	---	168	373	360	Other classes ¹⁷							
\$500,000 to \$999,999.....	2	591	501	---	145	105	179	Size of business groups							
\$1,000,000 and over.....	11	1,570	1,569	1	479	420	437	General contractors.....							
Building contractors.....	2	64	63	1	9	24	24	\$25,000 to \$49,999.....							
\$25,000 to \$49,999.....	2	128	120	---	47	19	30	\$50,000 to \$99,999.....							
\$50,000 to \$99,999.....	5	789	789	---	278	211	204	\$100,000 to \$199,999.....							
\$100,000 to \$199,999.....	2	591	501	---	145	105	179	\$200,000 to \$499,999.....							
\$200,000 to \$499,999.....	22	1,280	689	592	20	374	641	\$500,000 to \$999,999.....							
\$25,000 to \$49,999.....	12	425	176	249	2	127	199	\$1,000,000 and over.....							
\$50,000 to \$99,999.....	7	454	256	198	7	159	201	Subcontractors.....							
\$100,000 to \$199,999.....	3	400	257	143	11	89	242	Painting, decorating, and glazing.....							
\$200,000 to \$499,999.....	10	609	179	430	5	185	279	Heating and plumbing.....							
\$500,000 to \$999,999.....	5	232	148	84	1	71	128	Other classes ¹⁸							
\$1,000,000 and over.....	5	377	31	346	4	114	150	General contractors.....							
LOWELL	18	1,826	1,396	430	225	552	733	\$25,000 to \$49,999.....							
<i>Classification of establishments</i>								\$50,000 to \$99,999.....							
General contractors.....	8	1,217	1,217	---	220	366	455	\$100,000 to \$199,999.....							
Building.....	8	1,217	1,217	---	220	366	455	\$200,000 to \$499,999.....							
Subcontractors.....	10	609	179	430	5	185	279	\$500,000 to \$999,999.....							
Heating and plumbing.....	5	232	148	84	1	71	128	\$1,000,000 and over.....							
Other classes ¹⁸	5	377	31	346	4	114	150	Building contractors.....							
								\$25,000 to \$49,999.....							
								\$50,000 to \$99,999.....							
								\$100,000 to \$199,999.....							
								\$200,000 to \$499,999.....							
								\$500,000 to \$999,999.....							
								\$1,000,000 and over.....							

See footnotes at end of table.

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

[Values expressed in thousands]

AREA, CLASSIFICATION OF ESTABLISHMENTS, AND SIZE OF BUSINESS GROUPS	Number of establishments	VALUE OF CONSTRUCTION BUSINESS			PRINCIPAL EXPENDITURES			AREA, CLASSIFICATION OF ESTABLISHMENTS, AND SIZE OF BUSINESS GROUPS	Number of establishments	VALUE OF CONSTRUCTION BUSINESS			PRINCIPAL EXPENDITURES		
		Total	Under general contract or directly for owner	Under sub-contract	Sub-contract work let	Wages paid	Cost of materials			Total	Under general contract or directly for owner	Under sub-contract	Sub-contract work let	Wages paid	Cost of materials
NEW BEDFORD—Con.							SPRINGFIELD—Contd.								
<i>Size of business group—Continued</i>							<i>Size of business groups</i>								
Subcontractors.....	16	\$630	\$279	\$351	\$3	\$182	\$254	General contractors ¹	25	\$24,375	\$24,373	\$2	\$10,353	\$5,225	\$5,519
\$25,000 to \$49,999.....	13	453	256	197	3	147	171	\$25,000 to \$49,999.....	5	156	154	2	15	60	54
\$50,000 to \$99,999.....	3	177	23	154	---	33	83	\$50,000 to \$99,999.....	0	406	406	---	84	142	107
\$100,000 to \$199,999.....	---	---	---	---	---	---	---	\$100,000 to \$199,999.....	4	603	603	---	165	109	235
\$200,000 to \$499,999.....	---	---	---	---	---	---	---	\$200,000 to \$499,999.....	4	1,274	1,274	---	223	500	247
\$500,000 to \$999,999.....	---	---	---	---	---	---	---	\$500,000 to \$999,999.....	2	1,188	1,188	---	160	420	258
\$1,000,000 and over.....	---	---	---	---	---	---	---	\$1,000,000 and over.....	4	20,749	20,749	---	9,706	3,904	4,019
SOMERVILLE.....	26	2,177	1,744	433	487	602	874	Building contractors ²	22	23,851	23,849	2	10,353	4,873	5,465
<i>Classification of establishments</i>							<i>Classification of establishments</i>								
Operative builders.....	3	418	418	---	162	57	121	\$25,000 to \$49,999.....	5	156	154	2	15	60	54
General contractors.....	7	775	772	3	322	106	183	\$50,000 to \$99,999.....	4	300	300	---	84	101	77
Building.....	4	419	416	3	247	59	73	\$100,000 to \$199,999.....	4	603	603	---	165	109	235
Other classes ¹⁸	3	356	356	---	75	137	113	\$200,000 to \$499,999.....	4	1,274	1,274	---	223	500	247
Subcontractors.....	15	985	554	431	3	350	367	\$500,000 to \$999,999.....	2	1,188	1,188	---	160	420	258
Heating and plumbing.....	8	406	301	105	3	123	212	\$1,000,000 and over.....	4	20,749	20,749	---	9,706	3,904	4,019
Plumbing.....	4	168	105	63	---	41	95	Subcontractors.....	37	3,109	1,115	1,994	113	612	1,384
Plumbing and heating combined.....	4	238	106	42	3	82	117	\$25,000 to \$49,999.....	14	558	214	344	8	189	207
Roofing and sheet metal work.....	3	270	215	55	---	60	96	\$50,000 to \$99,999.....	13	942	290	652	10	293	423
Other classes ¹⁹	4	308	38	269	---	165	59	\$100,000 to \$199,999.....	8	1,192	328	864	95	335	544
<i>Size of business groups</i>							<i>Size of business groups</i>								
General contractors ¹	10	1,192	1,100	3	484	253	307	\$200,000 to \$499,999.....	2	417	283	134	---	96	210
\$25,000 to \$49,999.....	2	77	74	3	6	16	30	\$500,000 to \$999,999.....	---	---	---	---	---	---	---
\$50,000 to \$99,999.....	3	198	198	---	22	91	64	\$1,000,000 and over.....	---	---	---	---	---	---	---
\$100,000 to \$199,999.....	3	418	418	---	162	57	121	Building contractors ²	7	837	834	3	409	115	194
\$200,000 to \$499,999.....	2	500	500	---	204	89	92	\$25,000 to \$49,999.....	2	77	74	3	6	16	30
\$500,000 to \$999,999.....	---	---	---	---	---	---	---	\$50,000 to \$99,999.....	1	84	84	---	22	27	18
\$1,000,000 and over.....	---	---	---	---	---	---	---	\$100,000 to \$199,999.....	3	418	418	---	162	57	121
Building contractors ²	7	837	834	3	409	115	194	\$200,000 to \$499,999.....	1	258	258	---	210	15	24
\$25,000 to \$49,999.....	2	77	74	3	6	16	30	\$500,000 to \$999,999.....	---	---	---	---	---	---	---
\$50,000 to \$99,999.....	3	198	198	---	22	91	64	\$1,000,000 and over.....	---	---	---	---	---	---	---
\$100,000 to \$199,999.....	3	418	418	---	162	57	121	Subcontractors.....	15	985	554	431	3	350	367
\$200,000 to \$499,999.....	2	500	500	---	204	89	92	\$25,000 to \$49,999.....	7	249	154	95	2	79	119
\$500,000 to \$999,999.....	---	---	---	---	---	---	---	\$50,000 to \$99,999.....	5	323	148	175	---	114	107
\$1,000,000 and over.....	---	---	---	---	---	---	---	\$100,000 to \$199,999.....	3	411	252	159	1	156	142
Building contractors ²	7	837	834	3	409	115	194	\$200,000 to \$499,999.....	6	2,089	2,089	---	563	713	492
\$25,000 to \$49,999.....	2	77	74	3	6	16	30	\$500,000 to \$999,999.....	1	611	611	---	202	127	205
\$50,000 to \$99,999.....	3	198	198	---	22	91	64	\$1,000,000 and over.....	3	8,488	8,488	---	2,629	2,149	2,917
\$100,000 to \$199,999.....	3	418	418	---	162	57	121	Building contractors.....	10	11,543	11,543	---	3,544	3,226	3,869
\$200,000 to \$499,999.....	2	500	500	---	204	89	92	\$25,000 to \$49,999.....	6	251	251	---	44	71	83
\$500,000 to \$999,999.....	---	---	---	---	---	---	---	\$50,000 to \$99,999.....	4	301	301	---	64	86	86
\$1,000,000 and over.....	---	---	---	---	---	---	---	\$100,000 to \$199,999.....	2	209	209	---	42	81	85
Building contractors ²	7	837	834	3	409	115	194	\$200,000 to \$499,999.....	6	2,089	2,089	---	563	713	492
\$25,000 to \$49,999.....	2	77	74	3	6	16	30	\$500,000 to \$999,999.....	1	611	611	---	202	127	205
\$50,000 to \$99,999.....	3	198	198	---	22	91	64	\$1,000,000 and over.....	3	8,488	8,488	---	2,629	2,149	2,917
\$100,000 to \$199,999.....	3	418	418	---	162	57	121	Building contractors.....	10	11,543	11,543	---	3,544	3,226	3,869
\$200,000 to \$499,999.....	2	500	500	---	204	89	92	\$25,000 to \$49,999.....	5	207	207	---	44	51	72
\$500,000 to \$999,999.....	---	---	---	---	---	---	---	\$50,000 to \$99,999.....	4	301	301	---	64	86	86
\$1,000,000 and over.....	---	---	---	---	---	---	---	\$100,000 to \$199,999.....	1	149	149	---	23	47	43
Subcontractors.....	15	985	554	431	3	350	367	\$200,000 to \$499,999.....	5	1,788	1,788	---	503	570	417
\$25,000 to \$49,999.....	7	249	154	95	2	79	119	\$500,000 to \$999,999.....	1	611	611	---	202	127	205
\$50,000 to \$99,999.....	5	323	148	175	---	114	107	\$1,000,000 and over.....	3	8,488	8,488	---	2,629	2,149	2,917
\$100,000 to \$199,999.....	3	411	252	159	1	156	142	Subcontractors.....	31	3,134	914	2,220	58	735	1,365
\$200,000 to \$499,999.....	6	2,089	2,089	---	563	713	492	Electrical.....	4	380	160	223	---	124	178
\$500,000 to \$999,999.....	1	611	611	---	202	127	205	Heating and plumbing.....	8	596	341	255	14	113	307
\$1,000,000 and over.....	3	8,488	8,488	---	2,629	2,149	2,917	Heating and piping ³	5	401	204	197	13	84	252
Building contractors.....	10	11,543	11,543	---	3,544	3,226	3,869	Plumbing.....	3	105	47	58	1	20	55
\$25,000 to \$49,999.....	6	251	251	---	44	71	83	Painting, decorating, and glazing.....	3	210	102	117	---	88	66
\$50,000 to \$99,999.....	4	301	301	---	64	86	86	Roofing and sheet metal work.....	8	488	198	290	3	110	172
\$100,000 to \$199,999.....	2	209	209	---	42	81	85	Roofing.....	4	206	133	73	---	40	82
\$200,000 to \$499,999.....	6	2,089	2,089	---	563	713	492	Sheet metal work.....	4	288	65	217	3	64	90
\$500,000 to \$999,999.....	1	611	611	---	202	127	205	Marble, tiling, and plastering.....	3	163	2	162	24	57	45
\$1,000,000 and over.....	3	8,488	8,488	---	2,629	2,149	2,917	Other classes ²²	5	1,278	105	1,173	17	243	597
Building contractors.....	10	11,543	11,543	---	3,544	3,226	3,869	<i>Classification of establishments</i>							
\$25,000 to \$49,999.....	5	207	207	---	44	51	72	General contractors.....	22	12,008	12,008	---	3,544	3,226	3,869
\$50,000 to \$99,999.....	4	301	301	---	64	86	86	Building.....	10	11,543	11,543	---	3,544	3,226	3,869
\$100,000 to \$199,999.....	1	149	149	---	23	47	43	Building not specialized.....	16	11,378	11,378	---	3,478	2,995	3,685
\$200,000 to \$499,999.....	5	1,788	1,788	---	503	570	417	Residential building only.....	3	105	165	---	47	35	56
\$500,000 to \$999,999.....	1	611	611	---	202	127	205	Other classes ²³	3	468	465	---	19	107	128
\$1,000,000 and over.....	3	8,488	8,488	---	2,629	2,149	2,917	Subcontractors.....	31	3,134	914	2,220	58	735	1,365
Building contractors.....	10	11,543	11,543	---	3,544	3,226	3,869	Electrical.....	4	380	160	223	---	124	178
\$25,000 to \$49,999.....	5	207	207	---	44	51	72	Heating and plumbing.....	8	596	341	255	14	113	307
\$50,000 to \$99,999.....	4	301	301	---	64	86	86	Heating and piping ³	5	401	204	197	13	84	252
\$100,000 to \$199,999.....	1	149	149	---	23	47	43	Plumbing.....	3	105	47	58	1	20	55
\$200,000 to \$499,999.....	5	1,788	1,788	---	503	570	417	Painting, decorating, and glazing.....	3	210	102	117	---	88	66
\$500,000 to \$999,999.....	1	611	611	---	202	127	205	Roofing and sheet metal work.....	8	488	198	290	3	110	172
\$1,000,000 and over.....	3	8,488	8,488	---	2,629	2,149	2,917	Roofing.....	4	206	133	73	---	40	

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
MASSACHUSETTS						MASSACHUSETTS—Continued							
All construction business	1,434	\$308,004,319	645	\$225,759,803	789	\$80,334,516	All business under subcontract—Continued.						
Distribution not reported	81	10,626,428	19	4,648,424	72	5,978,004	Distributed by class—Contd.						
Distributed by class of ownership							Stone work	15	\$347,391	2		13	\$4,273,379
Private	1,343	205,467,891	626	221,111,379	717	74,356,512	Marble and tiling	28	3,934,848	1	\$8,860	25	609,613
Quasi public or community	1,249	225,433,413	550	160,536,326	690	55,897,087	Wrecking	7	699,613			7	959,530
Public	335	24,449,170	125	15,984,559	210	8,404,611	Excavating	43	1,303,699	17	344,169	26	1,685,296
Distribution not reported	460	45,585,308	229	35,800,494	291	9,094,814	Ornamental iron ²	16	1,685,296			16	1,685,296
	81	1,988,078	12	878,328	19	810,345	Highway	1		1		1	
Distributed by class of public ownership							Grading	11	127,244	3	32,341	8	94,903
Federal	429	43,809,635	217	34,712,166	212	9,184,460	Foundation	3	314,287			3	314,287
State	56	1,541,069	22	1,172,738	34	368,331	Rental of equipment	3	20,196	2	(?)	1	(?)
County or township	160	18,381,823	92	13,643,870	58	4,737,944	Flooring, n. e. s. ³	3	1,079,062	1	(?)	3	1,079,062
Municipal	129	4,580,737	71	3,059,921	58	620,846	Other classes ⁴	6	60,617	1	(?)	5	(?)
All business under general contract or directly for owners	1,051	255,228,898	645	224,038,329	406	30,500,599	BOSTON						
Distribution not reported	9	1,080,121	5	765,726	4	320,895	All construction business	420	102,410,070	179	129,034,121	250	83,375,949
Distributed by class							Distribution not reported	26	5,421,688	6	3,019,463	20	2,402,125
Building	1,042	254,142,777	640	223,872,003	402	30,270,174	Distributed by class of ownership						
Distribution not reported	910	165,604,614	532	141,709,149	387	23,805,465	Private	403	156,988,482	173	126,014,668	230	30,973,824
	102	8,448,807	44	5,622,416	58	2,820,001	Quasi public or community	366	126,244,094	145	103,073,098	221	23,170,996
Distributed by class							Public	112	13,857,663	34	9,044,251	77	4,813,312
Commercial	187	167,156,107	488	186,176,733	329	20,979,374	Distribution not reported	146	16,880,825	69	13,897,309	78	2,989,516
Educational	361	36,276,971	210	35,347,405	151	3,929,566		7	655,309	1	80,267	6	475,042
Hotel	220	21,070,610	110	19,549,231	101	1,521,379	Distributed by class of public ownership						
Hospital and institutional	59	1,376,163	18	1,158,945	41	216,208	Federal	139	16,331,516	68	13,817,042	71	2,514,474
Manufacturing	122	9,864,911	57	8,577,766	65	1,287,145	State	26	1,033,858	13	829,037	13	204,221
Military and naval	189	31,644,547	99	29,020,344	90	2,624,203	County or township	52	4,933,788	30	4,585,614	22	348,174
Public: Courts, jails, etc.	14	573,212	7	502,994	7	70,218	Municipal	29	1,356,007	15	1,016,390	14	339,617
Religious and memorial	75	2,368,079	40	2,113,858	35	244,221	All business under general contract or directly for owners	290	137,777,707	176	128,615,929	114	9,161,778
Residential	154	4,848,180	81	4,106,129	73	742,051	Distribution not reported	26	755,106	1	546,741	2	208,365
Social and recreational	608	34,146,648	357	26,834,052	251	7,312,596	Distributed by class						
Air transport	100	3,069,595	61	2,870,637	39	100,958	Building	287	137,022,601	175	128,069,188	112	8,963,413
Rail and water transportation	16	3,362,916	8	3,287,348	8	75,568	Distribution not reported	245	78,189,517	140	70,223,262	105	7,966,255
Miscellaneous	182	686,616	11	661,257	7	25,560		29	3,822,101	13	3,052,728	16	709,378
Highway and street	16	4,878,069	85	2,146,867	67	2,731,802	Distributed by class						
Water power development	96	14,230,892	88	14,095,905	8	134,987	Commercial	216	74,367,416	127	67,170,539	89	7,196,877
Railroad and car line	11	7,728,828	11	7,726,928	1		Educational	130	17,935,889	73	15,740,544	57	2,195,345
Public works and utilities	6	1,273,491	4	(?)	1	(?)	Hotel	76	11,318,683	38	10,638,173	38	680,510
Distribution not reported	140	59,805,835	117	53,307,808	23	5,068,027	Hospital and institutional	19	112,358	5	20,691	14	82,667
	2	64,307	2	64,307			Manufacturing	46	6,289,862	21	5,628,798	25	661,064
Distributed by class							Military and naval	40	20,844,546	24	19,750,676	25	503,970
Bridge, tunnel, etc.	138	59,801,528	115	53,833,501	23	5,968,027	Public: Courts, jails, etc.	6	210,129	3	204,527	3	5,602
Central station, light and power plant	37	44,972,741	28	42,795,134	9	2,177,607	Religious and memorial	18	469,478	9	270,344	9	199,134
Park, grounds, etc.	26	395,584	24	(?)	2	(?)	Residential	48	2,464,583	24	2,145,824	24	318,759
Dock, pier, retaining wall, etc.	24	2,356,362	22		2		Social and recreational	126	8,158,999	65	6,695,937	61	1,463,062
Flood control, irrigation and land drainage	4	14,694	3	2,853,706	1	51,812	Air transport	36	1,613,515	20	2,414,056	10	99,459
River and harbor improvement	7	534,462	5		2		Rail and water transportation	7	3,227,445	5	3,744,203	2	30,813
Sewage disposal and drainage	33	1,570,305	29	1,565,730	4	4,575	Miscellaneous	9	547,571	5		4	860,492
Water supply	32	4,905,209	24	1,203,133	8	3,702,076	Highway and street	39	1,774,358	18	907,866	21	
Telephone line and system	1		1	(?)	1	(?)	Water power development	23	3,854,720	22	(?)	1	(?)
Miscellaneous	11	231,528	10	(?)	1	(?)	Railroad and car line	5	7,541,449	5	7,541,449		
Air transport work	9	505,397	8	(?)	1	(?)	Air transport work	1	1,442,353	1	1,442,353		
Miscellaneous, n. e. s. ³	68	4,935,020	56	4,576,077	12	358,943	Public works and utilities	46	44,779,704	41	44,010,992	5	780,612
All business under subcontract	605	59,805,421	50	1,121,474	615	49,743,947	Distribution not reported	2	64,307	2	64,307		
Distribution not reported	5	184,189	4	25,074	4	159,115							
Distributed by class							Distributed by class						
Carpentering and wood flooring	20	367,881	13	24,619	7	343,262	Bridge, tunnel, etc.	44	44,715,397	39	43,954,785	5	760,612
Concrete	41	1,211,642	12	64,482	29	1,147,100	Central station, light and power plant	14	1,868,974	14	1,868,974		
Electrical	105	6,480,199	1	(?)	104		Dock, pier, retaining wall, etc.	12	39,684,892	10	(?)	2	(?)
Elevator construction	9	2,801,948		(?)	9	2,801,948	River and harbor improvement	10	1,899,944	9	(?)	1	(?)
Heating and plumbing		15,302,055		(?)			Park, grounds, etc.	3	23,558	2	(?)	1	(?)
Heating and piping	165	9,937,923	1	(?)	164		Sewage disposal and drainage	12	904,940	11	(?)	1	(?)
Pipe covering	31	42,534		(?)	31	42,534	Water supply	7	201,658	7	201,658		
Plumbing	161	5,742,093	1	(?)	160		Miscellaneous	4	181,431	4	181,431		
Plumbing and heating combined	35	2,580,195		(?)	35	2,580,195	Miscellaneous, n. e. s. ³	16	1,214,358	10	(?)	5	(?)
Masonry	47	997,798	11	161,650	36	836,148	All business under subcontract	225	24,632,363	18	418,192	207	24,214,171
Painting and decorating	58	3,696,558	1	(?)	57		Distribution not reported	1	66,074	1	25,074	1	41,000
Glass and glazing	10	497,540		(?)	10	497,540	Distributed by class						
Plastering and lathing	43	2,272,037	0	32,570	37	2,239,458	Carpentering and wood flooring	223	24,566,289	17	393,118	206	24,173,171
Roofing and sheet metal work		4,953,716				4,953,716	Concrete	9	250,351	5	12,160	4	238,191
Roofing	29	893,076			29	893,076	Concrete	9	344,854	4	11,107	5	333,547
Sheet metal work	75	2,371,795			75	2,371,795	Electrical	36	3,206,534			36	3,206,534
Roofing and sheet metal combined	23	1,688,845			23	1,688,845	Elevator construction	6	2,491,294			6	2,491,294
Steel erection	17	2,521,005	2	2,412,843	15	2,108,162	Heating and plumbing	6	6,759,678			6	6,759,678
							Heating and piping	49	3,708,485			49	3,708,485
							Pipe covering	9	24,409			9	24,409
							Plumbing	39	2,331,798			39	2,331,798
							Plumbing and heating combined	4	694,984			4	694,984

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
BOSTON—Continued						FALL RIVER—Continued							
All business under subcontract—Continued.							All business under general contract or directly for owners.	27	\$2,904,035	15	\$2,275,529	12	\$688,506
Distributed by class—Contd.							Building.	24	2,201,448	12	1,002,942	12	688,506
Masonry and stone work.	8	\$195,800	5	\$114,039	3	\$81,761	Distribution not reported.	1	174,333	1	174,333		
Painting and decorating.	25	2,476,090			25	2,476,090	Distributed by class.	23	2,117,115	11	1,428,009	12	688,506
Glass and glazing.	4	142,017			4	142,017	Commercial.	12	400,791	5	369,209	7	91,582
Plastering and lathing.	17	1,627,782	2	(?)	16	(?)	Educational.	7	399,980	5	(?)	2	(?)
Roofing and sheet metal work.		2,143,460				2,143,460	Hotel.	1	45,217	1	(?)	1	(?)
Roofing.	3	162,640			3	162,640	Hospital and institutional.	2	(?)	1	(?)	1	(?)
Sheet metal work.	11	1,175,402			11	1,175,402	Manufacturing.	9	76,500	2	(?)	4	(?)
Roofing and sheet metal combined.	7	805,328			7	805,328	Military and naval.	2	9,320	1	(?)	1	(?)
Steel erection.	6	613,630			6	613,630	Public: Courts, jails, etc.	1	(?)	1	(?)	1	(?)
Marble and tiling.	12	2,600,248	1	(?)	11	(?)	Religious and memorial.	8	220,577	5	145,084	3	75,493
Wrecking.	3	500,384			3	500,384	Social and recreational.	1	(?)	1	(?)	1	(?)
Excavating and grading.	9	260,903	7	(?)	2	(?)	Residential.	15	735,003	0	513,216	0	221,787
Ornamental iron.	6	579,901			6	579,901	Rail and water transportation.	1	(?)	3	89,721	1	79,934
Foundation.	3	314,287			3	314,287	Miscellaneous.	6	169,055	3	217,030	3	217,030
Other classes ⁷ .	5	60,228	3	(?)	2	(?)	Highway and street.	3	440,434	4	440,434		
							Public works and utilities ¹⁰ .	4	9,123	3	9,123		
							Miscellaneous, n. e. s.	3	(?)	3	(?)		
CAMBRIDGE						LOWELL							
All construction business.	51	13,371,049	22	6,544,569	29	6,826,480	All construction business.	18	1,826,069	8	1,216,899	10	609,170
Distribution not reported.	3	193,601	1	32,409	2	161,192	Private.	18	1,034,258	8	530,685	10	553,673
Distributed by class of ownership.							Quasi public or community.	3	223,024	5	680,314	3	55,497
Private.	48	13,177,448	21	6,512,160	27	6,665,288	Public ¹⁴ .	3	517,887	2	(?)	1	(?)
Quasi public or community.	46	8,568,214	20	3,713,167	26	4,855,047							
Public.	13	808,886	4	162,211	9	650,676	All business under general contract or directly for owner.	13	1,306,210	8	1,216,899	5	179,320
Distribution not reported.	19	3,800,348	9	2,646,782	10	1,153,506	Distribution not reported.	2	1,044	1	1,471	1	178,473
	1	25,154			1	25,154	Distributed by class.	11	1,304,275	7	1,215,428	4	178,847
Distributed by class of public ownership.							Building.	11	1,304,275	7	1,215,428	4	178,847
Federal.	2	881,112	4	406,680	2	474,432	Commercial.	8	429,924	6	(?)	2	(?)
State.	7	324,694	5	2,240,102	7	653,930	Educational.	2	126,115	2	(?)	1	(?)
County or township.	7	2,569,388	5	(?)	2	(?)	Hospital and institutional.	3	107,503	2	(?)	1	(?)
Municipal.	12	(?)	2	(?)	2	(?)	Manufacturing.	3	307,933	2	307,933		
All business under general contract or directly for owners.	34	9,258,242	22	6,075,534	12	3,182,708	Military and naval.	2	(?)	2	307,933		
Building.	31	4,820,552	19	3,081,520	12	1,748,032	Public: Courts, jails, etc.	11	200,305	6	128,868	5	137,437
Distribution not reported.	3	282,876	3	282,876	3	282,876	Residential.	2	166,435	2	156,435		
Distributed by class.	28	4,546,677	16	2,798,645	12	1,748,032	Religious and memorial.	2	(?)	2	(?)		
Commercial.	16	1,222,745	10	603,332	6	559,416	Social and recreational.	2	156,435	2	156,435		
Educational.	12	607,249	8	490,130	4	177,119	Miscellaneous.	2	(?)	2	(?)		
Hotel.	2	526,284			2	526,284	All business under subcontract.	8	429,850	8	429,850		
Hospital and institutional.	3	500,055	5	491,394	3	77,601	Distribution not reported.	2	245,636	2	245,636		
Manufacturing.	3	18,761	2	(?)	1	(?)	Distributed by class.	0	184,214	6	184,214		
Public: Courts, jails, etc.	9	397,733	6	291,600	3	106,133	Heating and plumbing.	3	36,357	3	36,357		
Religious and memorial.	16	904,106	8	756,825	8	207,341	Heating and piping.	3	47,146	4	47,146		
Residential.	3	59,280	1	(?)	2	(?)	Plumbing.	4	100,712	3	100,712		
Social and recreational.	1	121,302	4	33,952	2	87,410	Roofing and sheet metal work.	3	100,712	3	100,712		
Air transport.	6	1,853,790	3	1,853,790	2	(?)							
Miscellaneous.	3	2,449,141	1	(?)	2	(?)							
Highway and street.	6	125,759	1	125,759									
Public works and utilities ⁸ .	3	(?)	2	(?)									
Water power development.	1	(?)	1	(?)									
Air transport work.	1	(?)	1	(?)									
Miscellaneous, n. e. s.	1	(?)	1	(?)									
All business under subcontract.	29	4,112,807	3	469,036	26	3,643,772							
Concrete.	3	(?)	1	(?)	2	(?)							
Masonry.	1	775,045			1	(?)							
Stone work.	1	(?)			1	(?)							
Marble and tiling.	1	(?)			1	(?)							
Electrical.	3	346,440			3	346,440							
Heating and plumbing.	1,142,177			1,142,177									
Heating and piping.	7	652,681			7	652,681							
Plumbing.	7	489,496			7	489,496							
Painting and decorating ¹⁰ .	3	10,881			3	10,881							
Roofing and sheet metal work ¹¹ .	5	629,891			5	629,891							
Steel erection.	1	770,248			1	770,248							
Ornamental iron.	2	437,625			2	437,625							
Excavating.	3	(?)			3	(?)							
FALL RIVER						LYNN							
All construction business.	37	3,573,086	15	2,292,860	22	1,280,226	All construction business.	40	4,707,937	22	3,117,878	27	1,590,109
Distribution not reported.	2	207,774	1	174,333	1	33,441	Distribution not reported.	5	524,496	5	524,496	5	52,496
Distributed by class of ownership.							Distributed by class of ownership.						
Private.	35	3,305,312	14	2,118,527	21	1,246,785	Private.	44	4,183,491	22	3,117,878	22	1,065,613
Quasi public or community.	34	2,209,046	13	1,289,168	21	920,773	Private.	5	2,584,552	22	1,646,303	21	938,249
Public.	13	237,524	5	142,833	8	94,601	Quasi public or community.	5	71,487	6	1,471,575	7	55,877
Federal.	11	917,842	6	686,520	6	231,316	Public.	13	1,527,452	6	1,471,575	5	55,877
State.	3	188,435	2	(?)	1	(?)	Distribution not reported.	2	151,200	1	150,000	1	1,200
County or township.	3	(?)	2	(?)	1	(?)							
Municipal.	9	729,407	4	498,921	5	230,486	Distributed by class of public ownership.	11	1,376,252	5	1,321,575	6	54,677
							Federal.	1	181,448	1	(?)	1	(?)
							State.	1	(?)	1	(?)	1	(?)
							County or township.	1	(?)	1	(?)	1	(?)
							Municipal.	11	1,194,804	5	1,141,575	6	53,229

See footnotes at end of table.

CONSTRUCTION—MASSACHUSETTS

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
WORCESTER—Continued							WORCESTER—Continued						
All business under general contract or directly for owners.....	40	\$12,921,231	22	\$12,007,588	18	\$913,643	All business under general contract or directly for owners—Continued.						
Building.....	36	11,760,908	19	10,895,517	17	895,391	Public works and utilities ²¹	5	\$701,306	5	\$701,306		
Distribution not reported.....	4	287,139	1	63,844	3	223,295	Miscellaneous, n. c. s.....	3	310,199	3	310,199		
Distributed by class.....	32	11,473,769	18	10,801,673	14	672,096	All business under subcontract.	25	2,220,344			25	\$2,220,344
Commercial.....	20	1,777,263	11	1,698,423	9	78,840	Electrical.....	3	223,412			3	223,412
Educational.....	12	1,178,729	7	1,117,134	5	61,595	Heating and plumbing.....	4	236,648			4	236,648
Hotel.....	3	2,888			3	2,886	Heating and piping.....	4	97,126			4	97,126
Hospital and institutional.....	10	646,205	5	607,324	5	38,941	Plumbing and heating combined.....	5	130,422			5	130,422
Manufacturing.....	15	5,195,858	8	5,111,209	7	84,649	Painting, decorating, and glazing.....	3	116,503			3	116,503
Public: Courts, jails, etc.	5	760,744	3	(?)	2	(?)	Roofing and sheet metal work.....	3	309,372			3	309,372
Religious and memorial.....	9	194,491	5	176,784	4	17,707	Roofing ²²	3	144,068			3	144,068
Residential.....	25	1,400,119	14	1,176,285	11	223,834	Sheet metal work.....	5	165,304			5	165,304
Social and recreational.....	7	47,070	3	16,773	4	30,297	Ornamental iron ²³	3	1,050,309			3	1,050,309
Rail and water transportation.....	1		1	(?)	2	(?)	Other classes ²⁴	5	284,200			5	284,200
Miscellaneous.....	3	270,344	1	(?)	2	(?)							
Highway and street.....	4	143,185	2	(?)	2	(?)							
Water-power development.....	2		2	(?)	2	(?)							
Railroad and car line.....	1	5,633	1	(?)	1	(?)							

¹ Includes operative builders.
² Value omitted in order to avoid disclosing individual operations. The amounts omitted are, however, included in the respective totals.
³ Includes 1 subcontractor reporting work on automatic sprinkler systems.
⁴ Includes 1 subcontractor reporting work on automatic temperature control.
⁵ Includes 1 subcontractor reporting metal work, not elsewhere specified.
⁶ Includes establishments reporting the following types of work: General contractors: Bridge and culvert, 1; Subcontractors: Telephone line and system, 1; street paving, 1; dredging, river and harbor, etc., and miscellaneous, not elsewhere specified, 2.
⁷ Includes establishments reporting the following types of work: General contractors: Bridge and culvert, 1; rental of equipment, trucking, etc., 2. Subcontractors: Dredging, river and harbor, etc., 1; flooring, not elsewhere specified, 1.
⁸ Includes establishments reporting the following types of work: General contractors: Bridge, tunnel, etc., 1; dock, pier, retaining wall, etc., 2; park, grounds, etc., 1. Subcontractors: Central station, light and power plant, 2.
⁹ Includes 2 establishments reporting plumbing and heating combined.
¹⁰ Includes 1 establishment reporting flooring, not elsewhere specified.
¹¹ Includes establishments reporting the following types of work: Roofing, 1; sheet metal work, 3; and roofing and sheet metal combined, 1.
¹² Includes establishments reporting the following types of work: Bridge, tunnel, etc., 2; dock, pier, retaining wall, etc., 2; and sewage disposal and drainage, 1.
¹³ Includes establishments reporting the following types of work: General contractors: Carpentry and woodflooring, 1; excavating, 1. Subcontractors: Masonry, 2.
¹⁴ Includes 1 establishment not reporting class of public ownership; 1 general contractor reporting Federal and State work; and 1 subcontractor reporting municipal work.
¹⁵ Includes 1 general contractor reporting work on park, grounds, etc.
¹⁶ Includes establishments reporting the following types of work: General contractors: Excavating, 1. Subcontractors: Steel erection, 1; stone work, 1; marble and tiling, 1; ornamental iron, 1; and miscellaneous, not elsewhere specified, 1.
¹⁷ Includes establishments reporting the following types of work: General contractors: Federal, State, and county or township, 1; State, 1. Subcontractors: Federal and municipal, 1; municipal, 1.
¹⁸ Includes establishments reporting the following types of work: General contractors: Federal, 1; municipal, 4. Subcontractors: State, 1.
¹⁹ Includes establishments reporting work on central station, light and power plant, 1; sewage disposal and drainage, 1.
²⁰ Includes establishments reporting in the following types of work: General contractors: Carpentry and wood flooring, 1. Subcontractors: Carpentry and wood flooring, 1; painting and decorating, 1; and excavating, 1.
²¹ Includes establishments reporting the following types of work: Bridge, tunnel, etc., 1; central station, light and power plant, 2; sewage disposal and drainage, 1; and water supply, 1.
²² Includes 1 establishment reporting roofing and sheet metal combined.
²³ Includes 1 establishment reporting steel erection.
²⁴ Includes establishments reporting the following types of work: Plastering and lathing, 1; marble and tiling, 2; and excavating, 2.

TABLE 3.—CONSTRUCTION BUSINESS DURING 1929, BY LOCATION

CLASSIFICATION OF ESTABLISHMENTS	Establishments reporting	MASSACHUSETTS			CLASSIFICATION OF ESTABLISHMENTS	Establishments reporting	MASSACHUSETTS—Contd.				
		Total	In home city	In home State			Outside home State	Total	In home city	In home State	Outside home State
MASSACHUSETTS	1,393	\$295,349,266	\$103,146,334	\$187,519,318	\$107,829,948	MASSACHUSETTS—Contd.					
Operative builders.....	39	3,286,670	2,784,136	3,286,670		Subcontractors.....	704	\$74,047,228	\$41,952,303	\$65,418,887	\$9,528,341
General contractors.....	590	217,115,368	58,409,898	118,813,761	98,301,607	Carpentering and woodflooring.....	9	710,975	450,082	643,475	67,500
Building.....	455	125,228,400	48,092,559	80,111,679	39,116,721	Concreting.....	17	1,780,352	751,836	1,627,020	163,332
Building not specialized.....	343	113,982,765	41,840,564	75,281,080	38,001,658	Electrical.....	126	10,174,547	5,727,106	9,106,291	1,008,256
Commercial building only.....	22	2,830,017	1,619,005	2,675,017	155,000	Elevator construction.....	7	3,328,323	1,108,397	2,226,021	1,100,302
Manufacturing building only.....	4	763,423	270,021	332,934	430,489	Heating and plumbing.....	323	23,872,256	16,632,809	24,940,140	3,932,116
Residential building only.....	86	7,652,195	4,362,979	7,122,048	529,547	Heating and piping.....	67	12,065,076	5,139,857	9,769,467	3,195,609
Highway.....	46	10,731,377	1,550,373	7,654,243	3,077,134	Plumbing.....	148	10,361,353	7,404,890	9,702,019	659,334
Bridge, culvert, and railroad.....	17	5,098,413	571,449	1,971,749	3,126,664	Plumbing and heating combined.....	78	5,545,827	4,088,062	5,468,654	77,173
Grading.....	17	1,997,225	1,112,984	1,803,865	193,860	Masonry.....	30	1,793,830	1,161,643	1,619,067	174,772
Street paving.....	13	4,985,833	2,096,055	4,212,939	772,894	Painting and decorating.....	67	5,128,452	2,846,006	4,424,419	704,033
Sewer, gas, water, conduit.....	14	2,292,298	796,113	1,964,721	327,577	Plastering and lathing.....	14	926,648	739,986	904,821	21,825
Dam and reservoir.....	3	853,142	158,541	783,541	69,601	Roofing and sheet metal work.....	24	2,226,746	1,320,989	1,923,166	303,680
Waterworks.....	3	132,006	10,162	139,772	42,834	Roofing.....	78	6,248,242	3,738,214	5,822,529	425,713
Dredging, river, harbor, etc.....	8	2,849,070	498,754	2,369,074	480,016	Roofing and sheet metal combined.....	30	1,801,387	1,205,740	1,795,065	6,322
Foundation.....	4	248,659	172,598	248,659		Steel erection.....	24	2,779,735	1,638,424	2,395,105	884,633
Central station, light and power plant.....	7	62,397,360	3,226,069	11,373,926	51,023,434						
Other classes ¹	3	250,985	124,299	180,113	70,872						

See footnotes at end of table.

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

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
MASSACHUSETTS—Con.						LOWELL—Continued					
Subcontractors—Continued.						LYNN					
Stone work	3	\$163,706	\$42,000	\$150,706	\$7,000	Subcontractors	9	\$462,616	\$304,619	\$462,616	-----
Marble and tiling	24	4,158,498	1,490,526	3,144,443	1,014,045	Heating and plumbing	5	232,232	212,880	232,232	-----
Wrecking	4	548,513	384,476	548,513	-----	Other classes ¹²	4	230,384	91,739	230,384	-----
Excavating and grading	12	944,908	543,857	806,067	138,841	NEW BEDFORD					
Ornamental iron ³	10	1,417,983	283,757	1,381,708	36,275	General contractors ¹³	11	813,196	776,196	813,196	-----
Foundation	3	316,302	214,237	250,732	65,570	Subcontractors	20	1,320,341	962,751	1,310,341	10,000
Other classes ⁴	5	3,849,405	3,772,442	3,841,449	7,956	Electrical	6	334,952	236,328	334,952	-----
BOSTON						SOMERVILLE					
General contractors ⁵	409	157,125,470	44,817,972	84,353,602	72,771,888	Operative builders	25	2,177,065	603,905	2,150,265	26,800
Building	126	53,858,200	21,409,201	30,322,433	14,625,827	General contractors	7	774,823	124,858	748,023	26,800
Building not specialized ⁶	104	49,772,655	19,556,382	35,887,145	13,885,510	Building	4	418,890	60,900	392,090	26,800
Commercial building only	12	1,700,685	1,067,120	1,630,685	180,000	Other classes ¹⁷	3	355,933	63,958	355,933	-----
Residential building only	10	2,324,920	795,699	1,814,603	510,317	Subcontractors	15	984,595	190,185	984,595	-----
Highway and grading	7	2,831,028	720,386	2,092,028	139,000	Heating and plumbing	8	406,460	113,668	406,460	-----
Bridge, culvert, and railroad	8	2,561,555	302,027	503,248	2,058,307	Plumbing	4	168,403	63,392	168,403	-----
Street paving	9	2,920,316	1,763,376	2,920,316	-----	Plumbing and heating combined	4	238,057	50,266	238,057	-----
Sewer, gas, water, conduit	7	1,371,208	673,906	1,366,983	4,585	Roofing and sheet metal work	3	269,846	33,500	269,846	-----
Dam, reservoir and water-works	4	806,207	60,102	813,772	82,435	Other classes ¹⁸	4	308,289	38,027	308,289	-----
Dredging, river, harbor, etc.	6	1,904,838	486,254	1,511,835	403,003	SPRINGFIELD					
Central station, light and power plant	3	59,316,015	3,200,000	8,741,390	50,574,625	General contractors ¹	25	24,375,136	4,188,605	7,015,815	16,769,321
Subcontractors						Building ²					
Carpentering and wood flooring	5	403,338	265,838	395,838	67,500	Other classes ¹⁹	3	824,296	54,700	823,878	200,418
Concreting	4	451,464	179,493	321,794	129,070	Subcontractors	37	3,109,159	2,271,107	2,064,148	145,011
Electrical	44	5,100,050	2,330,385	4,435,374	665,282	Electrical	11	712,449	542,183	712,449	-----
Elevator construction	7	3,326,323	1,108,397	2,226,021	1,100,302	Heating and plumbing	12	1,196,294	968,941	1,193,844	2,450
Heating and plumbing	89	9,948,390	5,593,360	9,015,878	932,512	Heating and piping ³	7	766,303	583,482	766,303	-----
Heating and piping ²	41	4,972,798	2,313,999	4,616,462	366,336	Plumbing	5	429,991	375,459	427,541	2,450
Plumbing	44	4,400,931	3,068,187	3,888,559	572,375	Roofing and sheet metal work	8	346,187	269,945	341,640	4,541
Plumbing and heating combined	4	514,661	221,180	510,860	3,801	Roofing	5	226,223	191,250	223,687	2,541
Masonry	6	378,728	160,224	295,271	83,457	Roofing and sheet metal combined	3	119,959	78,695	117,959	2,000
Painting and decorating	24	2,943,073	1,421,912	2,294,921	688,152	Other classes ²⁰	6	854,229	500,038	716,209	138,020
Glass and glazing	8	554,244	491,822	535,800	18,444	WORCESTER					
Plastering and lathing	13	1,481,369	952,687	1,268,699	212,700	General contractors	51	14,834,050	5,891,281	8,598,427	6,287,623
Roofing and sheet metal work	17	2,401,880	1,705,476	2,019,138	382,742	General contractors	22	12,007,588	3,873,094	6,094,362	5,913,226
Roofing	3	350,879	340,879	350,879	-----	Building	19	11,542,965	3,712,407	5,629,730	5,913,226
Sheet metal work	8	1,412,711	917,502	1,051,727	360,984	Building not specialized	16	11,378,326	3,566,575	5,465,100	5,913,226
Roofing and sheet metal combined	6	638,200	537,095	616,532	21,758	Residential building only	3	164,639	145,832	164,639	-----
Steel erection	4	656,075	311,026	547,628	108,447	Other classes ²¹	3	464,623	161,237	464,623	-----
Marble and tiling	10	2,612,847	982,356	2,095,270	517,577	Subcontractors	20	2,826,462	2,017,537	2,502,085	324,397
Ornamental iron	3	364,241	114,300	382,966	1,275	Electrical	4	389,281	237,578	334,231	55,000
Foundation	3	316,302	214,237	250,732	65,570	Heating and plumbing	8	595,672	509,054	595,374	268
Other classes ⁵	4	407,023	391,541	456,567	10,466	Heating and piping ³	5	490,809	468,955	490,511	268
CAMBRIDGE						Roofing and sheet metal work					
General contractors ⁵	22	6,544,569	1,501,474	5,203,296	1,341,273	Other classes ²²	6	1,189,671	600,337	1,189,671	-----
Building ⁶	18	3,113,736	1,215,213	3,031,236	82,500	FALL RIVER					
Other classes ⁷	4	3,430,833	286,261	2,172,060	1,258,773	General contractors	37	8,573,086	2,647,218	8,573,086	-----
Subcontractors						Building					
Electrical	27	6,350,514	1,340,602	4,030,281	2,320,233	Building	11	2,292,860	1,415,732	1,515,335	777,525
Heating and plumbing	3	346,440	128,440	168,440	178,000	Other classes ¹⁰	4	1,569,890	1,171,859	1,200,455	360,441
Heating and piping ³	12	3,826,102	822,734	2,053,397	1,772,705	Subcontractors	22	1,280,226	1,131,486	1,164,430	115,796
Plumbing	8	3,423,055	660,907	1,650,350	1,772,705	Electrical	3	239,840	265,267	232,699	7,156
Roofing and sheet metal work	4	403,647	161,827	403,647	-----	Heating and plumbing	10	555,179	468,004	469,504	85,675
Other classes ⁹	3	541,604	5,441	541,604	-----	Plumbing	6	213,220	199,820	199,820	13,400
FALL RIVER						Worcester					
General contractors	37	8,573,086	2,647,218	8,573,086	893,321	General contractors	51	14,834,050	5,891,281	8,598,427	6,287,623
Building	15	2,292,860	1,415,732	1,515,335	777,525	General contractors	22	12,007,588	3,873,094	6,094,362	5,913,226
Other classes ¹⁰	4	722,904	243,873	805,880	417,084	Building	19	11,542,965	3,712,407	5,629,730	5,913,226
Subcontractors						Building not specialized					
Electrical	22	1,280,226	1,131,486	1,164,430	115,796	Residential building only	16	11,378,326	3,566,575	5,465,100	5,913,226
Heating and plumbing	3	239,840	265,267	232,699	7,156	Other classes ²¹	3	164,639	145,832	164,639	-----
Heating and piping ³	10	555,179	468,004	469,504	85,675	Subcontractors	20	2,826,462	2,017,537	2,502,085	324,397
Plumbing	6	213,220	199,820	199,820	13,400	Electrical	4	389,281	237,578	334,231	55,000
Plumbing and heating combined	4	341,959	268,184	269,684	72,275	Heating and plumbing	8	595,672	509,054	595,374	268
Painting, decorating and glazing	3	154,702	147,632	151,381	3,381	Heating and piping ³	5	490,809	468,955	490,511	268
Other classes ¹¹	6	230,439	250,583	200,855	19,584	Plumbing	3	104,863	100,093	104,863	-----
LOWELL						Roofing and sheet metal work					
General contractors	17	1,679,516	779,921	1,484,689	214,826	Other classes ²⁰	6	854,229	500,038	716,209	138,020
Building	8	1,216,890	475,302	1,002,078	214,826	WORCESTER					
Other classes ¹²	9	462,626	304,619	482,611	7,956	General contractors	51	14,834,050	5,891,281	8,598,427	6,287,623

¹ Includes air transport work; and telephone line and system.
² Includes automatic temperature control.
³ Includes metal work, not elsewhere specified.
⁴ Includes street paving; sewer, gas, water, and conduit; dredging, river and harbor, etc.; and flooring, not elsewhere specified.
⁵ Includes operative builders.
⁶ Includes wrecking; excavating; dredging, river and harbor, etc.; and flooring, not elsewhere specified.
⁷ Includes highway; bridge and culvert; street paving; and dredging, river and harbor, etc.
⁸ Includes plumbing and heating combined.
⁹ Includes concreting; painting and decorating; marble and tiling; excavating; and ornamental iron.
¹⁰ Includes highway; bridge and culvert; sewer, gas, water and conduit; and dredging, river and harbor, etc.
¹¹ Includes masonry; plastering and lathing; roofing; and marble and tiling.
¹² Includes electrical; painting and decorating; and roofing.
¹³ Includes building; highway; and telephone line and system.
¹⁴ Includes steel erection; stone work; marble and tiling.
¹⁵ Includes building; and highway.
¹⁶ Includes electrical; and roofing.
¹⁷ Includes street paving; sewer, gas, water, conduit; and central station, light and power plant.
¹⁸ Includes concreting; painting and decorating; and steel erection.
¹⁹ Includes bridge and culvert; grading; and central station, light and power plant.
²⁰ Includes masonry; painting and decorating; plastering and lathing; marble and tiling; and excavating.
²¹ Includes highway; and sewer, gas, water and conduit.
²² Includes masonry; painting and decorating; glass and glazing; steel erection; and excavating.

CONSTRUCTION—MASSACHUSETTS

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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	Sub-contractors		All classes of establishments	General contractors	Sub-contractors
MASSACHUSETTS				CAMBRIDGE			
Total distributed by State or country ¹	\$107,829,948	\$98,301,607	\$9,528,341	Total distributed by State or country ²	\$3,861,506	\$1,341,273	\$2,520,233
Alabama.....	749,234	749,234	-----	Connecticut.....	231,123	104,123	127,000
California.....	3,539,950	3,539,950	-----	Florida.....	51,002	51,002	-----
Connecticut.....	6,694,122	4,872,176	1,821,946	Illinois.....	155,547	-----	155,547
Delaware.....	200,000	200,000	-----	Louisiana.....	140,000	-----	140,000
District of Columbia.....	1,784,250	1,765,100	19,150	Maine.....	89,104	89,104	-----
Florida.....	497,952	497,452	500	Michigan.....	1,955	-----	1,955
Georgia.....	118,550	118,550	-----	New Hampshire.....	307,879	285,042	22,255
Illinois.....	163,677	-----	163,677	New Jersey.....	11,779	-----	11,779
Indiana.....	665,959	665,959	-----	New York.....	2,068,178	840,342	1,727,836
Kansas.....	309,100	309,100	-----	Ohio.....	10,000	-----	10,000
Louisiana.....	1,374,915	1,374,915	140,000	Rhode Island.....	410,569	359,643	70,926
Maine.....	6,653,873	5,655,207	398,666	Other States, n. s.....	144,227	131,417	12,810
Maryland.....	322,887	322,887	-----	Canada.....	40,125	-----	40,125
Michigan.....	1,751,349	1,743,665	7,684	FALL RIVER			
Mississippi.....	350	350	-----	Total distributed by State ⁴	693,321	777,525	115,796
Missouri.....	2,915,050	2,915,050	-----	Connecticut.....	4,706	-----	4,706
Nebraska.....	146,750	146,750	-----	Maine.....	1,973	1,973	-----
New Hampshire.....	13,264,923	12,782,029	482,894	Rhode Island.....	880,642	775,552	111,090
New Jersey.....	2,433,556	1,793,860	639,696	LOWELL			
New York.....	25,567,781	22,750,059	2,817,722	Total distributed by State ⁵	214,826	214,826	-----
North Carolina.....	1,620,347	1,497,388	122,959	Maine.....	49,307	49,307	-----
Ohio.....	719,457	452,873	266,584	New Hampshire.....	56,587	56,587	-----
Pennsylvania.....	8,031,232	7,595,747	435,485	Rhode Island.....	6,934	6,934	-----
Rhode Island.....	5,586,536	4,624,084	961,852	Vermont.....	101,998	101,998	-----
South Carolina.....	872,807	871,207	1,600	LYNN			
South Dakota.....	3,539	3,539	-----	Total distributed by State ⁶	255,080	245,080	10,000
Tennessee.....	224,000	36,200	188,700	Maine.....	7,000	-----	7,000
Texas.....	4,375,800	4,375,800	-----	New Hampshire.....	248,080	245,080	3,000
Vermont.....	4,930,850	4,610,490	320,360	NEW BEDFORD			
Virginia.....	4,087,983	4,082,805	5,178	Total distributed by State ⁷	19,811	-----	19,811
Washington.....	6,219,550	6,219,550	-----	Rhode Island.....	19,811	-----	19,811
Wisconsin.....	167,453	167,453	-----	SOMERVILLE			
Wyoming.....	4,650	4,650	-----	Total distributed by State ⁸	26,800	26,800	-----
Other States, n. s.....	859,097	197,417	661,680	Rhode Island.....	2,800	2,800	-----
Canada.....	68,469	68,469	-----	Vermont.....	24,000	24,000	-----
Foreign, n. s.....	1,863,050	1,863,050	-----	SPRINGFIELD			
BOSTON				Total distributed by State ⁹	16,904,332	16,756,321	148,011
Total distributed by State or country ¹	72,771,868	67,787,782	4,984,086	Connecticut.....	1,046,385	1,008,290	38,095
California.....	3,539,950	3,539,950	-----	Florida.....	36,500	36,500	-----
Connecticut.....	4,690,470	3,492,095	1,258,375	Maine.....	25,116	-----	25,116
Delaware.....	200,000	200,000	-----	New Hampshire.....	38,184	31,178	7,006
District of Columbia.....	1,784,250	1,765,100	19,150	New Jersey.....	180,945	180,945	-----
Florida.....	410,450	409,950	500	New York.....	15,422,624	15,355,814	67,310
Georgia.....	118,550	118,550	-----	Rhode Island.....	10,715	10,715	-----
Indiana.....	665,959	665,959	-----	Vermont.....	143,863	136,370	7,484
Kansas.....	309,100	309,100	-----	WORCESTER			
Louisiana.....	1,374,915	1,374,915	-----	Total distributed by State ¹⁰	6,237,623	5,913,226	324,397
Maine.....	5,034,716	4,079,275	355,441	Alabama.....	749,234	749,234	-----
Maryland.....	322,887	322,887	-----	Connecticut.....	160,025	129,336	30,689
Michigan.....	1,744,907	1,743,665	1,242	Maine.....	84,654	84,654	-----
Missouri.....	2,915,050	2,915,050	-----	New Hampshire.....	31,740	-----	31,740
Nebraska.....	146,750	146,750	-----	New Jersey.....	28,977	28,977	-----
New Hampshire.....	10,895,945	10,567,598	327,477	New York.....	211,218	103,300	107,918
New Jersey.....	2,191,502	1,593,585	627,917	North Carolina.....	1,585,139	1,460,388	115,751
New York.....	6,471,895	5,782,761	689,134	Rhode Island.....	1,350,229	1,320,000	30,229
North Carolina.....	35,208	28,000	7,208	South Carolina.....	871,207	871,207	-----
Ohio.....	465,995	452,873	13,122	Vermont.....	152,604	144,624	8,070
Pennsylvania.....	8,012,452	7,595,747	416,705	Virginia.....	1,012,506	1,012,506	-----
Rhode Island.....	2,851,109	2,147,554	703,555				
South Carolina.....	1,600	1,600	-----				
South Dakota.....	3,539	3,539	-----				
Tennessee.....	30,200	36,200	-----				
Texas.....	4,375,800	4,375,800	-----				
Vermont.....	3,041,367	2,819,446	221,921				
Virginia.....	3,075,477	3,070,299	5,178				
Washington.....	6,219,550	6,219,550	-----				
Wisconsin.....	167,453	167,453	-----				
Wyoming.....	4,650	4,650	-----				
Other States, n. s.....	328,870	-----	328,870				
Canada.....	3,152	-----	3,152				
Foreign, n. s.....	1,363,050	1,363,050	-----				

Number of establishments reporting:

Footnotes	All classes	General contractors	Sub-contractors	Footnotes	All classes	General contractors	Sub-contractors	Footnotes	All classes	General contractors	Sub-contractors	Footnotes	All classes	General contractors	Sub-contractors
¹	270	123	156	⁴	20	7	13	⁷	2	-----	2	¹⁰	14	6	8
²	132	49	83	⁵	3	3	-----	⁸	1	1	-----				
³	10	3	7	⁶	2	1	1	⁹	18	11	7				

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

CLASSIFICATION OF ESTABLISHMENTS	Estab-lish-ments report-ing	PROPRIETORS AND FIRM MEMBERS			SALARIED EMPLOYEES								Sex not re-ported	
		Re-ceiving no sal-ary	Receiving salaries		All salaried employees		Officers and cler-ical 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
MASSACHUSETTS	1,581	702	461	\$1,588,230	4,803	\$13,266,493	2,699	\$7,661,286	2,104	\$5,615,207	4,356	3,507	849	447
Operative builders	39	34	14	40,772	25	42,251	9	12,129	16	30,122	23	18	5	2
General contractors	589	321	176	591,960	2,882	8,421,089	1,302	4,270,136	1,580	4,150,953	2,065	2,300	365	217
Building	460	260	150	505,438	2,120	6,220,854	1,018	3,282,315	1,102	2,938,599	1,955	1,008	287	165
Building not specialized	347	173	112	385,706	1,922	5,077,079	921	2,979,269	1,001	2,698,410	1,785	1,522	203	137
Commercial building only	22	10	4	13,480	59	158,014	36	98,396	23	60,218	43	35	8	10
Manufacturing building only	4	1	—	—	32	75,020	8	25,241	24	46,779	30	27	3	2
Residential building only	87	70	34	106,102	107	309,541	53	176,409	54	133,132	97	84	13	10
Highway	45	20	10	49,050	241	610,003	30	267,557	101	343,046	229	210	19	12
Bridge, culvert, and railroad	16	10	1	2,200	100	327,868	42	158,735	58	169,133	100	93	7	—
Grading	16	12	2	14,331	64	155,693	19	50,462	45	105,231	62	54	8	2
Street paving	13	6	2	6,713	88	275,638	36	107,385	52	108,251	67	52	15	21
Sewer, gas, water, conduit	14	7	2	10,100	60	193,018	23	88,767	43	104,551	65	57	8	1
Dam and reservoir	3	—	—	—	32	132,980	12	70,580	20	56,400	32	30	2	—
Waterworks	3	1	—	—	13	52,000	8	14,480	5	6,086	13	11	2	—
Dredging, river, harbor, etc.	7	1	—	—	54	221,288	27	70,081	27	150,307	30	34	5	15
Foundation	4	1	3	4,128	7	13,514	4	4,090	3	8,824	7	0	1	—
Central station, light and power plant	5	2	—	—	83	214,897	29	81,685	54	133,212	82	71	11	1
Other classes ¹	8	2	—	—	14	32,906	4	6,493	10	20,473	14	14	—	—
Subcontractors	753	347	271	955,498	1,896	4,803,153	1,388	3,360,021	508	1,434,132	1,068	1,189	479	228
Carpentering and wood flooring	8	6	3	7,254	19	50,575	11	25,083	8	25,482	19	15	4	—
Concrete	16	9	7	25,005	55	150,715	39	109,760	16	40,925	65	44	11	—
Electrical	123	44	34	114,610	343	723,330	270	582,591	73	190,748	296	196	100	47
Elevator construction	8	—	—	5,000	53	142,017	36	82,789	22	59,228	57	51	6	—
Heating and plumbing	314	159	116	370,147	703	1,737,873	542	1,269,853	106	468,020	628	434	104	80
Heating and piping ²	91	41	20	66,049	303	791,538	219	566,019	84	225,519	274	203	71	29
Plumbing	145	79	60	200,024	257	600,173	210	450,131	47	150,042	251	148	83	29
Plumbing and heating combined	78	39	36	110,074	143	346,162	113	253,703	35	92,456	123	83	40	25
Masonry	29	28	5	11,500	25	49,300	17	30,474	8	18,323	25	20	5	—
Painting and decorating	67	39	29	143,334	135	379,890	101	280,400	34	93,400	121	80	41	14
Glass and glazing	13	1	—	38,544	35	45,661	24	39,719	5	5,942	28	16	0	—
Plastering and lathing	23	12	16	59,388	40	108,241	24	51,349	10	46,802	38	27	9	4
Roofing and sheet metal work	23	12	30	104,035	149	373,036	104	252,261	45	120,775	130	87	43	19
Roofing	29	16	12	44,638	60	160,292	36	63,627	24	42,665	49	35	14	11
Sheet metal work	23	6	13	46,317	43	143,146	32	69,503	11	43,643	41	26	14	3
Roofing and sheet metal combined	23	12	2	13,080	40	123,598	36	89,131	10	34,467	40	26	15	5
Steel erection	10	2	1	8,500	14	185,395	18	105,345	29	70,550	47	42	5	—
Stonework	4	1	—	3,000	47	25,247	11	16,158	3	9,059	4	3	1	10
Marble and tiling	24	2	11	30,516	96	250,811	77	188,003	19	61,008	76	57	19	20
Wrecking	5	—	—	—	23	67,049	13	70,120	10	16,020	18	13	5	5
Excavating and grading	13	3	4	19,585	32	88,204	22	62,384	10	25,820	21	17	4	11
Ornamental iron ³	12	4	—	—	07	190,774	46	136,487	21	54,287	55	40	15	12
Foundation	3	—	—	—	15	73,659	8	42,090	7	31,500	15	11	4	—
Other classes ⁴	6	—	—	—	41	141,367	25	55,667	16	84,700	39	36	3	2
BOSTON	408	158	101	437,452	2,144	6,169,865	1,159	3,555,351	991	2,614,514	1,065	1,694	381	178
Operative builders	3	2	—	—	6	10,192	2	1,340	4	8,852	4	3	1	2
General contractors	168	65	32	124,660	1,977	3,959,081	592	1,984,101	785	1,975,880	1,283	1,195	148	94
Building	129	64	28	100,570	1,126	3,091,812	477	1,533,356	649	1,557,956	1,084	942	112	72
Building not specialized	103	30	20	90,604	1,028	2,796,720	432	1,368,593	568	1,428,167	969	870	99	50
Commercial building only	12	13	—	—	39	98,431	20	47,838	10	50,593	31	26	5	8
Residential building only	11	6	8	10,506	59	196,161	25	110,956	34	79,206	54	46	8	5
Highway and grading	7	—	—	—	47	133,618	17	45,153	30	88,460	47	42	6	—
Bridge, culvert, and railroad	8	5	—	—	57	200,103	23	107,547	34	98,556	57	53	4	—
Street paving	9	4	—	—	58	216,988	30	141,688	28	75,300	37	24	13	21
Sewer, gas, water, conduit	7	2	—	—	36	102,062	16	50,920	20	45,142	35	30	5	1
Waterworks, dam and reservoir	3	—	—	—	21	85,072	14	65,486	7	20,186	21	17	4	—
Other classes ⁵	5	—	—	—	32	124,231	15	38,951	17	90,280	32	27	5	—
Subcontractors	287	91	69	312,792	761	2,199,692	559	1,569,910	202	629,782	678	496	182	83
Carpentering and wood flooring	4	2	1	6,048	16	43,641	11	25,093	6	18,548	16	12	4	—
Concrete	4	1	—	9,925	18	41,485	11	23,200	7	18,285	18	14	4	—
Electrical	42	10	10	32,738	126	363,308	95	250,031	31	97,277	120	79	41	6
Elevator construction	7	—	—	5,000	62	130,017	34	80,789	18	49,228	51	47	4	1
Heating and plumbing	88	34	32	106,298	243	688,276	191	505,911	67	182,365	217	161	56	31
Heating and piping ²	40	10	14	49,155	114	312,350	87	234,312	27	78,038	98	77	21	16
Plumbing	43	21	16	46,183	118	342,807	90	244,980	28	97,827	103	76	27	15
Plumbing and heating combined	5	3	2	10,960	18	38,119	14	26,619	2	6,500	16	8	8	—
Masonry	4	3	—	—	6	11,352	5	10,032	1	6,500	6	6	—	—
Painting and decorating	25	14	8	93,084	71	232,994	52	172,015	19	60,079	63	38	25	8
Glass and glazing	7	1	—	7,020	19	35,253	16	31,403	3	8,850	19	13	0	—
Plastering and lathing	13	5	7	30,660	35	102,071	20	56,843	15	45,228	32	26	6	3
Roofing and sheet metal work	15	9	2	7,800	36	102,577	28	75,039	8	27,538	29	19	10	7
Roofing	3	—	—	—	8	18,045	6	12,841	2	5,204	3	2	1	5
Sheet metal work	6	6	—	—	11	27,127	9	17,785	2	9,342	11	6	5	—
Roofing and sheet metal combined	6	3	—	—	17	57,405	13	44,413	4	12,992	15	11	4	2
Steel erection	4	—	—	—	16	66,014	7	34,614	9	31,400	16	14	2	—
Marble and tiling	11	—	—	8,400	65	170,089	55	135,607	10	34,482	50	37	13	15
Wrecking and excavating	3	—	—	5,819	21	65,170	7	33,970	4	11,200	6	4	2	6
Ornamental iron ³	4	—	—	—	11	71,884	14	59,292	7	12,592	14	11	3	7
Foundation	3	—	—	—	16	73,659	8	42,090	7	31,560	15	11	4	—
Other classes ⁴	3	2	—	—	6	11,872	5	7,972	1	3,900	6	4	2	—
CAMBRIDGE	48	14	11	48,10										

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

CLASSIFICATION OF ESTABLISHMENTS	Estab- lish- ments report- ing	PROPRIETORS AND FIRM MEMBERS		SALARIED EMPLOYEES										Sex not re- port- ed
		Re- ceiv- ing no sal- ary	Receiving salaries		All salaried employees		Officers and cler- ical 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	
CAMBRIDGE—Continued.														
Subcontractors.....	26	4	7	\$35,628	138	\$368,898	109	\$293,559	29	\$72,339	131	113	18	7
Concrete and stone work.....	3		1	8,000	19	59,820	17	53,476	2	6,344	13	10	3	6
Electrical.....	3		1	4,362	19	37,144	17	31,944	2	5,200	19	19		
Heating and plumbing.....	11		3	9,500	65	168,071	57	140,191	8	27,880	64	55	9	1
Heating and piping ⁹	7		1		56	152,093	48	124,813	8	27,880	56	49	7	
Plumbing.....	4		2	9,500	9	15,378	9	15,378			8	6	2	1
Roofing and sheet metal work.....	3				17	45,402	9	37,132	8	8,360	17	12	5	
Other classes ¹⁰	6		2	13,766	18	58,371	9	33,816	9	24,555	18	17	1	
FALL RIVER.....	35	15	20	63,261	109	240,470	64	148,898	45	91,572	109	84	16	9
General contractors.....	15	6	9	31,222	68	169,647	30	113,700	20	55,848	64	56	8	4
Building.....	11	5	8	28,622	43	182,013	31	103,075	12	29,538	30	34	5	4
Other classes ¹¹	4	1	1	2,600	25	37,034	8	10,724	17	26,310	25	22	3	
Subcontractors.....	20	0	11	32,029	41	70,823	25	35,000	16	35,724	36	28	8	5
Electrical.....	3	2	1	3,000	11	19,572	6	6,396	5	13,176	11	8	3	
Heating and plumbing.....	9	3	4	9,837	18	35,215	11	18,959	7	16,256	18	14	4	
Plumbing.....	6	3	3	7,023	6	9,804	5	7,304	1	2,500	6	3	3	
Plumbing and heating combined.....	3			2,814	12	25,411	6	11,655	6	13,756	12	11	1	
Other classes ¹²	8	4	6	10,192	12	16,036	8	9,744	4	6,292	7	6	1	5
LOWELL.....	17	8	6	14,304	40	86,339	31	63,139	9	23,200	36	22	14	4
General contractors.....	7	3	1	2,600	26	52,432	21	39,922	5	12,510	23	14	9	3
Building.....	7	3	1	2,600	26	52,432	21	39,922	5	12,510	23	14	9	3
Subcontractors.....	10	5	5	11,704	14	33,907	10	23,217	4	10,690	13	8	5	1
Plumbing and heating combined.....	5		5	11,704	5	7,240	4	4,249	1	3,000	5	3	2	
Other classes ¹³	5	5			9	26,658	6	18,968	3	7,690	8	5	3	1
LYNN.....	47	15	23	78,850	80	184,990	49	127,780	31	67,210	72	48	24	8
Operative builders.....	10	10	1	2,400	5	3,523	1	500	4	3,023	5	4	1	
General contractors ¹⁴	11	4	5	13,935	31	86,736	13	48,586	18	38,150	27	22	5	4
Subcontractors.....	26	1	17	62,515	44	104,731	35	78,604	9	26,037	40	22	18	4
Electrical.....	6		4	12,479	11	22,876	10	21,050	1	1,820	8	3	5	3
Heating and plumbing.....	8		2	13,260	15	46,237	12	30,076	3	10,161	14	9	5	1
Painting, decorating, and glazing.....	4		5	15,266	7	12,640	3	1,600	4	11,040	7	4	3	
Roofing and sheet metal work.....	5		5	18,390	6	10,438	6	10,438			6	3	3	
Other classes ¹⁵	3		1	3,120	5	12,540	4	9,524	1	3,010	5	3	2	
NEW BEDFORD.....	24	12	18	41,487	44	81,513	31	49,694	13	31,819	40	27	13	4
General contractors ¹⁶	8	8	8	15,080	14	26,355	8	10,242	6	16,113	14	9	5	
Subcontractors.....	16	4	10	26,407	30	55,158	23	39,452	7	15,706	26	18	8	4
Painting, decorating, and glazing.....	5	1	4	13,211	9	14,824	7	10,716	2	4,108	9	7	2	
Heating and plumbing.....	5	2	3	7,696	10	23,059	7	14,736	3	8,323	8	4	4	2
Other classes ¹⁷	6	1	3	5,500	11	17,275	9	14,000	2	3,275	9	7	2	2
SOMERVILLE.....	23	13	4	12,813	56	140,538	36	90,489	20	50,070	56	43	13	
Operative builders.....	3	3			7	13,567	3	7,020	4	6,547	7	7		
General contractors.....	7	3	3	9,713	17	53,459	7	24,759	10	28,700	17	16	1	
Building.....	4	1	1	3,000	9	31,659	7	24,759	2	6,900	9	8	1	
Other classes ¹⁸	3	2	2	6,713	8	21,800	8	21,800	8	21,800	8	8		
Subcontractors.....	13	7	1	3,100	32	73,513	26	58,000	6	14,823	32	20	12	
Heating and plumbing.....	7	4	1	3,100	10	18,052	9	15,252	1	2,800	10	5	5	
Roofing and sheet metal work.....	3	2			9	14,526	5	3,986	4	10,540	9	5	4	
Other classes ¹⁹	3	1			13	40,935	12	39,452	1	1,483	13	10	3	
SPRINGFIELD.....	59	26	18	49,198	333	1,082,487	124	437,946	209	644,521	309	205	44	24
General contractors ⁷	25	12	7	19,600	256	915,162	75	347,058	181	568,104	240	215	25	16
Building ⁷	22	10	7	19,600	235	868,142	71	326,658	164	541,184	219	195	24	16
Other classes ²⁰	3	2			21	47,020	4	20,100	17	26,920	21	20	1	
Subcontractors.....	34	14	6	29,598	77	167,305	49	90,888	28	76,417	60	50	10	8
Electrical.....	11	3	1	3,120	35	64,463	27	40,042	8	23,821	30	20	10	5
Heating and plumbing.....	10	4			14	36,810	5	14,136	9	22,674	14	13	1	
Heating and piping ⁹	6	4			14	18,768	2	4,320	6	14,448	8	7	1	
Plumbing.....	4				6	18,042	3	9,816	3	8,226	6	6		
Roofing and sheet metal work.....	7	4	3	18,158	10	19,147	7	10,701	3	8,446	10	6	4	
Roofing.....	4	2	2	14,118	6	10,209	4	4,888	2	5,326	6	3	3	
Roofing and sheet metal combined.....	3	2	1	4,040	4	8,938	3	5,813	1	3,120	4	3	1	
Other classes ²¹	6	3	2	8,320	18	46,885	10	25,409	8	21,476	15	11	4	3
WORCESTER.....	50	15	17	69,717	236	788,053	164	558,995	73	229,058	199	155	44	37
General contractors.....	22	7	5	28,360	160	538,596	111	388,036	49	149,060	144	113	31	16
Building.....	19	7	5	28,360	141	476,962	102	353,619	39	122,433	125	97	28	16
Building not specialized.....	16	6	2	20,000	138	473,320	100	352,423	38	120,897	123	95	28	15
Residential building only.....	3	1	3	8,360	3	2,632	2	1,096	1	1,536	2	2		1
Other classes ²²	3				19	62,644	9	35,417	10	27,227	19	16	3	

See footnotes at end of table.

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

CLASSIFICATION OF ESTABLISHMENTS	Establishments reporting	PROPRIETORS AND FIRM MEMBERS		SALARIED EMPLOYEES								Sex not reported		
		Receiving no salary	Receiving salaries		All salaried employees		Officers and clerical staff		Superintendents, foremen, etc.		Number reported, by sex			
			Number	Total annual salaries	Total number	Total annual salaries	Number	Total annual salaries	Number	Total annual salaries	Total		Male	Female
WORCESTER—Continued														
Subcontractors.....	28	8	12	\$41,857	76	\$249,457	53	\$170,050	23	\$79,398	55	42	13	21
Electrical.....	4				17	31,366	15	26,734	2	4,632	14	9	5	3
Heating and plumbing.....	6	2	3	10,790	16	56,662	12	41,762	4	14,900	8	4	4	8
Heating and piping ¹	3	1			12	62,140	8	37,240	4	14,900	4	3	1	8
Plumbing.....	3	1	3	10,790	4	4,522	4	4,522			4	1	3	
Roofing and sheet-metal work.....	8	5	3	14,967	13	40,592	6	10,978	7	20,614	13	9	4	
Roofing.....	4	3			7	12,139	4	7,738	3	4,401	7	5	2	
Sheet-metal work.....	4	2	3	14,967	6	28,453	2	3,240	4	25,213	6	4	2	
Marble, tiling, and plastering.....	3		4	11,440	4	13,930	4	13,930			4	4		
Other classes ²¹	7	1	2	4,160	20	106,907	16	76,655	10	80,252	16	16		10

- ¹ Includes air transport; and telephone line and system.
- ² Includes automatic temperature control.
- ³ Includes metal work, not elsewhere specified.
- ⁴ Includes street paving; sewer, gas, water, and conduit; dredging, river and harbor, etc.; and flooring, not elsewhere specified.
- ⁵ Includes dredging, river and harbor, etc.; and central station, light and power plant.
- ⁶ Includes dredging, river and harbor, etc.; metal work not elsewhere specified; and flooring, not elsewhere specified.
- ⁷ Includes operative builders.
- ⁸ Includes highway; bridge and culvert; street paving; and dredging, river and harbor, etc.
- ⁹ Includes plumbing and heating combined.
- ¹⁰ Includes painting and decorating; marble and tiling; excavating; and ornamental iron work.
- ¹¹ Includes highway; bridge and culvert; sewer, gas, water, and conduit; and dredging, river and harbor, etc.
- ¹² Includes masonry; painting and decorating; glass and glazing; plastering and lathing; roofing; and marble and tiling.
- ¹³ Includes electrical; painting and decorating; and roofing.
- ¹⁴ Includes building; highway; and telephone lines and system.
- ¹⁵ Includes steel erection; stone work; and marble and tiling.
- ¹⁶ Includes building; and highway.
- ¹⁷ Includes electrical; and roofing.
- ¹⁸ Includes street paving; sewer, gas, water, and conduit; and central station, light and power plant.
- ¹⁹ Includes painting and decorating; and steel erection.
- ²⁰ Includes bridge and culvert; grading; and central station, light and power plant.
- ²¹ Includes masonry; painting and decorating; plastering and lathing; marble and tiling; and excavating.
- ²² Includes highway; and sewer, gas, water, conduit.
- ²³ Includes masonry; painting and decorating; glass and glazing; steel erection; excavating; and ornamental iron.

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		
MASSACHUSETTS.....											
Classification of establishments											
Operative builders.....	37	3,218	23,206	3,316,768	478,574	MASSACHUSETTS—Con.					
General contractors.....	544	4,074,342	6,462,781	209,520,287	53,405,397	Classification of establishments—Continued					
Building.....	410	2,121,078	3,345,039	117,648,578	28,977,061	Subcontractors—Continued.					
Building not specialized.....	314	2,067,467	3,022,434	106,285,590	26,363,437	Plastering and lathing.....					
Commercial building only.....	21	15,396	69,865	2,975,757	724,873	Roofing and sheet-metal work.....					
Manufacturing building only.....	3	1,324	3,810	718,402	199,043	Roofing.....					
Residential building only.....	75	36,891	248,924	7,668,829	1,690,308	Sheet-metal work.....					
Highway.....	43	748,578	1,879,459	10,373,652	3,038,121	Roofing and sheet-metal combined.....					
Bridge, culvert, and railroad.....	16	165,331	1,034,093	5,000,687	1,784,239	Steel erection.....					
Grading.....	14	137,536	604,781	1,878,438	876,518	Stone work.....					
Street paving.....	11	170,888	458,320	4,777,947	1,175,790	Marble and tiling.....					
Sewer, gas, water, conduit.....	14	100,535	370,285	2,292,298	1,169,816	Wrecking.....					
Dam and reservoir.....	4	127,010	382,910	1,306,288	660,451	Excavating and grading.....					
Waterworks.....	3	4,800	12,316	182,606	32,049	Ornamental iron ³					
Dredging, river, harbor, etc.....	8	23,909	450,311	2,849,070	998,744	Foundation.....					
Foundation.....	4	16,819	34,862	248,659	84,180	Other classes ⁴					
Central station, light and power plant.....	8	409,990	752,337	62,609,109	14,502,286	Percentage of equipment owned					
Other classes ¹	3	48,368	138,081	250,985	105,542	General contractors ⁵					
Subcontractors.....	677	732,846	2,913,757	70,174,596	21,638,820	None.....					
Carpentering and wood flooring.....	8	22,331	23,813	679,420	217,577	1% to 25%.....					
Concrete.....	17	46,928	119,862	1,780,352	670,757	26% to 50%.....					
Electrical.....	106	60,227	376,769	9,419,412	3,288,075	51% to 75%.....					
Elevator construction.....	8	10,244	101,606	3,506,001	592,429	76% to 99%.....					
Heating and plumbing.....	276	208,744	788,733	25,648,523	8,328,489	100%.....					
Heating and piping ¹	79	65,633	305,809	10,953,562	2,312,232	Not reported.....					
Plumbing.....	124	116,009	270,494	9,013,710	2,532,465	Subcontractors.....					
Plumbing and heating combined.....	73	26,802	212,430	5,681,251	1,483,698	None.....					
Masonry.....	20	21,709	87,248	1,730,839	701,311	1% to 25%.....					
Painting and decorating.....	61	35,447	154,432	5,707,871	2,843,781	26% to 50%.....					
Glass and glazing.....	13	580	31,557	866,134	230,852	51% to 75%.....					

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		
BOSTON	379	\$2, 008, 494	\$4, 861, 585	\$161, 037, 068	\$39, 903, 102	CAMBRIDGE—Contd.					
<i>Classification of establishments</i>						<i>Percentage of equipment owned—Continued</i>					
Operative builders	3	900	3, 526	721, 442	174, 213	Subcontractors	25	\$76, 040	\$334, 261	\$5, 428, 722	\$1, 224, 907
General contractors	162	1, 819, 773	3, 865, 484	121, 608, 263	30, 045, 423	None					
Building	120	985, 076	1, 265, 160	40, 824, 449	12, 378, 976	1% to 25%					
Building not specialized	97	970, 422	1, 210, 334	45, 282, 076	11, 385, 198	26% to 50%					
Commercial building only	12	7, 764	32, 799	1, 938, 834	490, 526	51% to 75%					
Residential building only	11	6, 890	13, 027	2, 003, 539	503, 252	76% to 99%	1		12, 000	357, 454	70, 000
Highway and grading	7	186, 296	465, 667	2, 831, 028	951, 042	100%	24	76, 040	322, 261	5, 071, 268	1, 154, 907
Bridge, culvert, and railroad	7	132, 038	745, 107	2, 472, 820	1, 144, 575	Not reported					
Street paving	8	80, 584	242, 274	2, 779, 880	841, 232	FALL RIVER	37	96, 262	368, 370	3, 573, 088	1, 084, 375
Sewer, gas, water, conduit	7	72, 248	205, 631	1, 371, 268	766, 340	<i>Classification of establishments</i>					
Dam, reservoir, and water-works	4	27, 200	30, 816	896, 207	304, 576	General contractors	15	92, 200	323, 899	2, 292, 860	690, 340
Dredging, river, harbor, etc.	5	16, 328	359, 539	1, 904, 838	544, 952	Building	11	4, 045	160, 621	1, 569, 896	419, 594
Central station, light and power plant	4	331, 203	551, 290	59, 527, 704	13, 112, 830	Other classes ⁹	4	88, 245	163, 278	722, 964	270, 746
Subcontractors	214	187, 821	992, 575	28, 707, 363	9, 683, 466	Subcontractors	22	3, 972	32, 471	1, 280, 226	374, 035
Carpentering and wood flooring	5	100	16, 649	463, 338	126, 917	Electrical	3	1, 275	5, 759	289, 846	87, 076
Concreting	4	4, 098	6, 805	451, 404	167, 142	Heating and plumbing	10	723	14, 461	555, 179	124, 210
Electrical	35	25, 490	180, 234	4, 022, 021	1, 946, 268	Plumbing	6	445	7, 331	213, 230	52, 308
Elevator construction	7	9, 494	56, 566	3, 326, 323	563, 639	Plumbing and heating combined	4	278	7, 130	341, 959	71, 902
Heating and plumbing	76	90, 781	181, 420	9, 133, 188	2, 337, 534	Painting, decorating, and glazing	3	300	3, 670	154, 762	64, 561
Heating and piping ¹	35	17, 948	107, 627	4, 454, 725	950, 225	Other classes ¹⁰	6	1, 674	8, 581	230, 439	93, 188
Plumbing	36	71, 137	61, 670	3, 928, 802	1, 165, 533	<i>Percentage of equipment owned</i>					
Plumbing and heating combined	5	1, 606	12, 123	749, 661	221, 776	General contractors	15	92, 200	323, 899	2, 292, 860	690, 340
Masonry	5	713	4, 424	378, 728	166, 706	None	1			70, 933	10, 000
Painting and decorating	23	8, 957	60, 912	2, 964, 797	1, 733, 013	1% to 25%					
Glass and glazing	8	209	16, 978	554, 244	184, 003	26% to 50%	2	81, 035	89, 649	549, 339	173, 766
Plastering and lathing	9	1, 897	22, 388	1, 016, 542	461, 528	51% to 75%	2	4, 740	82, 095	470, 404	164, 165
Roofing and sheet metal combined	17	12, 901	79, 357	1, 720, 640	636, 010	76% to 99%	2	5, 615	161, 258	1, 202, 134	330, 503
Roofing	3	1, 077	13, 310	350, 579	74, 764	100%	10				
Sheet metal work	7	11, 503	44, 965	547, 933	258, 425	Not reported					
Roofing and sheet metal combined	7	321	21, 082	830, 828	302, 821	Subcontractors	22	3, 972	32, 471	1, 280, 226	374, 035
Steel erection	4	516	97, 754	656, 075	192, 043	None					
Marble and tiling	7	1, 752	15, 065	1, 843, 542	600, 827	1% to 25%					
Wrecking and excavating	3	11, 500	131, 559	536, 750	295, 027	26% to 50%					
Ornamental iron	5	5, 095	68, 627	606, 693	147, 429	51% to 75%					
Foundation	3	13, 120	41, 055	316, 302	100, 822	76% to 99%					
Other classes ⁸	3		12, 782	109, 711	44, 003	100%					
<i>Percentage of equipment owned</i>						Not reported					
General contractors ⁸	165	1, 820, 073	3, 869, 010	122, 329, 705	30, 219, 636	General contractors	16	12, 786	74, 679	1, 762, 908	532, 570
None	9			45, 227, 772	8, 924, 040	<i>Classification of establishments</i>					
1% to 25%	6	9, 912	19, 252	902, 797	218, 427	General contractors	8	11, 724	53, 899	1, 210, 899	366, 481
26% to 50%	9	9, 745	43, 278	2, 697, 485	539, 997	Building	8	11, 724	53, 899	1, 210, 899	366, 481
51% to 75%	14	60, 579	172, 935	4, 763, 982	1, 494, 923	Subcontractors	8	1, 062	20, 780	546, 009	166, 089
76% to 99%	48	406, 322	1, 542, 940	22, 072, 924	5, 968, 701	Heating and plumbing	4	79	13, 700	199, 601	61, 917
100%	70	526, 016	1, 427, 255	33, 717, 515	9, 631, 026	Other classes ¹¹	4	938	7, 080	346, 348	104, 172
Not reported	9	307, 599	663, 344	12, 947, 230	3, 467, 552	<i>Percentage of equipment owned</i>					
Subcontractors	214	187, 821	992, 575	28, 707, 363	9, 683, 466	General contractors	8	11, 724	53, 899	1, 210, 899	366, 481
None	12			1, 291, 933	373, 122	None					
1% to 25%	1		11, 435	42, 329	19, 398	1% to 25%					
26% to 50%	1	756	551	37, 000	14, 000	26% to 50%					
51% to 75%	1	516	897	297, 229	39, 934	51% to 75%					
76% to 99%	7	25, 741	83, 649	598, 628	202, 602	76% to 99%					
100%	185	159, 352	871, 343	25, 660, 710	8, 727, 919	100%					
Not reported	7	1, 456	24, 700	779, 478	246, 401	Not reported					
CAMBRIDGE	45	190, 667	661, 432	11, 786, 082	2, 664, 038	LOWELL					
<i>Classification of establishments</i>						<i>Classification of establishments</i>					
General contractors	20	114, 627	327, 171	6, 836, 360	1, 439, 131	General contractors	8	1, 062	20, 780	546, 009	166, 089
Building	10	12, 783	69, 192	2, 905, 527	825, 431	None					
Other classes ⁷	4	101, 844	257, 979	3, 430, 833	613, 700	1% to 25%					
Subcontractors	25	70, 040	334, 261	5, 428, 722	1, 224, 907	26% to 50%					
Concreting and stone work	3	1, 850	45, 630	509, 893	149, 760	51% to 75%					
Electrical	3	7, 857	28, 304	846, 440	68, 138	76% to 99%					
Heating and plumbing	9	32, 940	43, 366	2, 765, 272	594, 613	100%					
Heating and piping	5	31, 340	36, 478	2, 820, 598	432, 844	Not reported					
Plumbing and heating combined	4	1, 600	6, 888	447, 374	161, 774	LYNN	46	65, 873	272, 659	4, 477, 278	866, 250
Roofing and sheet metal work	3	780	36, 199	541, 094	112, 992	<i>Classification of establishments</i>					
Other classes ⁸	7	32, 613	180, 762	1, 202, 513	299, 404	Operative builders	11			813, 196	39, 136
<i>Percentage of equipment owned</i>						General contractors ¹²	11	60, 236	193, 342	2, 304, 682	406, 421
General contractors	20	114, 627	327, 171	6, 836, 360	1, 439, 131	Subcontractors	24	5, 637	79, 317	1, 350, 400	420, 693
None	1			59, 866	5, 030	Electrical	6	1, 076	10, 149	334, 982	114, 824
1% to 25%	1	14, 100	16, 284	131, 393	32, 321	Heating and plumbing	7	603	17, 833	494, 362	96, 635
26% to 50%	2	1, 026	12, 962	420, 913	134, 965	Painting and decorating	3	1, 452	3, 567	138, 560	80, 297
51% to 75%	6	95, 894	252, 117	4, 223, 900	841, 710	Roofing and sheet metal work	5	423	18, 724	198, 492	78, 051
76% to 99%	9	3, 607	41, 683	1, 121, 310	323, 715	Other classes ¹³	3	2, 051	20, 000	198, 094	50, 886
100%			4, 125	378, 978	96, 390						
Not reported	1										

See footnotes at end of table.

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

CLASSIFICATION OF ESTABLISHMENTS AND PERCENTAGE OF EQUIPMENT OWNED	Establishments reporting	EQUIPMENT		Value of construction business reported	Wages paid	CLASSIFICATION OF ESTABLISHMENTS AND PERCENTAGE OF EQUIPMENT OWNED	Establishments reporting	EQUIPMENT		Value of construction business reported	Wages paid
		Purchased during the year	Inventory value at end of year					Purchased during the year	Inventory value at end of year		
LYNN—Continued						SOMERVILLE—Contd.					
<i>Percentage of equipment owned</i>						<i>Percentage of equipment owned—Continued</i>					
General contractors ¹	22	\$60,236	\$198,342	\$3,117,878	\$445,567	Subcontractors—Continued.					
None	10			752,270	33,186	51% to 75%					
1% to 25%						76% to 99%	12	\$3,353	\$31,083	\$848,178	\$272,974
26% to 50%	1	35,000	70,520	212,000	27,500	100%					
51% to 75%	1	2,700	6,650	733,731	114,350	Not reported					
76% to 99%	1	2,330	13,407	482,487	56,653	SPRINGFIELD					
100%	8	19,256	101,605	906,789	210,223	64	154,687	375,776	27,038,320	5,997,739	
Not reported	1	950	1,160	30,601	3,095	<i>Classification of establishments</i>					
Subcontractors	24	5,637	79,317	1,359,400	420,693	General contractors ¹³	23	145,526	322,012	24,201,136	5,168,671
None						Subcontractors	31	9,161	53,763	2,777,184	829,168
1% to 25%						Electrical	9	1,479	9,531	602,579	200,232
26% to 50%						Heating and plumbing	11	3,198	25,346	1,089,870	243,565
51% to 75%						Heating and piping ¹⁴	5	843	17,500	659,079	134,240
76% to 99%						Plumbing	5	2,355	7,846	429,991	109,810
100%						Roofing and sheet metal work	5	2,296	5,528	230,706	63,164
Not reported	2	5,422	79,052	1,249,063	383,475	Other classes ¹⁵	6	2,188	13,358	854,220	322,207
	22	215	205	110,337	37,218	<i>Percentage of equipment owned</i>					
NEW BEDFORD						<i>Percentage of equipment owned</i>					
<i>Classification of establishments</i>						<i>Percentage of equipment owned</i>					
General contractors ¹⁴	6	7,487	61,025	649,077	187,880	General contractors	23	145,526	322,012	24,201,136	5,168,671
Subcontractors	12	2,393	55,957	487,462	129,740	None					
Painting, decorating, and glazing	4	650	25,300	150,496	40,038	1% to 25%					
Heating and plumbing	4	600	14,116	172,448	46,613	26% to 50%					
Other classes ¹⁵	4	1,243	16,541	164,513	37,089	51% to 75%	1	83,236	157,922	16,719,771	2,997,006
<i>Percentage of equipment owned</i>						<i>Percentage of equipment owned</i>					
General contractors	6	7,487	61,025	649,077	187,880	76% to 99%	5	26,427	88,006	3,461,001	1,011,049
None						100%	17	35,863	75,184	4,079,764	1,159,616
1% to 25%						Not reported					
26% to 50%						Subcontractors	31	9,161	53,763	2,777,184	829,168
51% to 75%						None					
76% to 99%	2	3,450	32,182	210,482	57,822	1% to 25%					
100%	4	4,037	28,863	438,595	129,998	26% to 50%	1	792	1,767	187,893	62,500
Not reported						51% to 75%	20	8,267	51,280	2,537,118	740,145
Subcontractors	12	2,393	55,957	487,462	129,740	76% to 99%	1	102	710	52,173	20,463
None						100%					
1% to 25%						Not reported					
26% to 50%	1	200	300	30,000	7,911	WORCESTER					
51% to 75%						46	55,503	299,117	12,534,795	3,374,223	
76% to 99%						<i>Classification of establishments</i>					
100%						<i>Percentage of equipment owned</i>					
Not reported	11	2,193	55,057	457,462	121,829	General contractors	19	31,489	200,380	9,720,465	2,714,541
SOMERVILLE						<i>Percentage of equipment owned</i>					
<i>Classification of establishments</i>						<i>Percentage of equipment owned</i>					
Operative builders	3	419	994	417,647	56,796	Building	16	19,009	183,728	9,255,842	2,517,991
General contractors	7	6,175	30,603	774,823	198,017	Other classes ¹¹	3	12,480	16,658	464,623	190,650
Building	4	325	8,221	418,890	68,012	Subcontractors	27	24,014	98,731	2,814,330	659,682
Other classes ¹²	3	5,850	22,382	355,933	137,405	Electrical	4	1,454	3,092	889,281	123,558
Subcontractors	13	3,353	31,683	904,678	325,014	Heating and plumbing	6	1,011	21,553	457,770	93,812
Heating and plumbing	6	390	7,733	326,543	98,657	Heating and piping ¹³	3	705	16,800	352,907	64,783
Roofing and sheet metal work	3	1,075	9,554	269,846	60,437	Plumbing	3	306	4,753	104,863	25,529
Other classes ¹⁷	4	1,888	14,396	308,289	165,870	Roofing and sheet metal work	2	7,760	27,392	488,494	109,991
<i>Percentage of equipment owned</i>						<i>Percentage of equipment owned</i>					
General contractors	10	6,594	31,597	1,192,470	252,813	Roofing	4	1,960	9,085	205,897	45,701
None						Sheet metal work	4	5,800	17,407	282,507	64,290
1% to 25%						Marble, tiling, plastering	3	590	3,142	163,434	57,882
26% to 50%	1	5,000	4,000	241,500	74,000	Other classes ¹²	6	13,229	43,552	1,315,441	275,139
51% to 75%	2	75	6,010	181,400	35,218	<i>Percentage of equipment owned</i>					
76% to 99%	1	250	1,500	20,300	8,200	General contractors	19	31,489	200,380	9,720,465	2,714,541
100%	5	850	19,878	617,770	112,854	None					
Not reported	1	419	209	172,500	22,541	1% to 25%	1		1,062	120,009	33,630
Subcontractors	13	3,353	31,683	904,678	325,014	26% to 50%	1	375	4,210	57,399	19,061
None						51% to 75%	1	600	15,065	149,415	46,845
1% to 25%						76% to 99%	15	30,154	180,043	9,340,842	2,611,606
26% to 50%	1	5,000	4,000	241,500	74,000	100%	1	300	40,800	3,400	
51% to 75%	2	75	6,010	181,400	35,218	Not reported					
76% to 99%	1	250	1,500	20,300	8,200	Subcontractors	27	24,014	98,731	2,814,330	659,682
100%	5	850	19,878	617,770	112,854	None					
Not reported	1	419	209	172,500	22,541	1% to 25%	1				
Subcontractors	13	3,353	31,683	904,678	325,014	26% to 50%	1	10,473	13,975	50,788	9,485
None						51% to 75%	1				
1% to 25%						76% to 99%	1	1,018	7,894	870,309	140,856
26% to 50%	1	5,000	4,000	241,500	74,000	100%	22	12,446	76,912	1,755,040	450,540
						Not reported	2	78	950	79,535	30,239

¹ Includes air transport work; and telephone line and system.
² Includes automatic temperature control.
³ Includes metal work, not elsewhere specified.
⁴ Includes street paving; sewer, gas, water and conduit; dredging, river and harbor, etc.; and flooring, not elsewhere specified.
⁵ Includes operative builders.
⁶ Includes dredging, river and harbor, etc.; metal work, not elsewhere specified; and flooring, not elsewhere specified.
⁷ Includes highway; bridge and culvert; street paving; and dredging, river and harbor, etc.
⁸ Includes painting and decorating; marble and tiling; excavating; and ornamental iron.
⁹ Includes highway; bridge and culvert; sewer, gas, water, and conduit; dredging, river, and harbor, etc.
¹⁰ Includes masonry; roofing; plastering and lathing; and marble and tiling.
¹¹ Includes electrical; painting and decorating; and roofing.
¹² Includes building; highway; and telephone line and system.
¹³ Includes glass and glazing; steel erection; and stone work.
¹⁴ Includes building; and highway.
¹⁵ Includes electrical; and roofing.
¹⁶ Includes street paving; sewer, gas, water, and conduit; and central station, light and power plant.
¹⁷ Includes concreting; painting and decorating; and steel erection.
¹⁸ Includes operative builders; building; bridge and culvert; and central station, light and power plant.
¹⁹ Includes plumbing and heating combined.
²⁰ Includes painting and decorating; plastering and lathing; masonry; marble and tiling; and excavating.
²¹ Includes highway; and sewer, gas, water, and conduit.
²² Includes masonry; painting and decorating; steel erection; excavating; and ornamental iron.

CONSTRUCTION—MASSACHUSETTS

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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 report-ing	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	
MASSACHUSETTS	1,305	28,526	27,684	28,597	34,394	40,142	44,286	49,092	52,809	52,276	50,423	47,178	40,868	\$77,442,430
<i>Classification of establishments</i>														
Operative builders.....	33	119	133	133	173	271	316	333	314	273	251	218	132	457,703
General contractors.....	555	19,282	18,472	19,257	24,258	29,467	33,168	37,534	40,951	39,918	38,149	35,608	29,812	54,030,476
Building.....	428	12,067	11,712	11,449	13,912	16,005	18,071	20,925	19,917	19,581	19,349	18,959	16,570	30,217,233
Building not specialized.....	328	11,251	10,885	10,557	12,821	14,690	16,594	18,438	18,489	18,092	17,949	17,513	15,871	27,683,473
Commercial building only.....	16	164	165	174	257	273	283	335	301	444	416	392	313	620,636
Manufacturing building only.....	3	20	30	91	71	68	106	79	62	84	149	202	176	199,043
Residential building only.....	81	632	632	627	703	974	1,088	1,065	1,013	961	835	852	719	1,705,081
Highway.....	44	553	461	620	1,359	2,226	2,720	3,256	3,076	2,908	3,037	2,103	1,268	3,002,026
Bridge, culvert, and railroad.....	14	468	432	521	797	868	992	1,118	1,027	1,009	1,082	950	742	1,420,160
Grading.....	15	217	232	308	462	590	708	826	794	814	740	513	288	885,158
Street paving.....	13	102	133	113	493	695	922	1,192	1,284	1,219	1,116	769	268	1,263,636
Sewer, gas, water, conduit.....	13	348	354	351	512	663	778	881	950	965	915	739	641	1,044,183
Dam and reservoir.....	4	203	191	201	250	268	329	535	580	659	525	596	274	660,451
Waterworks.....	3	11	14	10	7	5	6	8	36	37	35	37	30	32,049
Dredging, river, harbor, etc.....	6	365	248	273	350	371	450	468	468	442	452	430	352	803,666
Foundation.....	4	14	13	40	61	94	78	74	74	85	72	56	36	84,180
Central station, light and power plant.....	8	4,900	4,655	5,339	5,063	7,533	7,990	9,168	11,639	12,015	10,712	10,430	9,205	14,502,286
Other classes.....	3	34	27	26	92	140	124	107	98	94	114	116	90	105,542
Subcontractors.....	717	9,125	9,079	9,207	9,963	10,404	10,802	11,225	11,544	12,023	12,023	11,262	10,424	22,024,251
Carpentering and wood flooring.....	7	93	92	116	104	115	117	123	103	95	85	90	82	209,026
Concreting.....	17	253	237	215	344	416	429	453	451	470	404	423	424	670,757
Electrical.....	119	1,456	1,412	1,395	1,300	1,412	1,469	1,498	1,538	1,599	1,639	1,634	1,640	3,362,089
Elevator construction.....	8	236	221	215	206	206	223	249	246	262	255	241	205	592,429
Heating and plumbing.....	200	2,932	2,849	2,688	2,704	2,872	3,029	3,263	3,492	3,765	3,770	3,664	3,406	6,724,005
Heating and piping.....	94	1,086	1,047	992	1,010	1,046	1,166	1,329	1,411	1,584	1,634	1,605	1,378	2,709,054
Plumbing.....	126	1,179	1,110	1,049	1,114	1,160	1,180	1,240	1,314	1,340	1,299	1,255	1,295	2,573,004
Plumbing and heating combined.....	70	667	692	642	640	666	683	694	707	682	637	604	533	1,441,287
Masonry.....	29	250	260	308	386	360	412	463	385	363	401	319	306	679,424
Painting and decorating.....	65	863	852	1,071	1,298	1,321	1,391	1,393	1,466	1,678	1,586	1,281	992	2,875,076
Glass and glazing.....	11	80	79	78	76	85	82	89	83	87	80	91	97	198,353
Plastering and lathing.....	23	332	311	338	589	531	457	493	494	421	510	400	308	1,030,424
Roofing and sheet metal work.....	72	705	762	792	813	925	941	936	969	1,010	993	974	894	1,718,020
Roofing.....	29	144	183	240	202	311	327	296	317	314	317	281	220	412,200
Sheet metal work.....	24	335	341	318	300	317	327	331	352	392	398	404	398	724,701
Roofing and sheet metal combined.....	19	226	238	234	251	297	287	309	300	304	278	289	267	531,095
Steel erection.....	10	177	182	193	162	235	273	325	239	255	296	273	250	562,227
Stone work.....	4	33	50	50	45	58	60	66	50	50	50	59	31	100,500
Marble and tiling.....	24	536	560	530	502	526	526	503	588	624	571	586	571	1,436,410
Wrecking.....	4	143	133	143	175	162	109	194	194	200	165	130	136	321,230
Excavating and grading.....	12	133	160	170	224	264	244	249	248	236	201	219	147	403,436
Ornamental iron.....	14	216	202	197	162	192	214	228	243	222	237	226	213	398,761
Other classes.....	8	681	715	718	723	725	760	770	749	736	681	669	653	1,068,169
<i>Length of working week *</i>														
General contractors.....	588	19,401	18,005	19,390	24,431	29,738	33,484	37,867	41,265	40,191	38,400	35,916	29,044	54,518,170
40-hour, 5-day week.....	65	646	626	644	861	1,069	1,356	1,464	1,347	1,106	1,008	940	677	1,985,000
45-hour, 5-day week.....	1	5	7	4	7	8	8	9	8	8	9	6	4	12,721
50-hour, 5-day week.....	4	25	24	28	23	42	86	90	108	88	68	68	42	124,053
All other 5-day week.....	339	8,478	8,126	7,904	9,618	11,369	13,140	14,849	15,899	15,104	14,870	14,455	12,800	24,135,466
44-hour, 5½-day week.....	1	1	1	1	1	1	1	1	1	1	1	1	1	10,000
49½-hour, 5½-day week.....	20	1,877	1,789	1,874	2,147	2,317	2,224	2,355	2,270	1,882	2,046	1,800	1,604	2,420,142
All other 5½-day week.....	84	4,027	3,753	4,491	6,095	7,512	8,337	9,472	11,407	12,039	11,256	10,619	8,378	13,717,935
48-hour, 6-day week.....	50	2,224	2,294	2,453	3,233	4,495	5,110	5,928	6,462	6,117	5,573	5,063	4,013	6,900,709
54-hour, 6-day week.....	9	1,740	1,636	1,698	1,947	2,310	2,494	2,833	2,823	2,739	2,620	2,185	1,634	3,855,828
60-hour, 6-day week.....	11	336	316	305	425	480	635	754	848	823	810	756	500	1,074,244
All other 6-day week.....	3	28	20	35	55	60	50	62	63	67	73	42	48	136,364
All other not designated.....	4	12	14	14	15	18	19	27	27	23	26	19	16	49,622
Not reported.....														
Subcontractors.....	717	9,125	9,079	9,207	9,963	10,404	10,802	11,225	11,544	12,023	12,023	11,262	10,424	22,024,251
40-hour, 5-day week.....	211	3,016	2,825	2,854	3,183	3,247	3,389	3,596	3,847	4,171	4,169	3,804	3,440	8,225,651
45-hour, 5-day week.....	1	5	7	4	7	8	8	9	8	8	9	6	4	12,721
50-hour, 5-day week.....	6	130	131	116	133	169	190	227	234	234	230	241	160	369,025
All other 5-day week.....	393	4,039	4,035	4,147	4,390	4,701	4,910	5,004	5,004	5,216	5,251	4,901	4,608	9,650,807
44-hour, 5½-day week.....	4	24	24	30	35	33	32	36	36	29	28	20	20	55,800
49½-hour, 5½-day week.....	30	470	479	483	632	551	598	608	608	572	605	594	523	1,051,723
All other 5½-day week.....	47	427	473	497	608	645	661	624	626	632	589	592	430	1,211,905
48-hour, 6-day week.....	9	82	82	85	95	129	121	118	142	110	136	117	92	179,582
54-hour, 6-day week.....	1	1	1	1	1	1	1	1	1	1	1	1	1	17,352
60-hour, 6-day week.....	15	264	257	270	270	263	258	339	308	331	293	236	242	501,285
All other 6-day week.....	5	651	693	692	687	684	727	728	690	696	636	583	644	1,498,400
All other not designated.....	5	17	15	21	27	43	32	36	44	39	40	26	28	69,107
Not reported.....														
BOSTON	399	14,138	13,632	14,337	16,484	18,860	20,861	23,471	27,109	27,393	25,728	24,749	22,462	40,898,861
<i>Classification of establishments</i>														
Operative builders.....	3	15	27	32	43	66	104	145	125	91	75	77	50	174,213
General contractors.....	163	10,174	9,765	10,476	12,322	14,676	16,546	18,803	22,279	22,244	20,668	20,111	18,146	30,391,746
Building.....	121	4,331	4,313	4,123	4,701	5,536	6,402	7,120	8,293	7,559	7,196	7,514	7,331	12,879,772
Building not specialized.....	99	4,107	4,072	3,871	4,365	5,083	5,930	6,554	7,679	6,916	6,449	6,939	6,850	11,890,037
Commercial building only.....	10	106	105	108	188	188	197	225	267	339	305			

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

CLASSIFICATION OF ESTABLISHMENTS AND LENGTH OF WORKING WEEK	Establishments reporting	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY												Wages paid during year
		January	February	March	April	May	June	July	August	September	October	November	December	
BOSTON—Continued														
<i>Classification of establishments—Con.</i>														
Subcontractors.....	233	3,949	3,740	3,829	4,119	4,118	4,211	4,523	4,705	5,058	4,983	4,561	4,250	\$10,332,902
Carpentering and wood flooring.....	5	50	47	67	46	57	55	61	48	44	37	45	39	126,917
Concreting.....	4	62	58	63	76	83	90	86	72	94	90	110	128	167,142
Electrical.....	43	858	828	807	767	801	839	854	886	878	891	878	881	1,055,744
Elevator construction.....	7	226	210	208	196	195	213	239	236	252	244	250	254	663,689
Heating and plumbing.....	84	1,098	1,001	915	952	945	1,013	1,107	1,208	1,304	1,273	1,199	1,166	2,503,941
Heating and piping.....	40	470	416	385	371	372	433	495	526	553	559	520	470	1,052,362
Plumbing.....	39	551	509	463	501	488	478	519	577	625	594	556	611	1,219,803
Plumbing and heating combined.....	5	77	76	67	80	85	102	93	105	126	120	113	85	221,776
Masonry.....	5	28	36	55	103	65	60	71	73	47	73	49	20	166,706
Painting and decorating.....	23	487	463	597	646	632	702	717	763	963	865	688	487	1,672,147
Glass and glazing.....	6	58	84	80	64	67	53	59	62	56	53	59	62	120,503
Plastering and lathing.....	12	250	189	184	380	362	274	334	355	303	387	278	216	708,004
Roofing and sheet metal work.....	16	247	264	254	277	202	270	306	311	351	364	355	320	663,295
Roofing.....	3	12	26	43	67	60	58	63	65	60	72	51	49	74,764
Sheet metal work.....	7	141	137	118	103	99	101	116	151	157	166	165	165	304,623
Roofing and sheet metal combined.....	6	94	101	96	117	133	122	142	130	140	136	138	115	283,908
Steel erection.....	4	38	53	64	50	52	88	102	78	110	91	84	74	192,043
Marble and tiling.....	11	325	339	338	304	310	304	311	317	349	359	370	391	948,078
Wrecking and excavating.....	3	117	117	127	148	128	128	153	158	158	123	93	103	265,027
Ornamental iron.....	5	71	64	62	52	66	71	72	79	82	77	67	71	147,429
Other classes.....	5	34	27	41	56	64	45	51	74	67	50	56	29	131,637
<i>Length of working week*</i>														
General contractors.....	160	10,189	9,773	10,503	12,365	14,742	16,050	18,948	22,404	22,335	20,743	20,158	18,202	30,565,959
40-hour, 5-day week.....	8	183	173	194	194	355	494	586	438	357	223	216	172	669,324
All other 5-day week.....	1	16	15	19	14	17	14	16	13	15	15	14	15	39,000
44-hour, 5½-day week.....	116	4,072	4,126	4,039	4,500	5,272	6,137	6,833	8,089	7,335	7,199	7,452	7,226	12,553,958
All other 5½-day week.....	3	64	50	48	176	196	231	256	243	222	200	172	122	259,722
48-hour, 6-day week.....	18	3,365	3,018	3,550	4,430	5,875	5,794	6,649	8,601	9,273	8,540	7,841	7,077	10,856,991
54-hour, 6-day week.....	11	593	611	803	913	1,302	1,528	2,005	2,238	2,444	2,070	2,282	1,800	2,422,190
60-hour, 6-day week.....	4	1,714	1,631	1,095	1,803	1,681	2,186	2,349	2,523	2,422	2,267	1,995	1,672	3,523,512
All other 6-day week.....	3	181	155	136	191	193	219	202	222	192	163	188	191	359,823
All other not designated.....	1	3	7	18	38	46	38	42	28	64	46	10	10	62,364
Not reported.....	1	8	6	6	7	8	9	10	9	11	11	9	8	21,465
Subcontractors.....	233	3,049	3,740	3,829	4,110	4,118	4,211	4,523	4,705	5,058	4,983	4,561	4,250	10,332,902
40-hour, 5-day week.....	123	2,154	1,961	1,981	2,200	2,168	2,248	2,402	2,607	2,825	2,770	2,428	2,186	5,743,767
All other 5-day week.....	1	16	13	14	16	19	17	19	13	14	13	12	13	28,716
44-hour, 5½-day week.....	85	1,351	1,350	1,393	1,438	1,457	1,468	1,561	1,560	1,643	1,653	1,652	1,591	3,414,510
All other 5½-day week.....	6	115	114	111	103	109	119	117	130	141	144	129	119	244,106
48-hour, 6-day week.....	8	109	121	125	137	163	156	148	163	170	165	160	141	437,134
54-hour, 6-day week.....	2	14	8	6	6	6	7	6	7	6	8	10	7	20,853
All other 6-day week.....	7	180	173	194	194	183	180	250	213	241	200	151	166	421,316
All other not designated.....	1	10	10	15	25	18	16	20	22	18	30	10	27	22,500
CAMBRIDGE														
<i>Classification of establishments</i>														
General contractors.....	17	157	200	221	436	506	709	882	1,036	998	758	633	334	1,110,427
Subcontractors.....	26	487	510	451	504	543	627	688	730	835	802	842	792	1,486,332
Concreting and stone work.....	3	56	73	35	29	47	66	98	111	115	112	116	141	149,780
Electrical.....	3	39	39	41	41	39	44	44	47	52	57	50	57	68,133
Heating and plumbing.....	9	183	173	163	213	250	310	339	326	426	432	498	436	757,185
Heating and piping.....	5	130	137	128	177	196	242	268	265	381	390	431	324	593,923
Plumbing and heating combined.....	4	44	36	35	36	54	68	71	61	45	42	67	112	163,262
Roofing and sheet metal work.....	3	45	61	55	55	66	63	57	57	56	66	65	60	112,902
Other classes.....	8	164	174	157	160	141	144	150	189	186	135	107	98	398,262
<i>Length of working week*</i>														
General contractors.....	17	157	200	221	436	506	709	882	1,036	998	758	633	334	1,110,427
40-hour, 5-day week.....	1	3	3			5	7	7	5	4	4	4	3	5,030
All other 5-day week.....	13	100	113	179	283	282	368	478	541	475	323	305	217	660,660
44-hour, 5½-day week.....	2	4	47	11	134	192	288	350	412	449	363	268	74	319,141
48-hour, 6-day week.....	1	50	37	31	10	27	56	47	78	70	68	50	40	125,596
All other 6-day week.....														
Subcontractors.....	26	487	510	451	504	543	627	688	730	835	802	842	792	1,486,332
40-hour, 5-day week.....	7	151	157	126	145	190	233	266	262	346	396	465	449	648,282
All other 5-day week.....	1	61	60	44	56	72	99	131	135	100	118	115	91	176,911
44-hour, 5½-day week.....	11	210	220	182	177	177	189	176	224	239	195	185	184	426,377
49½-hour, 5½-day week.....	1	5	5	8	9	10	11	11	10	10	10	11	13	20,392
All other 5½-day week.....	2	7	9	14	18	14	18	21	23	9	19	16	17	34,770
48-hour, 6-day week.....	4	53	59	77	90	80	77	83	76	71	64	50	38	179,580
FALL RIVER														
<i>Classification of establishments</i>														
General contractors.....	15	183	205	214	261	372	442	529	567	646	599	599	493	690,340
Building.....	11	148	178	180	200	300	315	318	312	308	267	306	280	419,594
Other classes.....	4	35	27	34	61	72	127	211	255	340	332	293	233	270,746

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	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	
FALL RIVER—Continued														
<i>Classification of establishments—Contd.</i>														
Subcontractors.....	21	107	192	178	204	208	226	208	200	214	270	210	106	\$360,406
Electrical.....	3	39	36	38	41	44	49	47	37	40	59	60	51	87,076
Heating and plumbing.....	9	61	68	60	71	62	68	63	67	67	69	68	64	117,871
Plumbing.....	5	25	24	24	25	22	25	25	29	25	42	27	25	38,769
Plumbing and heating combined.....	4	36	44	36	46	40	43	38	38	42	42	43	40	71,002
Painting, decorating, and glazing.....	3	21	23	24	30	35	34	29	39	41	86	35	33	64,561
Other classes ¹⁰	6	76	65	56	62	67	75	69	57	57	50	47	48	98,188
<i>Length of working week*</i>														
General contractors.....	15	183	205	214	261	372	442	529	507	646	500	500	493	690,340
44-hour, 5½-day week.....	9	138	173	167	180	266	285	252	261	260	231	227	165	840,107
All other 5½-day week.....	2	24	17	20	46	62	83	132	164	135	117	89	134	158,501
48-hour, 6-day week.....	1							40	64	165	200	175	85	80,432
54-hour, 6-day week.....	1	11	10	14	15	10	44	39	27	40	15	20	14	22,813
All other 6-day week.....	1				5	22	23	55	38	28	18	18	14	47,487
Not reported.....	1	10	5	13	15	12	7	11	13	18	18	14	21	32,000
Subcontractors.....	21	107	192	178	204	208	226	208	200	214	270	210	106	360,406
44-hour, 5½-day week.....	18	132	175	160	181	185	206	186	184	197	261	198	182	331,903
49½-hour, 5½-day week.....	2	11	13	14	19	19	16	18	12	13	15	10	10	22,604
48-hour, 6-day week.....	1	4	4	4	4	4	4	4	4	4	4	4	4	5,989
LOWELL														
<i>Classification of establishments</i>														
General contractors.....	7	123	132	131	208	204	289	245	272	254	280	241	160	352,511
Building.....	7	123	132	131	208	204	289	245	272	254	280	241	160	352,511
Subcontractors.....	9	95	121	116	106	105	104	94	91	99	106	99	90	175,651
Heating and plumbing.....	5	40	48	48	35	38	38	30	34	43	44	51	41	71,479
Other classes ¹¹	4	55	73	68	71	67	66	55	57	56	62	48	49	104,172
<i>Length of working week*</i>														
General contractors.....	7	123	132	131	208	204	289	245	272	254	280	241	160	352,511
40-hour, 5-day week.....	4	43	21	33	67	65	143	104	125	103	107	76	38	113,812
44-hour, 5½-day week.....	3	80	111	98	141	139	146	141	147	151	173	165	122	238,699
Subcontractors.....	9	95	121	116	106	105	104	94	91	99	106	99	90	175,651
40-hour, 5 day week.....	6	67	79	79	67	72	66	69	62	67	70	71	62	115,408
44-hour, 5½ day week.....	1	16	18	17	18	17	17	16	16	17	18	16	15	35,917
All other 5½ day week.....	2	12	24	20	21	16	21	8	13	15	13	12	13	24,320
LYNN														
<i>Classification of establishments</i>														
Operative builders.....	6	4	4	4	4	17	30	34	36	24	53	40	4	29,411
General contractors ¹²	10	103	151	172	284	368	385	312	307	237	262	236	189	368,224
Subcontractors.....	24	133	170	182	189	233	231	219	252	232	234	222	201	468,871
Electrical.....	5	37	38	37	36	43	47	48	51	46	46	47	45	103,753
Heating and plumbing.....	7	45	44	46	44	55	56	64	90	83	79	76	71	143,447
Heating and piping.....	3	17	16	17	20	27	28	40	42	40	42	42	42	79,292
Plumbing and heating combined.....	4	28	28	29	24	28	28	24	48	43	37	34	29	64,155
Painting, decorating, and glazing.....	4	30	29	32	41	60	56	55	53	48	55	50	35	87,998
Roofing and sheet metal work.....	5	35	36	35	36	40	36	31	33	34	34	31	27	78,051
Other classes ¹³	3	36	32	32	32	35	36	21	25	21	20	18	23	55,622
<i>Length of working week*</i>														
General contractors.....	16	107	155	176	288	385	415	346	343	261	315	276	193	397,635
40-hour, 5 day week.....	1	6	34	42	70	79	89	89	91	52	44	36	15	50,653
44-hour, 5½ day week.....	12	75	94	105	144	192	172	155	133	198	162	122	122	273,143
All other 5½ day week.....	2	14	15	17	18	44	25	40	62	46	43	18	16	31,196
54-hour, 6 day week.....	1	12	12	12	50	70	50	45	35	30	30	60	40	36,044
Subcontractors.....	24	133	179	182	189	233	231	219	252	232	234	222	201	468,871
40-hour, 5 day week.....	7	45	44	47	56	82	80	78	75	73	81	78	62	141,656
44-hour, 5½ day week.....	16	118	120	121	123	132	130	124	157	143	138	131	121	293,330
All other 5½ day week.....	1	20	15	14	10	19	21	17	17	16	16	13	18	33,886
NEW BEDFORD														
<i>Classification of establishments</i>														
General contractors ¹⁴	7	139	109	102	105	104	108	145	177	173	148	81	91	201,372
Subcontractors.....	14	85	85	100	103	114	108	107	105	114	114	118	110	166,737
Heating and plumbing.....	5	30	29	28	31	32	31	31	29	31	30	36	33	55,497
Painting and decorating.....	4	29	26	40	44	50	52	52	45	44	45	52	45	65,433
Other classes ¹⁵	5	26	30	32	28	32	25	24	31	39	33	30	32	44,813

See footnotes at end of table.

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

CLASSIFICATION OF ESTABLISHMENTS AND LENGTH OF WORKING WEEK	Establishments reporting	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY												Wages paid during year
		January	February	March	April	May	June	July	August	September	October	November	December	
NEW BEDFORD—Continued														
<i>Length of working week*</i>														
General contractors.....	7	139	109	102	105	104	108	145	177	173	148	81	91	\$201,372
44-hour, 5½-day week.....	4	117	86	79	44	43	47	88	122	118	92	02	09	121,893
All other 5½-day week.....	1	17	18	18	20	20	20	16	14	14	15	14	17	32,947
48-hour, 6-day week.....	2	5	5	5	41	41	41	41	41	41	41	5	5	46,632
Subcontractors.....	14	85	85	100	103	114	108	107	105	114	114	118	110	160,737
44-hour, 5½-day week.....	11	68	68	73	74	85	77	78	77	87	88	91	85	137,115
All other 5½-day week.....	1	9	9	10	10	10	12	12	11	10	10	10	8	12,788
48-hour, 6-day week.....	1	9	9	9	9	9	9	7	7	7	8	9	9	8,800
54-hour, 6-day week.....	1	8	8	8	10	10	10	10	10	10	8	8	8	8,043
SOMERVILLE	22	157	185	171	279	365	355	319	322	372	388	292	220	569,636
<i>Classification of establishments</i>														
Operative builders.....	3	13	13	11	26	65	56	40	33	23	8	8	8	56,791
General contractors.....	7	43	49	46	91	106	112	89	74	138	164	131	90	196,067
Building.....	4	11	15	14	31	20	26	24	17	41	59	31	29	58,056
Other classes 18.....	3	32	34	32	60	86	86	65	57	97	105	100	61	137,214
Subcontractors.....	12	101	123	114	162	194	187	190	215	211	216	153	122	316,860
Heating and plumbing.....	5	39	49	43	40	46	42	39	42	45	53	50	40	90,493
Roofing and sheet metal work.....	3	15	24	28	38	54	54	49	51	48	48	44	38	60,487
Other classes 17.....	4	47	50	43	84	94	91	102	122	118	115	59	44	165,870
<i>Length of working week*</i>														
General contractors 1.....	10	56	62	57	117	171	168	129	107	161	172	139	98	252,813
40-hour, 5-day week.....	1	9	9	5	15	9	9	7	2	3	7	7	2	15,104
44-hour, 5½-day week.....	6	15	19	20	42	78	73	57	48	61	60	32	35	100,214
48-hour, 6-day week.....	2	30	32	30	50	66	56	45	37	47	55	60	50	116,901
54-hour, 6-day week.....	1	2	2	2	10	20	30	20	20	50	50	40	2	20,504
Subcontractors.....	12	101	123	114	162	194	187	190	215	211	216	153	122	316,860
40-hour, 5-day week.....	3	49	49	40	44	50	48	48	69	61	59	43	42	100,745
44-hour, 5½-day week.....	6	43	53	51	84	101	95	101	106	112	120	75	54	148,787
All other 5½-day week.....	1	2	4	5	6	6	4	4	5	5	5	6	6	18,266
48-hour, 6-day week.....	2	7	17	18	28	37	40	37	35	33	32	29	20	49,052
SPRINGFIELD	58	2,560	2,081	1,659	2,451	3,184	3,655	4,420	4,320	4,309	4,336	3,562	2,814	6,026,135
<i>Classification of establishments</i>														
General contractors 2.....	22	2,210	1,691	1,224	2,055	2,766	3,227	4,005	3,896	3,849	3,876	3,144	2,426	5,146,752
Building.....	19	2,076	1,629	1,163	1,811	2,322	2,746	3,378	3,318	3,423	3,547	3,028	2,327	4,794,704
Other classes 18.....	3	134	62	61	244	444	481	627	578	426	329	116	99	352,048
Subcontractors.....	36	350	400	435	396	398	428	415	424	400	460	408	388	879,383
Electrical.....	11	83	82	88	77	79	77	88	98	100	106	92	84	238,063
Heating and plumbing.....	12	126	134	130	116	139	141	149	158	147	134	113	113	267,872
Heating and piping 19.....	7	60	74	68	56	66	70	72	68	83	79	65	65	148,553
Plumbing.....	5	66	60	62	60	73	71	75	81	75	64	55	48	109,319
Roofing and sheet metal work.....	8	38	39	58	57	62	64	55	63	66	66	53	48	93,739
Roofing.....	5	21	21	39	40	41	45	35	40	39	46	36	30	56,267
Roofing and sheet metal combined.....	3	17	18	19	17	21	19	20	23	27	20	17	18	37,472
Other classes 20.....	5	103	145	159	140	118	146	125	114	136	141	129	143	289,109
<i>Length of working week*</i>														
General contractors 2.....	22	2,210	1,691	1,224	2,055	2,766	3,227	4,005	3,896	3,840	3,876	3,144	2,426	5,146,752
40-hour, 5½-day week.....	18	1,980	1,522	1,048	1,576	2,102	2,529	3,179	3,030	3,218	3,263	2,706	2,059	4,459,233
All other 5½-day week.....	1	99	101	112	247	236	218	196	277	200	287	319	268	307,569
48-hour, 6-day week.....	1	16	10	10	30	25	25	21	18	16	17	10	16	26,765
54-hour, 6-day week.....	1	100	50	50	200	400	450	600	550	400	300	100	75	311,204
Not reported.....	1	15	8	4	2	3	5	9	12	15	9	9	8	42,000
Subcontractors.....	36	350	400	435	396	398	428	415	424	400	460	408	388	879,383
40-hour, 5-day week.....	4	21	24	33	30	31	29	34	32	41	35	34	28	70,083
44-hour, 5½-day week.....	28	301	348	376	341	343	378	367	369	381	384	337	330	738,233
All other 5½-day week.....	1	3	3	3	3	3	3	6	6	12	12	10	3	14,307
48-hour, 6-day week.....	2	15	14	16	11	12	11	11	10	19	19	17	16	28,760
All other 6-day week.....	1	10	11	8	11	9	7	7	7	7	10	10	11	28,010
WORCESTER	48	2,653	638	2,632	2,969	3,108	3,235	3,412	3,186	2,897	3,236	3,124	2,663	3,860,700
<i>Classification of establishments</i>														
General contractors 21.....	20	2,301	2,390	2,367	2,654	2,705	2,851	3,031	2,799	2,503	2,830	2,737	2,319	3,189,097
Subcontractors.....	28	282	248	265	315	403	384	381	387	304	406	387	334	671,603
Electrical.....	3	37	33	31	30	30	37	36	43	52	58	65	66	101,396
Heating and plumbing.....	7	27	22	23	23	27	33	35	40	44	46	39	37	86,064
Heating and piping.....	4	18	16	17	16	18	19	21	24	23	25	27	27	58,185
Plumbing.....	3	9	6	6	7	9	14	14	16	21	21	12	10	28,529
Painting, decorating, and glazing.....	3	27	29	29	37	50	54	49	40	59	46	42	37	85,083
Roofing and sheet metal work.....	8	63	57	57	59	76	85	77	92	88	78	89	92	109,991
Roofing.....	4	26	24	23	23	37	46	40	56	47	41	50	43	45,701
Sheet metal work.....	4	37	33	34	36	39	39	37	36	41	37	39	49	64,290
Other classes 22.....	7	108	102	125	160	220	175	184	172	151	178	152	102	285,469

See footnotes at end of table.

CONSTRUCTION—MASSACHUSETTS

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

CLASSIFICATION OF ESTABLISHMENTS AND LENGTH OF WORKING WEEK	Estab-lish-ments 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	Sep-tember	Octo-ber	No-vember	De-cember	
WORCESTER—Continued.														
<i>Length of working week *</i>														
General contractors.....	20	2,391	2,380	2,367	2,654	2,705	2,851	3,031	2,799	2,503	2,830	2,737	2,319	\$3,189,097
44-hour, 5½-day week.....	9	79	64	68	127	139	192	272	229	184	170	221	176	316,089
All other 5½-day week.....	1	1,599	1,520	1,574	1,479	1,513	1,393	1,418	1,162	1,014	1,228	1,131	1,008	1,299,366
48-hour, 6-day week.....	2	54	67	94	90	96	140	113	110	76	54	55	20	140,000
54-hour, 6-day week.....	6	613	655	534	534	524	990	1,081	1,148	1,040	1,166	1,110	987	1,229,719
All other 6-day week.....	2	40	84	97	124	133	136	147	151	189	212	220	128	203,923
Subcontractors.....	28	262	248	265	315	403	384	387	394	406	387	334	334	671,603
40-hour, 6-day week.....	2	22	24	24	38	46	50	44	35	54	42	38	33	82,582
44-hour, 5½-day week.....	19	170	167	173	212	248	237	237	249	250	247	249	232	467,438
All other 5½-day week.....	2	23	20	22	23	25	24	25	25	26	20	25	16	32,097
48-hour, 6-day week.....	1	10	8	5	6	15	17	16	6	13	11	15	13	12,095
54-hour, 6-day week.....	3	32	34	36	37	65	52	54	76	46	73	56	36	71,890
All other 6-day week.....	1	5	5	5	4	4	4	5	5	5	4	4	4	5,501

* For complete classification see tabulation for State, above.

- ¹ Includes air transport work; and telephone line and system.
- ² Includes automatic temperature control.
- ³ Includes metal work, not elsewhere specified.
- ⁴ Includes street paving; sewer, gas, water and conduit; dredging, river and harbor, etc.; and foundation.
- ⁵ Includes operative builders.
- ⁶ Includes dredging, river and harbor, etc.; foundation; metal work, not elsewhere specified; and flooring, not elsewhere specified.
- ⁷ Includes building; highway; and street paving.
- ⁸ Includes painting and decorating; marble and tiling; excavating; and ornamental iron.
- ⁹ Includes highway; bridge and culvert; sewer, gas, water and conduit; dredging, river and harbor, etc.
- ¹⁰ Includes masonry; plastering and lathing; roofing; and marble and tiling.
- ¹¹ Includes electrical; painting and decorating; and roofing.
- ¹² Includes building; highway; and telephone line and system.
- ¹³ Includes steel erection; stone work; and marble and tiling.
- ¹⁴ Includes building and highway.
- ¹⁵ Includes electrical and roofing.
- ¹⁶ Includes street paving; sewer, gas, water, and conduit; and central station, light and power plant work.
- ¹⁷ Includes concreting; painting and decorating; and steel erection.
- ¹⁸ Includes bridge and culvert; grading; and central station, light and power plant work.
- ¹⁹ Includes plumbing and heating combined.
- ²⁰ Includes painting and decorating; plastering and lathing; masonry; and marble and tiling.
- ²¹ Includes building; and sewer, gas, water, and conduit.
- ²² Includes masonry; plastering and lathing; steel erection; marble and tiling; excavating; and ornamental iron.

CONSTRUCTION—MASSACHUSETTS

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 let	Wages paid	Cost of materials	Salaries		Rent for		Interest	Contract bond premiums	Compensation and liability insurance premiums	All other overhead expenses
						Proprietors and firm members	Employees	Equip-ment	Offices, etc.				
MASSACHUSETTS	1,298	\$272,016,374	\$68,674,000	\$73,730,667	\$77,403,268	\$1,462,421	\$16,467,662	\$1,273,745	\$1,280,147	\$1,724,019	\$419,439	\$2,879,625	\$13,230,160
Operative builders.....	34	8,182,475	1,594,000	383,113	743,058	40,772	33,859	434	3,829	104,038	15	8,720	79,001
General contractors.....	530	196,057,045	64,809,000	50,051,920	45,836,754	517,250	11,756,985	1,161,800	680,705	1,400,411	382,747	1,910,472	7,936,678
Building.....	419	113,383,640	38,819,000	28,455,309	20,444,660	444,318	5,673,961	349,067	279,788	1,142,007	172,460	1,081,032	4,026,464
Building not specialized.....	313	102,049,745	35,002,000	25,818,038	20,257,718	334,326	5,101,743	324,124	242,900	1,000,611	153,492	1,008,151	3,715,610
Commercial building only.....	22	3,185,757	976,000	787,059	873,249	8,800	158,614	7,496	15,688	7,722	12,700	25,609	80,635
Manufacturing building only.....	4	763,423	210,000	220,855	203,584	-----	75,020	11,007	6,215	386	-----	8,930	17,880
Residential building only.....	80	7,384,715	2,631,000	1,629,357	2,110,115	101,192	238,579	6,441	14,985	73,288	6,262	38,342	212,320
Highway.....	38	9,004,753	865,000	2,039,650	2,963,815	35,460	556,891	311,420	17,539	57,105	88,370	135,638	1,013,420
Bridge, culvert, and railroad.....	16	5,018,413	260,000	1,793,347	1,754,251	2,200	324,368	59,189	23,456	88,307	40,335	109,231	349,872
Grading.....	13	1,571,831	56,000	749,161	274,818	14,331	114,064	31,183	6,616	9,266	2,050	24,396	176,061
Street paving.....	11	4,777,947	503,000	1,175,790	1,411,259	6,713	248,321	193,763	21,971	5,833	42,300	32,069	603,930
Sewer, gas, water, conduit.....	14	2,292,293	0,000	1,169,818	422,890	10,100	193,618	59,314	13,749	6,973	13,774	55,527	142,376
Dam and reservoir.....	4	1,399,253	38,000	690,451	224,251	-----	132,980	18,147	1,000	18,720	4,451	32,973	105,051
Waterworks.....	3	182,609	-----	32,049	100,685	-----	21,172	900	4,924	4,638	1,277	2,021	21,229
Dredging, river, harbor, etc.....	7	2,591,166	242,000	937,862	704,740	-----	243,001	500	15,250	6,714	9,510	29,023	181,466
Foundation.....	4	248,659	1,000	84,180	78,540	4,128	13,514	1,207	612	678	3,094	3,824	26,827
Central station, light and power plant.....	7	55,245,459	24,107,000	13,143,754	8,410,477	-----	4,301,559	129,013	275,098	57,847	5,099	307,525	1,262,950
Other classes ¹	3	250,985	2,000	105,642	46,169	-----	32,966	10,537	7,022	2,323	15	7,273	20,760
Subcontractors.....	725	72,779,854	2,181,000	22,395,634	30,822,546	904,399	4,076,818	111,451	615,613	219,570	36,677	600,433	5,213,887
Carpentering and wood flooring.....	7	569,770	86,000	190,194	186,371	7,264	35,308	-----	5,648	922	-----	4,581	29,141
Concreting.....	15	1,639,862	200,000	600,470	291,500	25,006	141,996	3,043	6,320	8,092	1,903	18,177	183,924
Electrical.....	119	9,718,383	7,000	3,415,953	3,879,988	111,110	675,097	2,525	119,007	34,650	3,589	63,324	889,221
Elevator construction.....	8	3,606,001	123,000	592,429	2,317,015	5,000	142,017	500	4,694	475	511	10,407	115,263
Heating and plumbing.....	307	28,113,169	1,250,000	6,844,979	14,165,297	358,987	1,731,058	8,717	232,040	89,138	20,152	126,341	1,724,560
Heating and piping.....	93	12,509,083	1,074,000	2,638,991	6,173,573	63,949	801,499	2,215	88,167	33,883	10,036	51,091	805,918
Plumbing.....	137	9,670,985	90,000	2,755,710	4,942,174	189,124	574,397	3,060	92,000	80,275	5,663	67,072	540,927
Plumbing and heating combined.....	77	5,933,101	86,000	1,550,272	3,040,550	105,914	355,162	3,442	51,783	18,980	4,464	20,208	377,705
Masonry.....	27	1,040,839	107,000	224,808	599,352	6,000	49,300	3,301	5,732	2,647	868	23,785	102,303
Painting and decorating.....	95	5,253,999	13,000	2,918,300	885,379	143,334	410,883	3,310	61,154	10,885	433	55,044	840,094
Glass and glazing.....	14	926,640	3,000	236,353	418,917	38,544	45,061	-----	23,878	2,853	10	5,911	75,963
Plastering and lathing.....	21	2,072,267	166,000	1,026,024	528,770	47,948	108,241	1,200	18,864	2,068	1,250	16,801	48,963
Roofing and sheet metal work.....	72	5,353,185	51,000	1,584,133	2,200,308	96,355	388,624	100	61,800	21,778	629	75,430	561,597
Roofing.....	25	1,094,138	27,000	395,162	640,399	44,638	125,468	100	19,102	13,870	204	28,869	262,040
Sheet metal work.....	23	1,834,960	4,000	565,608	801,937	46,317	143,146	-----	24,808	3,070	-----	16,747	164,800
Roofing and sheet metal combined.....	21	1,824,087	20,000	623,403	757,972	5,400	120,010	-----	17,890	5,326	362	20,824	134,757
Steel erection.....	10	2,359,545	47,000	562,227	1,111,055	6,580	185,395	13,141	5,573	8,665	55	49,970	170,311
Stone work.....	3	269,319	-----	93,320	55,000	8,000	19,975	-----	2,300	2,423	-----	3,102	40,982
Marble and tiling.....	22	4,054,547	97,000	1,212,161	1,831,432	36,516	220,341	2,659	23,334	10,238	221	17,121	304,802
Wrecking.....	4	648,513	-----	225,397	1,000	-----	71,479	2,200	16,821	6,309	1,019	14,920	124,053
Excavating and grading.....	10	707,925	-----	309,389	46,059	13,766	87,004	63,439	3,063	6,483	10	12,497	103,382
Ornamental iron.....	14	1,868,878	20,000	398,761	885,718	-----	190,774	-----	21,441	3,350	30	17,289	218,011
Foundation.....	3	316,302	-----	109,822	52,444	-----	73,659	-----	4,818	2,498	-----	7,843	34,788
Other classes ⁴	4	3,801,304	-----	1,444,502	1,966,932	-----	121,007	7,316	4,090	100	-----	128,890	71,439
BOSTON	397	148,177,471	43,077,000	38,641,388	34,830,272	420,543	9,866,294	709,375	768,777	342,834	201,377	1,240,760	6,129,752
General contractors.....	159	112,144,655	41,987,000	28,410,209	22,209,775	117,070	7,724,948	601,683	401,075	260,304	188,088	1,017,209	3,917,612
Building.....	121	48,380,544	16,977,000	12,310,311	11,841,606	109,570	2,788,669	254,205	142,899	113,167	86,687	477,451	2,127,468
Building not specialized.....	97	43,972,475	15,162,000	11,353,272	10,315,047	90,004	2,594,993	245,226	124,938	79,183	78,300	449,907	2,118,371
Commercial building only.....	13	2,148,834	679,000	552,712	630,878	-----	98,431	4,240	5,089	2,987	15,753	48,881	-----
Residential building only.....	11	2,259,235	1,136,000	404,327	390,087	10,506	125,245	4,739	8,932	28,895	5,400	11,701	50,200
Highway and grading.....	5	2,424,153	497,000	700,609	668,077	-----	123,663	75,165	5,971	13,142	24,683	57,089	118,221
Bridge, culvert, and railroad.....	7	2,481,655	59,000	1,153,683	547,989	-----	202,603	39,077	17,125	55,320	26,975	73,810	164,095
Street paving.....	8	2,779,880	333,000	841,232	742,124	-----	189,673	174,118	13,652	5,054	28,131	29,098	219,195
Sewer, gas, water, and conduit.....	7	1,371,268	5,000	766,340	161,856	7,500	102,062	44,765	9,080	2,214	7,413	38,385	66,478
Dam, reservoir, waterworks.....	4	896,207	-----	304,576	205,610	-----	85,672	2,975	4,804	10,597	5,328	25,443	97,491
Dredging, river, harbor, etc.....	4	1,040,634	241,000	484,070	472,028	-----	114,284	600	6,951	4,914	8,871	21,100	97,557
Central station, light and power plant.....	3	52,164,114	23,875,000	11,759,298	8,014,900	-----	4,118,322	100,878	260,590	55,896	-----	300,133	936,510
Subcontractors.....	238	31,032,816	1,000,000	10,231,179	12,620,497	303,473	2,131,316	17,692	297,702	76,530	13,289	223,551	2,212,140
Carpentering and wood flooring.....	3	322,133	86,000	86,800	71,143	6,048	23,374	-----	5,648	123	-----	1,453	19,730
Concreting.....	4	451,464	-----	167,142	68,335	9,925	41,485	300	1,770	1,328	500	2,016	101,229
Electrical.....	43	5,050,656	7,000	2,096,808	1,697,267	29,233	351,803	-----	53,630	15,991	1,317	40,559	502,194
Elevator construction.....	7	3,320,323	128,000	563,339	2,141,440	5,000	130,017	500	4,694	175	511	17,907	105,293
Heating and plumbing.....	89	10,217,139	531,000	2,504,111	5,168,898	106,208	601,204	600	91,911	21,994	8,391	43,021	556,387
Heating and piping.....	42	5,482,317	482,000	1,098,068	2,786,031	49,155	303,610	-----	13,547	13,547	4,401	21,676	317,683
Plumbing.....	41	3,985,161	75,000	1,183,377	2,019,231	46,163	324,475	600	38,092	7,979	2,500	18,902	197,712
Plumbing and heating combined.....	5	740,661	24,000	221,776	363,636	10,980	33,119	-----	5,642	378	1,340	2,443	41,092
Masonry.....	5	378,728	2,000	166,705	150,467	-----	11,382	-----	3,601	266	10	4,611	28,658
Painting and decorating.....	25	3,061,073	12,000	1,750,800	457,538	93,084	239,133	3,130	12,443</				

CONSTRUCTION—MASSACHUSETTS

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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.				
CAMBRIDGE	46	\$1,983,296	\$2,107,000	\$2,650,559	\$4,493,839	\$41,928	\$697,236	\$64,042	\$65,525	\$41,602	\$28,885	\$98,524	\$972,538
General contractors	21	6,512,100	1,485,000	1,442,631	2,008,336	7,800	366,198	27,928	32,282	25,745	22,749	59,508	650,784
Building	17	3,081,327	1,220,000	828,931	637,791	7,800	196,972	3,746	13,305	12,141	5,039	30,711	63,455
Other classes	4	3,430,833	266,000	613,700	1,370,545	-----	168,226	24,182	18,977	13,604	17,710	28,797	517,329
Subcontractors	25	5,471,136	622,000	1,207,928	2,484,903	34,128	332,038	37,014	33,243	15,857	6,136	39,016	391,754
Electrical	3	346,440	-----	68,133	172,896	4,362	37,144	-----	3,450	2,080	1,306	2,243	60,799
Heating and plumbing	10	2,820,948	440,000	607,505	1,222,133	8,000	166,971	-----	13,953	10,102	4,830	12,087	143,494
Heating and piping	7	2,443,055	440,000	465,467	1,041,507	-----	152,093	-----	12,393	9,607	4,830	11,465	133,265
Plumbing	3	377,893	-----	142,038	180,626	8,000	14,278	-----	1,560	495	-----	1,522	10,220
Roofing and sheet metal work	3	541,604	-----	112,992	327,461	-----	45,492	-----	6,741	830	-----	8,192	48,770
Other classes	9	1,762,144	182,000	419,298	762,413	21,766	82,431	37,014	0,099	1,945	-----	16,594	138,691
FALL RIVER	34	3,474,238	511,000	1,022,898	1,260,516	60,451	245,450	20,005	19,466	17,487	11,075	25,834	160,245
General contractors	15	2,292,860	492,000	690,340	658,984	31,222	169,647	19,977	7,361	14,219	8,324	18,635	104,383
Building	11	1,560,896	479,000	419,594	437,482	28,622	132,613	8,032	4,620	3,415	1,794	11,172	35,277
Other classes	4	722,964	13,000	270,746	221,502	2,000	37,034	11,946	2,735	10,804	6,530	7,463	69,106
Subcontractors	19	1,181,378	19,000	332,468	601,532	29,229	75,803	28	12,105	3,268	2,751	7,199	55,862
Electrical	3	289,846	-----	87,076	149,141	3,000	19,672	28	2,863	49	312	1,133	15,035
Heating and plumbing	8	489,772	11,000	106,435	286,529	7,037	40,195	-----	5,660	1,626	2,431	2,018	18,683
Plumbing	5	179,313	-----	43,455	92,311	4,223	7,494	-----	3,018	997	112	740	8,003
Plumbing and heating combined	3	310,459	11,000	62,950	194,213	2,814	32,731	-----	2,035	929	2,319	1,278	10,680
Other classes	8	401,700	8,000	138,957	165,862	19,192	16,036	-----	3,622	1,693	8	4,048	22,144
LOWELL	16	1,672,482	224,000	592,249	653,877	14,304	87,139	4,381	10,628	12,930	6,639	16,974	91,151
General contractors	8	1,216,899	220,000	366,481	451,612	2,000	60,232	2,821	5,126	12,178	6,639	15,000	55,814
Building	8	1,216,899	220,000	366,481	451,612	2,000	60,232	2,821	5,126	12,178	6,639	15,000	55,814
Subcontractors	8	455,583	4,000	135,768	199,265	11,704	26,907	1,560	5,502	752	-----	1,284	35,337
Heating and plumbing	4	147,232	1,000	40,620	76,434	11,704	4,249	1,660	1,826	193	-----	838	10,702
Other classes	4	308,351	3,000	95,148	122,831	-----	22,658	-----	3,676	559	-----	451	24,635
LYNN	44	4,365,580	1,326,000	813,393	1,848,950	76,250	175,439	6,297	27,528	44,812	21,147	31,558	169,625
Operative builders	11	813,196	495,000	39,130	156,442	2,400	3,523	-----	415	33,850	-----	1,850	18,369
General contractors	11	2,304,682	740,000	406,421	717,427	13,935	86,736	6,297	8,575	5,147	18,487	20,207	60,400
Subcontractors	22	1,247,702	91,000	367,746	476,081	59,915	85,180	-----	18,538	5,509	2,600	9,501	90,866
Electrical	4	178,274	-----	57,006	65,887	12,479	10,001	-----	3,917	122	-----	781	13,850
Heating and plumbing	8	698,125	39,000	130,742	251,252	13,260	46,237	-----	7,325	2,878	2,416	3,354	40,932
Painting and decorating	3	138,500	1,000	80,297	22,204	8,234	11,340	-----	900	139	244	1,753	6,956
Roofing and sheet metal work	4	134,049	1,000	48,815	44,571	15,790	9,086	-----	2,496	1,253	-----	1,716	7,821
Other classes	3	198,004	-----	50,880	92,107	10,152	8,510	-----	3,840	1,417	-----	1,897	22,207
NEW BEDFORD	21	1,083,082	61,000	342,233	411,193	30,047	71,973	3,527	14,755	7,074	795	11,049	110,531
General contractors	0	482,997	58,000	168,531	164,555	3,640	19,315	3,527	875	2,115	795	4,607	54,193
Subcontractors	15	600,085	3,000	173,702	246,638	26,407	52,658	-----	13,880	4,959	-----	6,442	56,338
Painting, decorating and glazing	5	192,604	-----	69,933	62,932	13,211	14,824	-----	4,936	3,643	-----	3,165	16,510
Heating and plumbing	5	217,517	-----	56,491	100,739	7,696	23,059	-----	3,956	936	-----	1,772	14,159
Other classes	5	189,874	3,000	47,278	82,967	5,500	14,775	-----	4,988	380	-----	1,505	25,669
SOMERVILLE	24	2,132,321	487,000	593,437	643,926	9,713	168,031	4,381	13,634	38,976	5,841	22,287	111,567
Operative builders	3	417,647	162,000	56,796	120,977	-----	13,587	219	1,245	22,695	10	1,323	13,890
General contractors	7	774,823	322,000	190,017	185,847	9,713	53,459	4,162	1,750	10,061	5,806	9,675	23,127
Building	4	418,800	247,000	58,612	72,647	3,000	31,659	500	1,150	8,734	400	1,955	9,135
Other classes	3	355,933	75,000	137,405	113,200	6,713	21,800	3,662	600	1,327	5,406	7,720	13,942
Subcontractors	14	939,851	3,000	340,624	337,102	-----	101,005	-----	10,539	6,320	25	11,269	74,580
Heating and plumbing	7	361,716	3,000	114,267	181,894	-----	17,012	-----	4,240	207	-----	1,700	27,720
Plumbing	3	123,659	-----	31,808	64,607	-----	6,772	-----	989	25	-----	426	9,113
Plumbing and heating combined	4	238,057	3,000	82,459	117,287	-----	10,240	-----	3,251	182	-----	1,274	18,607
Roofing and sheet metal work	3	269,846	-----	60,487	95,807	-----	43,058	-----	4,419	5,536	20	4,682	31,375
Other classes	4	308,289	-----	165,870	59,401	-----	49,935	-----	1,880	577	5	4,887	15,485
SPRINGFIELD	59	26,729,542	10,338,000	5,980,187	6,642,370	49,198	1,065,451	25,626	78,273	60,635	12,223	284,766	606,133
General contractors	24	23,784,181	10,225,000	5,113,340	5,358,640	19,600	903,602	25,618	44,533	72,374	11,409	262,429	555,917
Building	21	23,259,885	10,225,000	4,761,292	5,304,507	19,600	856,482	25,384	42,093	72,184	11,232	242,522	514,597
Other classes	3	524,296	-----	352,048	54,133	-----	47,920	234	2,440	190	177	19,907	41,320
Subcontractors	35	2,945,361	113,000	866,827	1,284,230	29,598	161,949	10	33,740	8,261	814	22,337	249,216
Electrical	11	712,449	-----	238,063	297,990	3,120	64,463	-----	11,662	2,347	275	3,380	64,589
Heating and plumbing	11	1,071,158	5,000	220,041	629,158	-----	36,810	-----	11,491	2,492	539	3,020	69,582
Heating and piping	7	766,303	-----	148,563	446,080	-----	18,798	-----	9,251	1,840	539	2,099	50,421
Plumbing	4	304,855	5,000	71,488	183,076	-----	18,642	-----	2,240	652	-----	921	19,161
Roofing and sheet metal work	7	307,525	17,000	85,916	106,222	-----	13,791	-----	2,529	2,220	-----	4,409	28,625
Roofing	4	187,569	17,000	48,444	65,165	-----	4,853	-----	5,707	2,220	-----	3,421	18,582
Roofing and sheet metal combined	3	119,959	-----	37,472	41,057	-----	8,938	-----	3,120	309	-----	988	10,043
Other classes	6	854,229	91,000	322,207	250,862	8,320	46,885	-----	4,880	893	-----	11,528	36,420

See footnotes at end of table.

CONSTRUCTION—MASSACHUSETTS

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							
			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.				
WORCESTER	47	\$10,746,188	\$1,612,000	\$2,955,042	\$4,088,792	\$38,277	\$626,865	\$23,129	\$34,885	\$15,945	\$12,618	\$114,935	\$398,010
General contractors.....	10	7,785,087	1,878,000	2,300,227	2,757,102	8,360	329,454	11,153	14,331	9,475	11,516	70,869	162,985
Building.....	16	7,320,464	1,559,000	2,103,677	2,629,497	8,360	266,810	4,465	12,005	6,346	10,160	70,114	139,988
Building not specialized.....	13	7,155,825	1,512,000	2,009,155	2,573,636	-----	264,178	4,465	10,935	5,986	9,794	68,404	137,134
Residential building only.....	3	104,639	47,000	34,521	55,861	8,360	2,632	-----	1,020	360	372	710	2,894
Other classes ²¹	3	464,623	19,000	190,550	127,605	-----	62,644	6,688	2,326	3,129	1,350	6,755	22,987
Subcontractors.....	28	2,960,081	34,000	654,815	1,331,690	29,917	297,411	11,976	20,554	6,470	1,102	38,066	235,025
Electrical.....	3	832,223	-----	101,390	158,455	-----	24,536	-----	2,116	478	139	1,452	16,088
Heating and plumbing.....	8	595,672	14,000	112,584	306,739	10,700	80,143	120	6,322	1,077	750	3,219	56,900
Heating and piping ⁸	5	490,809	13,000	84,055	252,198	-----	81,621	120	4,742	722	750	2,832	52,407
Plumbing.....	3	104,863	1,000	28,529	64,541	10,700	4,522	-----	1,580	355	-----	387	4,493
Roofing and sheet metal work.....	8	488,404	3,000	109,991	172,303	14,967	40,592	-----	6,101	516	-----	6,000	57,180
Roofing.....	4	205,807	-----	45,701	82,348	-----	12,139	-----	2,202	516	-----	3,866	35,807
Sheet metal work.....	4	282,507	3,000	64,290	90,015	14,967	28,453	-----	3,899	-----	-----	2,140	21,873
Other classes ²²	9	1,543,782	17,000	330,844	694,133	4,160	140,140	11,856	6,015	4,399	213	27,889	104,837

- ¹ Includes air transport work; and telephone line and system.
- ² Includes automatic temperature control.
- ³ Includes metal work, n. e. s.
- ⁴ Includes street paving; sewer, gas, water, and conduit; dredging, river and harbor, etc.; and flooring, n. e. s.
- ⁵ Includes operative builders.
- ⁶ Includes wrecking; dredging, river, harbor, etc.; metal work, not elsewhere specified; and flooring, not elsewhere specified.
- ⁷ Includes highway; bridge and culvert; street paving; and dredging, river and harbor, etc.
- ⁸ Includes plumbing and heating combined.
- ⁹ Includes masonry; painting and decorating; stone work; marble and tiling; excavating; and ornamental iron.
- ¹⁰ Includes highway; bridge and culvert; sewer, gas, water, and conduit; dredging, river and harbor, etc.
- ¹¹ Includes masonry; painting and decorating; glass and glazing; plastering and lathing; roofing; and marble and tiling.
- ¹² Includes electrical; painting and decorating; and roofing.
- ¹³ Includes building; highway; and telephone line and system.
- ¹⁴ Includes glass and glazing; steel erection; and stone work.
- ¹⁵ Includes building; and highway.
- ¹⁶ Includes electrical; and roofing.
- ¹⁷ Includes street paving; sewer, gas, water, and conduit; and central station, light and power plant.
- ¹⁸ Includes concreting; painting and decorating; and steel erection.
- ¹⁹ Includes bridge and culvert; grading; and central station, light and power plant work.
- ²⁰ Includes masonry; painting and decorating; plastering and lathing; marble and tiling; and excavating.
- ²¹ Includes highway; sewer, gas, water, conduit.
- ²² Includes masonry; painting and decorating; glass and glazing; steel erection; marble and tiling; excavating; and ornamental iron.

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		
MASSACHUSETTS						MASSACHUSETTS—Continued					
All kinds of material.....	\$88,448,089	-----	\$884.93	\$53,579,104	\$34,868,985	Distributed by kind—Continued.					
Distribution not reported.....	22,266,923	25.2	-----	14,040,592	8,229,331	Roofing and sheet metal.....	\$2,402,073	3.6	\$13.97	\$242,374	\$2,159,699
Distributed by kind.....	66,181,166	100.0	-----	39,538,512	26,642,654	Finished flooring (other than cement, wood, or tile).....	181,877	.2	.94	137,232	24,645
Sand, gravel, stone, slag, cinders, etc.....	5,409,251	8.2	31.40	5,209,839	199,412	Screens, shades, awnings, etc.....	96,868	.1	.50	58,560	38,108
Brick (face, common, fire, paving, etc.).....	2,915,237	4.4	16.90	2,831,799	283,438	Heating and ventilating equipment.....	6,477,325	9.8	37.67	293,972	6,183,353
Tile (fireproofing).....	351,622	.5	2.04	342,971	8,651	Plumbing and gas-fitting equipment.....	5,034,241	7.6	29.28	200,358	4,833,883
Tile, facing, terra cotta, floor, and wall.....	1,272,506	1.9	7.40	316,301	956,205	Electrical appliances and supplies.....	5,647,399	8.5	32.85	1,667,014	3,979,485
Concrete and Cinder block.....	464,381	.7	2.70	437,342	27,039	Elevators, dumb-waiters, and equipment.....	2,315,855	3.5	13.47	10,041	2,305,814
Cut stone, granite, and marble.....	1,893,570	2.8	10.96	1,469,244	414,326	Pipe: Drain tile, vitrified, concrete, segment tile, corrugated.....	265,708	.4	1.54	240,027	10,681
Riprap, rubble, etc.....	245,427	.4	1.43	239,630	6,797	Pipe: Cast iron, sheet and tube steel, etc.....	1,769,159	2.7	10.29	1,198,389	570,814
Cement.....	4,344,397	6.6	25.27	4,076,360	268,037	Wire cable, guards, and fencing.....	179,999	.3	1.05	158,388	21,511
Lime.....	337,619	.5	1.96	275,408	62,111	Bituminous paving materials, tar asphalt and oil.....	994,216	1.5	5.78	968,200	26,016
Plaster, etc.....	433,443	.7	2.52	247,739	185,704	Wood piling and timber.....	189,826	.3	1.10	170,041	19,785
Structural steel.....	4,567,580	6.9	26.51	3,841,474	916,106	Ready mixed concrete.....	137,726	.2	.80	137,726	-----
Reinforcing steel.....	1,143,333	1.7	6.65	1,068,013	75,320	Machinery.....	2,617,092	4.0	15.22	2,584,692	32,400
Cast iron, miscellaneous, excluding pipe.....	586,844	.9	3.41	445,160	141,678	Freight, hauling or trucking to job.....	243,330	.4	1.42	240,871	2,959
Metal doors, windows, and trim.....	547,404	.8	3.18	418,816	128,588	Chemicals and chemical products.....	1,613	(³)	.01	613	900
Metal and wire lath and furring.....	194,784	.3	1.13	80,569	114,215	Metal products, n. e. s. (including metal furniture).....	62,142	.1	.36	19,851	42,291
Ornamental metal work.....	594,795	.9	3.28	55,319	509,476	Mineral products (nonmetallic) n. e. s.....	73,095	.1	.42	70,795	2,300
Lumber, rough and finished.....	6,749,789	10.2	30.26	6,602,403	147,386	Sealing materials.....	12,173	(³)	.07	10,472	1,701
Lath, shingles, and shakes (wood).....	150,259	.2	.87	129,984	20,275	Textiles and caking materials.....	2,315	(³)	.01	2,200	115
Millwork.....	1,601,831	2.4	9.32	1,591,319	10,512	Miscellaneous.....	543,516	.8	3.16	487,243	56,273
Composition board.....	231,330	.4	1.35	218,439	12,891						
Waterproofing materials.....	103,764	.2	.60	68,709	35,055						
Hardware, rough and finished.....	766,702	1.2	4.46	746,190	20,512						
Paints, varnishes, glass.....	2,097,756	3.2	12.20	316,569	1,781,187						

See footnotes at end of table.

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

KIND OF MATERIAL	COST OF MATERIALS REPORTED BY					KIND OF MATERIAL	COST OF MATERIALS REPORTED BY				
	All classes of establishments			General contractors ²	Subcontractors		All classes of establishments			General contractors ²	Subcontractors
	Amount	Per cent distribution	Per \$1,000 construction work done ¹				Amount	Per cent distribution	Per \$1,000 construction work done ¹		
BOSTON					CAMBRIDGE—Continued						
All kinds of material.....	\$40,293,055	.....	\$351.76	\$26,422,213	\$13,870,842	Distributed by kind—Continued.				
Distribution not reported.....	5,745,495	14.3	.....	3,932,757	1,702,738	Millwork.....	\$25,014	0.6	\$2.61	\$25,014
Distributed by kind.....	34,547,560	100.0	.....	22,439,456	12,108,104	Composition board.....	1,543	(*)	.16	1,543
Sand, gravel, stone, slag, cinders, etc.....	2,773,855	8.0	28.24	2,716,837	56,068	Waterproofing materials.....	7,026	.2	.78	1,273	
Brick (face, common, fire, paving, etc.).....	1,629,774	4.7	16.50	1,515,567	114,207	Hardware, rough and finished.....	15,612	.3	1.39	13,512	
Tile (fireproofing).....	207,713	.6	2.11	206,813	900	Paints, varnishes, glass.....	30,549	.7	3.11	2,240	
Tile, facing, terra cotta, floor and wall.....	604,526	1.8	6.16	213,856	390,670	Roofing and sheet metal.....	335,765	7.3	34.22	8,304	
Concrete and cinder block.....	262,041	.7	2.57	251,098	643	Finished flooring (other than cement, wood, or tile).....	14	(*)	(*)	14	
Cut stone, granite and marble.....	1,193,880	3.5	12.21	1,036,485	163,095	Screens, shades, awnings, etc.....	7	(*)	(*)	7	
Riprap, rubble, etc.....	162,290	.5	1.05	162,290	.....	Heating and ventilating equipment.....	1,207,480	26.4	123.07	12,250
Cement.....	2,573,069	7.4	26.20	2,515,368	57,732	Plumbing and gas-fitting equipment.....	358,208	7.8	36.51	3,935	
Lime.....	162,765	.5	1.66	148,773	13,932	Electrical appliances and supplies.....	91,951	2.0	9.37	2,455	
Plaster, etc.....	2,070,923	6.0	21.08	1,927,315	143,594	Elevators, dumb-waiters, and equipment.....	1,550	(*)	.16	1,550	
Structural steel.....	761,087	2.2	7.65	687,884	63,203	Pipe: Drain tile, vitrified, concrete, segment tile, corrugated.....	5,550	.1	.56	5,550	
Reinforcing steel.....	424,830	1.2	4.33	340,972	74,867	Pipe: Cast iron, sheet and tube steel, etc.....	224,408	4.9	22.87	2,100	
Cast iron, miscellaneous, excluding pipe.....	260,118	.8	2.65	146,748	113,370	Wire cable, guards, and fencing.....	618	(*)	.06	618	
Metal doors, windows, and trim.....	98,042	.3	1.00	86,218	61,824	Bituminous paving materials, tar, asphalt, and oil.....	265,159	5.8	27.03	265,159	
Metal and wire lath and furring.....	237,096	.7	2.42	233,140	214,556	Ready-mixed concrete.....	6,398	.1	.65	6,398	
Ornamental metal work.....	2,937,658	8.5	29.01	2,846,504	91,154	Machinery.....	89,400	.9	4.01	7,000	
Lumber, rough and finished.....	10,299	(*)	.11	10,299	.....	Freight, hauling or trucking to job.....	81,496	1.8	8.31	81,496
Lath, shingles, and shakes (wood).....	511,717	1.5	5.21	501,925	9,792	Metal products, n. e. s. (including metal furniture).....	5,500	.1	.56	5,500	
Millwork.....	93,447	.3	.95	92,101	1,256	Mineral products (nonmetallic) n. e. s.....	5	(*)	(*)	5	
Composition board.....	83,408	.2	3.11	81,008	17,423	Miscellaneous.....	4,028	.1	.47	4,028	
Waterproofing materials.....	208,372	.6	3.04	206,931	11,441	FALL RIVER					
Hardware, rough and finished.....	1,206,606	3.5	12.29	76,465	1,180,231	All kinds of material.....	1,200,078	.....	424.69	658,084
Paints, varnishes, glass.....	619,911	1.8	6.31	47,200	572,711	Distribution not reported.....	112,336	8.6	.....	80,430
Roofing and sheet metal.....	60,670	.2	.62	37,025	23,645	Distributed by kind.....	1,187,042	100.0	.....	578,554
Finished flooring (other than cement, wood, or tile).....	48,172	.1	.40	10,064	38,108	Sand, gravel, stone, slag, cinders, etc.....	40,973	3.4	14.05	32,174	
Screens, shades, awnings, etc.....	2,718,343	7.9	27.08	84,116	2,634,227	Brick (face, common, fire, paving, etc.).....	42,971	3.6	15.37	29,443	
Plumbing and gas-fitting equipment.....	2,010,904	5.8	20.48	47,253	1,963,651	Tile (fireproofing).....	4,725	.4	1.69	2,047	
Electrical appliances and supplies.....	3,243,130	9.4	33.02	1,678,643	1,604,537	Tile, facing, terra cotta, floor and wall.....	21,452	1.8	7.67	2,452	
Elevators, dumb-waiters, and equipment.....	2,130,530	6.2	21.60	300	2,130,239	Concrete and cinder block.....	739	.1	.26	739	
Pipe: Drain tile, vitrified, concrete, segment tile, corrugated.....	88,776	.3	.90	88,576	200	Cut stone, granite and marble.....	81,927	6.9	20.30	67,816	
Pipe: Cast iron, sheet and tube steel, etc.....	1,213,542	3.5	12.36	1,034,122	179,420	Riprap, rubble, etc.....	937	.1	.23	637	
Wire cable, guards, and fencing.....	143,950	.4	1.47	122,725	21,224	Cement.....	81,804	6.9	29.25	64,932	
Bituminous paving materials, tar, asphalt, and oil.....	221,486	.6	2.25	217,886	4,100	Lime.....	6,000	.6	2.36	2,295	
Wood piling and timber.....	118,060	.3	1.21	108,384	10,576	Plaster, etc.....	17,400	1.5	6.23	8,721	
Ready-mixed concrete.....	131,327	.4	1.34	131,327	.....	Structural steel.....	32,591	2.7	11.05	32,591
Machinery.....	2,577,692	7.5	26.24	2,577,692	.....	Reinforcing steel.....	21,745	1.8	7.78	21,345
Freight, hauling or trucking to job.....	4,114	(*)	.04	4,114	.....	Metal doors, windows, and trim.....	8,802	.7	3.15	8,372
Metal products, n. e. s. (including metal furniture).....	10,453	(*)	.11	5,491	4,962	Metal and wire lath and furring.....	7,287	.6	2.61	4,797	
Mineral products (nonmetallic) n. e. s.....	58,338	.2	.59	58,338	.....	Ornamental metal work.....	21,280	1.8	7.61	2,490
Sealing materials.....	3,701	(*)	.04	2,000	1,701	Lumber, rough and finished.....	125,271	10.5	44.80	124,021	
Miscellaneous.....	420,644	1.2	4.28	387,927	32,717	Lath, shingles, and shakes (wood).....	4,051	.4	1.66	4,226	
CAMBRIDGE					FALL RIVER						
All kinds of material.....	5,256,637	.....	406.08	2,020,336	3,236,301	Millwork.....	74,915	6.3	26.79	74,195
Distribution not reported.....	677,704	12.9	.....	235,668	442,036	Composition board.....	12,452	1.0	4.45	12,368
Distributed by kind.....	4,578,933	100.0	.....	1,784,668	2,794,265	Waterproofing materials.....	979	.1	.36	979
Sand, gravel, stone, slag, cinders, etc.....	231,694	5.1	23.60	212,844	18,760	Hardware, rough and finished.....	34,735	2.9	12.42	33,408	
Brick (face, common, fire, paving, etc.).....	68,052	1.5	6.93	52,932	15,120	Paints, varnishes, glass.....	28,368	2.4	10.15	1,801	
Tile (fireproofing).....	18,050	.4	1.84	18,050	.....	Roofing and sheet metal.....	50,967	4.3	18.22	10,065
Tile, facing, terra cotta, floor and wall.....	192,194	4.2	10.59	12,046	180,148	Finished flooring (other than cement, wood, or tile).....	5,886	.5	2.11	5,886	
Concrete and cinder block.....	4,480	.1	.46	4,480	.....	Screens, shades, awnings, etc.....	3,000	.3	1.07	3,000
Cut stone, granite and marble.....	221,632	4.8	22.58	7,282	214,250	Heating and ventilating equipment.....	140,477	11.8	50.23	140,477	
Cement.....	147,630	3.2	15.05	125,137	22,493	Plumbing and gas-fitting equipment.....	134,319	11.3	48.03	1,607	
Lime.....	3,743	.1	.38	3,743	.....	Electrical appliances and supplies.....	149,656	12.6	53.52	515
Plaster, etc.....	9,249	.2	.94	2,749	6,500	Pipe: Drain tile, vitrified, concrete, segment tile, corrugated.....	144	(*)	.05	144	
Structural steel.....	768,168	16.8	78.29	741,488	26,680	Pipe: Cast iron, sheet and tube steel, etc.....	7,832	.7	2.80	7,832	
Reinforcing steel.....	22,082	.5	2.25	16,402	5,680	Bituminous paving materials, tar, asphalt, and oil.....	2,192	.2	.79	2,192	
Cast iron, miscellaneous, excluding pipe.....	55,974	1.2	5.70	30,974	25,000	Wood piling and timber.....	7,729	.7	2.76	7,729	
Metal doors, windows, and trim.....	13,775	.3	1.40	2,775	11,000	Freight, hauling or trucking to job.....	10,841	.9	3.88	9,468	
Metal and wire lath and furring.....	1,000	(*)	.10	.....	1,000	Miscellaneous.....	2,289	.2	.82	1,709
Ornamental metal work.....	11,829	.3	1.20	75	11,754						
Lumber, rough and finished.....	102,072	2.2	10.40	102,072	.....					
Lath, shingles and shakes (wood).....	444	(*)	.05	444	.....					

See footnotes at end of table.

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

KIND OF MATERIAL	COST OF MATERIALS REPORTED BY					KIND OF MATERIAL	COST OF MATERIALS REPORTED BY				
	All classes of establishments			General contractors ²	Subcontractors		All classes of establishments			General contractors ²	Subcontractors
	Amount	Per cent distribution	Per \$1,000 construction work done ¹				Amount	Per cent distribution	Per \$1,000 construction work done ¹		
LOWELL						LYNN—Continued					
All kinds of material.....	\$733,319		\$458.04	\$454,612	\$278,707	Distributed by kind—Continued.					
Distribution not reported.....	263,492	34.6		222,765	80,727	Wire cable, guards, and fencing.....	\$584	0.1	\$0.36	\$584	
Distributed by kind.....	470,827	100.0		231,847	247,980	Bituminous paving materials, tar, asphalt, and oil.....	12,256	1.4	6.22	12,256	
Sand, gravel, stone, slag, cinders, etc.....	17,156	3.6	16.37	15,956	1,200	Metal products, n. e. s., (including metal furniture).....	541	.1	.27	541	
Brick (face, common, fire, paving, etc.).....	10,194	2.1	9.73	10,194		Mineral products (nonmetallic).....	903	.1	.49	903	
Tile (fireproofing).....	3,311	.7	3.10	3,311		Miscellaneous.....	1,917	.2	.97	1,917	
Concrete and cinder block.....	2,656	.6	2.54	2,656		NEW BEDFORD					
Cut stone, granite and marble.....	3,072	.6	2.93	3,072		All kinds of material.....	476,056		395.73	221,921	\$254,138
Cement.....	30,825	6.4	29.42	30,825		Distribution not reported.....	163,413	34.3		94,906	68,447
Lime.....	1,802	.4	1.80	1,802		Distributed by kind.....	312,646	100.0		126,955	185,691
Plaster, etc.....	6,375	1.3	6.09	6,375		Sand, gravel, stone, slag, cinders, etc.).....	41,904	13.4	53.11	41,904	
Structural steel.....	11,600	2.4	11.08	11,600		Brick (face, common, fire, paving, etc.).....	6,611	1.8	7.10	5,611	
Reinforcing steel.....	10,086	.4	18.22	19,086		Tile (fireproofing).....	300	.1	.38	300	
Cast iron, miscellaneous (excluding pipe).....	255	.1	.24	255		Concrete and cinder block.....	250	.1	.32	250	
Metal doors, windows, and trim.....	1,221	.3	1.16	1,221		Cement.....	2,256	.7	2.85	2,256	
Metal and wire lath and furring.....	2,053	.4	1.96	2,053		Lime.....	255	.1	.32	255	
Ornamental metal work.....	263	.1	.25	263		Plaster, etc.....	156	(?)	.19	156	
Lumber, rough and finished.....	28,503	5.9	27.21	28,503		Structural steel.....	5,067	1.6	6.41	5,067	
Lath, shingles, and shakes (wood).....	1,106	.2	1.05	1,106		Reinforcing steel.....	142	(?)	.18	142	
Millwork.....	24,037	5.0	22.95	24,037		Cast iron, miscellaneous (excluding pipe).....	300	.1	.38	300	
Composition board.....	588	.1	.50	588		Metal doors, windows, and trim.....	606	.2	.76	606	
Waterproofing materials.....	230	.1	.27	230		Metal and wire lath and furring.....	356	.1	.44	356	
Hardware, rough and finished.....	10,632	2.2	10.15	10,632		Lumber, rough and finished.....	54,328	17.4	68.77	54,328	
Paints, varnishes, glass.....	27,253	5.7	26.02	1,374	28,879	Lath, shingles, and shakes (wood).....	500	.2	.63	500	
Roofing and sheet metal.....	43,675	9.1	41.60	6,827	36,848	Millwork.....	901	.3	1.14	901	
Finished flooring (other than cement, wood, or tile).....	821	.2	.78	821		Composition board.....	818	.3	1.04	818	
Screens, shades, awnings, etc.....	38	(?)	.04	38		Waterproofing materials.....	650	.2	.82	650	
Heating and ventilating equipment.....	66,715	13.9	63.60	22,000	44,715	Hardware, rough and finished.....	4,116	1.3	5.21	4,116	
Plumbing and gas-fitting equipment.....	71,069	14.8	67.84	18,077	52,992	Paints, varnishes, glass.....	63,916	20.4	80.90	984	62,932
Electrical appliances and supplies.....	91,346	10.0	87.20	5,000	86,346	Roofing and sheet metal.....	10,437	3.3	13.21	2,437	8,000
Pipe: Drain tile, vitrified, concrete, segment tile, corrugated.....	1,200		1.15	1,200		Finished flooring (other than cement, wood or tile).....	500	.2	.63	500	
Pipe: Cast-iron, sheet and tube steel, etc.....	2,266	.5	2.16	2,266		Screens, shades, awnings, etc.....	206	.1	.25	200	
Freight, hauling or trucking to job.....	339	.1	.33	339		Heating and ventilating equipment.....	20,090	6.4	25.43		20,090
LYNN						SOMERVILLE					
All kinds of material.....	1,490,157		440.61	872,869	617,288	All kinds of material.....	674,298		598.99	306,824	267,474
Distribution not reported.....	621,443	41.7		350,000	271,443	Distribution not reported.....	124,175	18.4		18,838	105,337
Distributed by kind.....	868,714	100.0		522,869	345,845	Distributed by kind.....	550,123	100.0		287,986	262,137
Sand, gravel, stone, slag, cinders, etc.....	70,612	8.1	35.81	70,612		Sand, gravel, stone, slag, cinders, etc.....	37,872	6.9	27.47	35,872	2,000
Brick (face, common, fire, paving, etc.).....	51,609	5.9	26.18	51,609		Brick (face, common, fire, paving, etc.).....	15,270	2.8	11.08	15,270	
Tile (fireproofing).....	16,034	1.8	8.13	16,034		Tile (fireproofing).....	3,246	.6	2.36	3,249	
Tile, facing, terra cotta, floor, and wall.....	2,939	.3	1.49	2,939		Tile, facing, terra cotta, floor and wall.....	2,400	.4	1.74	2,400	
Concrete and cinder block.....	13,720	1.6	6.06	3,720	10,000	Concrete and cinder block.....	5,762	1.0	4.18	5,762	
Cut stone, granite, and marble.....	2,811	.3	1.43	2,811		Cut stone, granite and marble.....	22,255	4.0	16.14	22,255	
Riprap, rubble, etc.....	250	(?)	.13	250		Riprap, rubble, etc.....	456	.1	.33	450	
Cement.....	23,810	2.7	12.08	23,810		Cement.....	30,667	5.6	22.24	30,667	
Lime.....	3,784	.4	1.92	3,784		Lime.....	2,023	.4	1.47	2,023	
Structural steel.....	7,370	.8	3.74	7,370		Structural steel.....	26,033	4.7	18.88	4,478	21,555
Reinforcing steel.....	450	.1	.23	450		Reinforcing steel.....	13,900	2.5	10.08	13,900	
Metal doors, windows, and trim.....	8,450	1.0	4.26	8,450		Cast iron, miscellaneous (excluding pipe).....	534	.1	.89	534	
Metal and wire lath and furring.....	400	(?)	.26	400		Metal doors, windows, and trim.....	7,803	1.4	5.66	7,803	
Ornamental metal work.....	4,702	.5	2.38	4,702	3,766	Metal and wire lath and furring.....	1,175	.2	.85	1,175	
Lumber, rough and finished.....	186,491	21.5	94.59	186,491		Ornamental metal work.....	300	.1	.22	300	
Lath, shingles, and shakes (wood).....	1,384	.2	.70	1,384		Lumber, rough and finished.....	96,938	17.6	70.31	93,090	3,842
Millwork.....	46,278	5.3	23.47	46,278		Lath, shingles, and shakes (wood).....	3,147	.6	2.28	3,147	
Composition board.....	3,086	.4	1.57	3,086		Millwork.....	24,027	4.4	17.43	24,027	
Waterproofing materials.....	1,472	.2	.74	1,472		Composition board.....	358	.1	.26	350	
Hardware, rough and finished.....	19,766	2.3	10.03	19,766		Waterproofing materials.....	346	.1	.25	340	
Paints, varnishes, glass.....	62,595	7.2	31.75	6,986	55,615	Hardware, rough and finished.....	9,825	1.8	7.13	9,825	
Roofing and sheet metal.....	64,195	7.4	32.54	1,024	63,188	Paints, varnishes, glass.....	40,558	7.4	29.42	1,600	38,958
Finished flooring (other than cement, wood, or tile).....	6,025	.7	3.06	6,025		Roofing and sheet metal.....	92,459	16.8	67.06	2,006	80,853
Screens, shades, awnings, etc.....	2,008	.2	1.02	2,008		Finished flooring (other than cement, wood, or tile).....	632	.1	.40	632	
Heating and ventilating equipment.....	56,403	6.5	28.61	12,536	43,868						
Plumbing and gas fitting equipment.....	90,104	10.3	45.70	21,523	68,581						
Electrical appliances and supplies.....	104,849	12.1	53.18	3,962	100,887						
Pipe: Drain tile, vitrified, concrete, segment tile, corrugated.....	874	.1	.45	874							

See footnotes at end of table.

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

KIND OF MATERIAL	COST OF MATERIALS REPORTED BY					KIND OF MATERIAL	COST OF MATERIALS REPORTED BY				
	All classes of establishments			General contractors ²	Subcontractors		All classes of establishments			General contractors ²	Subcontractors
	Amount	Per cent distribution	Per \$1,000 construction work done ¹				Amount	Per cent distribution	Per \$1,000 construction work done ¹		
SOMERVILLE—Continued					SPRINGFIELD—Continued						
Distributed by kind—Continued						Distributed by kind—Continued.					
Screens, shades, awnings, etc.	\$1,408	0.3	\$1.02	\$1,408		Metal products, n. e. s., (including metal furniture)	\$1,323	0.1	\$0.31	\$1,323	
Heating and ventilating equipment	33,118	6.0	24.02		\$33,118	Mineral products (nonmetallic) n. e. s.	843	(*)	.20	843	
Plumbing and gas-fitting equipment	74,201	13.5	53.82	1,390	72,811	Miscellaneous	4,530	(*)	1.08	1,362	
Electrical appliances and supplies	1,121	.2	.81	1,121						\$3,174	
Pipe: Drain tile, vitrified, concrete, segment tile, corrugated	800	.1	.58	800		WORCESTER					
Pipe: Cast iron, sheet and tube steel, etc.	200	(*)	.14	200		All kinds of material	5,233,951		453.55	3,868,602	
Bituminous paving materials, tar, asphalt, and oil	1,000	.2	.73	1,000		Distribution not reported	974,270	18.6		718,044	
Miscellaneous	300	.1	.22	300						1,365,340	
SPRINGFIELD					SPRINGFIELD						
All kinds of material	6,902,820		405.02	5,519,029	1,383,791					256,226	
Distribution not reported	5,167,571	74.9		4,926,797	240,774					1,100,123	
Distributed by kind	1,735,249	100.0		502,232	1,143,017					3,150,558	
Sand, gravel, stone, slag, cinders, etc.	55,779	3.2	13.04	39,792	15,987					9,945	
Brick (face, common, fire, paving, etc.)	166,136	9.6	38.83	90,353	66,783					6,750	
Tile (fireproofing)	1,295	.1	.30	1,295						3,300	
Tile, facing, terra cotta, floor and wall	778	(*)	.18	778						21,437	
Concrete and cinder block	21,704	1.3	5.07	21,704						8,608	
Cut stone, granite and marble	11,789	.7	2.75	11,789						3,065	
Riprap, rubble, etc.	183	(*)	.04	183						6,002	
Cement	93,474	5.4	21.85	56,603	36,781					3,964	
Lime	17,429	1.0	4.07	13,220	4,209					277,007	
Plaster, etc.	23,005	1.8	5.38	5,602	17,403					34,249	
Structural steel	72,373	4.2	18.92	70,836	1,537					20,739	
Reinforcing steel	9,122	.5	2.13	9,122						903,774	
Cast iron, miscellaneous (excluding pipe)	29,641	1.7	6.93	190	29,451					65,091	
Metal doors, windows, and trim	4,517	.3	1.05	4,517						45,315	
Metal and wire lath and furring	19,997	1.2	4.67	5,535	14,462					157,469	
Ornamental metal work	3,569	.2	.84	3,569						3.7	
Lumber, rough and finished	152,282	8.8	35.59	151,140	1,122					16.77	
Lath, shingles, and shakes (wood)	5,387	.3	1.26	4,387	1,000					3.98	
Millwork	24,584	1.4	5.75	24,584						7.47	
Composition board	4,232	.2	.99	2,957	1,275					10.231	
Waterproofing materials	2,346	.2	.67	2,346						59,909	
Hardware, rough and finished	13,451	.8	3.14	13,160	291					707,184	
Paints, varnishes, glass	12,241	.7	2.86	4,879	7,362					11,347	
Roofing and sheet metal	89,370	5.2	21.01	8,417	81,453					203,823	
Finished flooring (other than cement, wood, or tile)	655	(*)	.15	655						21,361	
Screens, shades, awnings, etc.	1,870	.1	.39	1,870						5.227	
Heating and ventilating equipment	332,682	19.2	77.77	70	332,612					5.618	
Plumbing and gas-fitting equipment	204,288	11.8	47.75	5,760	198,528					75,799	
Electrical appliances and supplies	297,006	17.1	60.43	7,905	289,101					164,056	
Pipe: Drain tile, vitrified, concrete, segment tile, corrugated	620	(*)	.15	620						217,206	
Pipe: Cast iron, sheet and tube steel, etc.	53,363	3.1	12.47	12,377	40,486					5.1	
Wire cable, guards, and fencing	1,105	.1	.26	1,105						7,805	
Bituminous paving materials, tar, asphalt, and oil	160	(*)	.04	160						4,417	
Freight, hauling or trucking to job	1,334	.1	.31	1,334						149,658	
										78,356	
										188,096	
										1,583	
										21,222	
										22,656	
										1,967	
										21,695	
										270	
										204	
										2,300	
										5,864	

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 Less than 1 cent.

⁵ The percentage of total cost shown for this item is high because establishments located within this area reported that the major part of their construction work (on which this material was used) was done on contract outside the home city or State.

⁶ The high percentage of total cost shown for this item is accidental because establishments using this kind of material reported more complete distribution of materials than others.

CONSTRUCTION—MASSACHUSETTS

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

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

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business	Indicated per cent of all business done by own force ¹		
	Cost of all materials distributed by kind	Per cent of—		Amount				Cost of all distributed materials	Cost of all materials distributed by kind	Per cent of—				Amount	Cost of all distributed materials
		Total cost	Cost of all distributed materials							Total cost	Cost of all distributed materials				
MASSACHUSETTS						MASSACHUSETTS—Con.									
<i>Sand, gravel, stone, slag, cinders, etc.</i>						<i>Tile, facing, terra cotta, floor and wall</i>									
All classes.....	\$66,181,166	\$5,400,251	100.0	8.2	\$233,258,224	75.1	All classes.....	\$66,181,166	\$1,272,506	100.0	1.9	\$233,258,224	75.1		
General contractors ²	30,538,512	5,200,839	96.3	13.2	173,757,296	67.2	General contractors ²	439,538,512	316,301	24.9	.8	173,757,296	67.2		
Building.....	20,484,937	1,013,563	20.8	7.9	84,679,174	36.1	Building.....	20,484,937	313,950	24.7	1.5	84,679,174	36.1		
Building not specialized ²	18,037,386	1,494,695	27.6	8.3	75,514,457	33.9	Building not specialized ²	18,037,386	207,875	23.4	1.7	75,514,457	33.9		
Commercial building only.....	818,887	68,790	1.3	8.4	2,933,370	69.7	Commercial building only.....	818,887	3,974	.3	.5	2,933,370	69.7		
Manufacturing building only.....	168,584	25,183	1.4	14.9	638,423	72.5	Manufacturing building only.....	1,469,780	12,101	1.0	.8	5,592,924	64.3		
Residential building only.....	1,459,780	24,805	.5	1.7	5,592,924	64.3	Residential building only.....	1,469,780	76	(*)	(*)	3,693,664	94.8		
Highway.....	3,113,947	1,443,005	20.7	46.4	9,695,474	91.0	Highway.....	3,113,947	53,630	2.8	1.7	9,695,474	91.0		
Bridge and culvert.....	1,582,408	202,538	3.7	12.8	3,693,664	94.8	Bridge and culvert.....	1,582,408	115,433	6.1	7.3	3,693,664	94.8		
Grading.....	302,662	151,608	2.8	50.1	1,738,811	97.2	Grading.....	302,662	12,239	.6	4.0	1,738,811	97.2		
Street paving.....	1,304,840	442,542	8.2	33.9	4,231,586	89.9	Street paving.....	1,304,840	20,260	1.1	1.6	4,231,586	89.9		
Sewer, gas, water, conduit.....	224,171	40,144	.7	17.9	1,381,227	99.7	Sewer, gas, water, conduit.....	224,171	40	(*)	(*)	1,381,227	99.7		
Dam and reservoir.....	219,263	80,658	1.5	36.8	1,320,657	97.3	Dam and reservoir.....	219,263	41,939	1.0	19.1	1,320,657	97.3		
Waterworks.....	33,350	840	(*)	2.5	52,072	100.0	Waterworks.....	33,350	1,500	(*)	4.5	52,072	100.0		
Dredging, river, harbor, etc.....	805,326	15,344	.3	1.9	2,849,070	95.3	Dredging, river, harbor, etc.....	805,326	5,539	.2	1.1	2,849,070	95.3		
Railroad.....	125,712	612	(*)	.5	1,258,383	95.3	Railroad.....	125,712	4,378	.1	13.3	1,258,383	95.3		
Foundation.....	32,863	21,100	.4	64.4	71,584	99.6	Foundation.....	32,863	32,863	1.0	100.0	71,584	99.6		
Central station, light and power plant.....	11,271,177	1,168,082	21.6	10.4	62,609,109	61.5	Central station, light and power plant.....	11,271,177	400	(*)	(*)	62,609,109	61.5		
Air transport.....	18,373	18,373	.3	100.0	79,674	97.5	Air transport.....	18,373	400	(*)	.1	1,913,708	99.0		
Telephone line and system.....	19,793	10,500	.2	53.0	87,811	100.0	Telephone line and system.....	19,793	7,676	.2	38.8	87,811	100.0		
Subcontractors.....	26,642,654	199,412	3.7	.7	50,500,928	97.1	Subcontractors.....	26,642,654	414,326	22.0	1.6	50,500,928	97.1		
Concreting.....	255,794	58,200	1.1	22.8	1,515,417	88.4	Concreting.....	255,794	3,063	.2	1.2	1,515,417	88.4		
Electrical.....	4,104,164	1,686	(*)	(*)	9,252,888	99.9	Electrical.....	4,104,164	17,306	.9	3.2	1,490,693	93.7		
Heating and plumbing.....	11,690,367	126	(*)	(*)	22,369,667	95.8	Heating and plumbing.....	11,690,367	500	(*)	.1	1,525,565	91.5		
Plumbing.....	4,239,576	125	(*)	(*)	8,078,165	99.0	Plumbing.....	4,239,576	500	(*)	.1	1,525,565	91.5		
Masonry.....	543,850	40,208	.7	7.4	1,490,693	93.7	Masonry.....	543,850	308,297	20.9	27.7	2,721,798	98.0		
Painting and decorating.....	910,910	2	(*)	(*)	5,373,977	99.8	Painting and decorating.....	910,910	160	(*)	.4	343,930	99.0		
Plastering and lathing.....	402,060	20,631	.5	7.3	1,525,565	91.5	Plastering and lathing.....	402,060	500	(*)	.1	1,525,565	91.5		
Roofing and sheet metal work.....	2,918,371	8,254	.2	.3	6,421,197	98.4	Roofing and sheet metal work.....	2,918,371	400	(*)	(*)	6,421,197	98.4		
Roofing.....	620,463	4,997	.1	.8	1,617,751	98.4	Roofing.....	620,463	400	(*)	.1	1,913,708	99.0		
Sheet metal work.....	1,506,044	483	(*)	(*)	2,889,738	98.1	Sheet metal work.....	1,506,044	400	(*)	.1	2,721,798	98.0		
Roofing and sheet metal combined.....	791,864	2,774	.1	.4	1,913,708	99.0	Roofing and sheet metal combined.....	791,864	400	(*)	.1	1,913,708	99.0		
Steel erection.....	1,066,055	1,132	(*)	.1	2,010,933	98.0	Steel erection.....	1,066,055	400	(*)	.1	2,010,933	98.0		
Marble and tiling.....	1,419,589	16,506	.3	1.2	2,721,798	98.0	Marble and tiling.....	1,419,589	400	(*)	.1	2,721,798	98.0		
Excavating.....	36,103	23,244	.4	64.4	343,930	99.0	Excavating.....	36,103	30	(*)	.1	343,930	99.0		
Grading.....	11,181	721	(*)	6.4	85,763	100.0	Grading.....	11,181	30	(*)	.1	85,763	100.0		
Street paving.....	5,894	2,400	(*)	40.7	30,970	100.0	Street paving.....	5,894	30	(*)	.1	30,970	100.0		
Foundation.....	30,422	17,394	.3	57.2	153,558	100.0	Foundation.....	30,422	30	(*)	.1	153,558	100.0		
<i>Brick (face, common, fire, paving, etc.)</i>						<i>Cement</i>									
All classes.....	66,181,166	2,915,237	100.0	4.4	233,258,224	75.1	All classes.....	66,181,166	4,344,397	100.0	6.6	233,258,224	75.1		
General contractors ²	30,538,512	2,631,799	90.3	6.7	173,757,296	67.2	General contractors ²	439,538,512	4,070,360	93.8	10.3	173,757,296	67.2		
Building.....	20,484,937	2,286,679	78.4	11.2	84,679,174	64.1	Building.....	20,484,937	2,074,738	47.8	10.1	84,679,174	64.1		
Building not specialized ²	18,037,386	2,128,833	73.0	11.8	75,514,457	63.9	Building not specialized ²	18,037,386	1,930,072	44.6	10.7	75,514,457	63.9		
Commercial building only.....	818,887	79,840	2.7	9.7	2,933,370	69.7	Commercial building only.....	818,887	76,448	1.8	9.3	2,933,370	69.7		
Manufacturing building only.....	168,584	24,704	.8	14.7	638,423	72.5	Manufacturing building only.....	1,469,780	28,664	.7	17.0	638,423	72.5		
Residential building only.....	1,459,780	53,302	1.8	3.7	5,592,924	64.3	Residential building only.....	1,469,780	83,554	.8	2.3	5,592,924	64.3		
Highway.....	3,113,947	15,890	.5	.5	9,695,474	91.0	Highway.....	3,113,947	371,617	8.6	11.9	9,695,474	91.0		
Bridge and culvert.....	1,582,408	3,663	.1	.2	3,693,664	94.8	Bridge and culvert.....	1,582,408	123,241	2.8	7.8	3,693,664	94.8		
Grading.....	302,662	12,028	.4	4.0	1,738,811	97.2	Grading.....	302,662	24,119	.6	8.0	1,738,811	97.2		
Street paving.....	1,304,840	14,697	.5	1.1	4,231,586	89.9	Street paving.....	1,304,840	202,968	4.7	15.6	4,231,586	89.9		
Sewer, gas, water, conduit.....	224,171	32,019	1.1	14.3	1,381,227	99.7	Sewer, gas, water, conduit.....	224,171	45,808	1.1	20.4	1,381,227	99.7		
Dam and reservoir.....	219,263	3,710	.1	1.7	1,320,657	97.3	Dam and reservoir.....	219,263	41,939	1.0	19.1	1,320,657	97.3		
Waterworks.....	33,350	400	(*)	1.2	52,072	100.0	Waterworks.....	33,350	1,500	(*)	4.5	52,072	100.0		
Dredging, river, harbor, etc.....	805,326	2,764	.1	.3	2,849,070	95.3	Dredging, river, harbor, etc.....	805,326	5,539	.2	1.1	2,849,070	95.3		
Railroad.....	125,712	1,428	(*)	1.1	1,258,383	95.3	Railroad.....	125,712	4,378	.1	13.3	1,258,383	95.3		
Foundation.....	32,863	21,100	.4	64.4	71,584	99.6	Foundation.....	32,863	32,863	1.0	100.0	71,584	99.6		
Central station, light and power plant.....	11,271,177	257,755	8.8	2.3	62,609,109	61.5	Central station, light and power plant.....	11,271,177	1,169,847	26.9	10.4	62,609,109	61.5		
Air transport.....	18,373	18,373	.3	100.0	79,674	97.5	Air transport.....	18,373	7,676	.2	38.8	87,811	100.0		
Telephone line and system.....	19,793	10,500	.2	53.0	87,811	100.0	Telephone line and system.....	19,793	7,676	.2	38.8	87,811	100.0		
Subcontractors.....	26,642,654	283,438	9.7	1.1	50,500,928	97.1	Subcontractors.....	26,642,654	268,037	6.2	1.0	50,500,928	97.1		
Concreting.....	255,794	19,134	.7	7.5	1,515,417	88.4	Concreting.....	255,794	282,491	1.9	32.2	1,515,417	88.4		
Electrical.....	4,104,164	1,173	(*)	(*)	9,252,888	99.9	Electrical.....	4,104,164	2,540	.1	.1	9,252,888	99.9		
Heating and plumbing.....	11,690,367	246,943	8.5	45.4	1,490,693	93.7	Heating and plumbing.....	11,690,367	500	(*)	.1	1,490,693	93.7		
Plastering and lathing.....	402,060	9,682	.8	2.4	1,525,565	91.5	Plastering and lathing.....	402,060	500	(*)	.1	1,525,565	91.5		
Roofing and sheet metal work.....	2,918,371	8,254	.2	.3	6,421,197	98.4	Roofing and sheet metal work.....	2,918,371	400	(*)	.1	6,421,197	98.4		
Roofing.....	620,463	4,997	.1	.8	1,617,751	98.4	Roofing.....	620,463	400	(*)	.1	1,913,708	99.0		
Sheet metal work.....	1,506,044	483	(*)	(*)	2,889,738	98.1	Sheet metal work.....	1,506,044	400	(*)	.1	2,721,798	98.0		
Roofing and sheet metal combined.....	791,864	2,774	.1	.4	1,913,708	99.0	Roofing and sheet metal combined.....	791,864	400	(*)	.1	1,913,708	99.0		
Steel erection.....	1,066,055	1,132	(*)	.1	2,010,933	98.0	Steel erection.....	1,066,055	400	(*)	.1	2,010,933	98.0		
Marble and tiling.....	1,419,589	16,506	.3	1.2	2,721,798	98.0	Marble and tiling.....	1,419,589	400	(*)	.1	2,721,798	98.0		
Excavating.....	36,103	23,244	.4	64.4	343,930	99.0	Excavating.....	36,103	30	(*)	.1	343,930	99.0		
Grading.....	11,181	721	(*)	6.4	85,763	100.0	Grading.....	11,181	30	(*)	.1	85,763	100.0		
Street paving.....	5,894	2,400	(*)	40.7	30,970	100.0	Street paving.....	5,894	30	(*)	.1	30,970	100.0		
Foundation.....	30,422	17,394</													

CONSTRUCTION—MASSACHUSETTS

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—		Cost of all distributed materials				Cost of all materials distributed by kind	Per cent of—		Cost of all distributed materials		
		Amount	Total cost						Amount	Total cost			
MASSACHUSETTS—Con.						MASSACHUSETTS—Con.							
<i>Cement—Continued</i>						<i>Reinforcing steel—Con.</i>							
Subcontractors—Continued						Subcontractors—Continued							
Heating and plumbing	\$11,590,367	\$275	(3)	(3)	\$22,369,667	95.8	Masonry	\$543,850	\$2,073	0.8	0.5	\$1,490,693	93.7
Plumbing	4,239,576	260	(3)	(3)	8,078,165	99.0	Glass and glazing	410,548	38	(3)	(3)	899,091	99.7
Plumbing and heating combined	1,146,819	15	(3)	(3)	2,200,480	98.6	Plastering and lathing	402,060	225	(3)	.1	1,525,555	91.5
Masonry	543,850	96,642	2.2	17.8	1,490,693	93.7	Steel erection	1,066,055	58,142	5.1	5.5	2,010,933	98.0
Painting and decorating	910,910	7	(3)	(3)	5,373,977	99.8	Stone work	15,525	75	(3)	.9	60,425	100.0
Glass and glazing	410,548	3	(3)	(3)	899,091	99.7	Excavating	36,103	340	(3)	.9	343,930	99.0
Plastering and lathing	402,060	32,282	.7	8.0	1,525,555	91.5	Ornamental iron	393,940	500	(3)	.1	821,648	98.7
Steel erection	1,066,055	1,056	(3)	.2	2,010,933	98.0	Grading	11,181	150	(3)	1.3	85,763	100.0
Stone work	15,525	2,000	(3)	12.9	60,425	100.0	Foundation	30,422	2,250	.2	7.4	163,558	100.0
Marble and tiling	1,419,589	28,347	.7	2.0	2,721,798	98.0							
Excavating	36,103	3,086	.1	10.2	343,930	99.0	<i>Lumber, rough and finished</i>						
Grading	11,181	7,600	.2	68.0	85,763	100.0	All classes	66,181,166	6,749,789	100.0	10.2	233,258,224	75.1
Street paving	5,894	494	(3)	8.4	30,976	100.0	General contractors ²	\$39,538,512	6,602,403	97.8	16.7	\$173,767,296	67.2
Foundation	30,422	9,714	.2	31.9	153,558	100.0	Building	20,484,637	4,037,707	73.2	24.1	84,679,174	64.1
							Building not specialized ²	18,037,386	4,098,700	60.7	22.7	75,514,457	63.9
							Commercial building only	818,887	226,636	3.4	27.7	2,933,370	69.7
							Manufacturing building only	168,584	33,224	.5	20.1	638,423	72.5
							Residential building only	1,459,780	578,648	8.6	39.6	5,592,924	64.3
							Highway	3,113,947	74,827	1.1	2.4	9,695,474	91.0
							Bridge and culvert	1,582,408	96,752	1.4	6.1	3,693,664	94.8
							Grading	302,662	15,372	.2	5.2	1,738,811	97.2
							Street paving	1,304,840	9,500	.1	.7	4,281,580	89.9
							Sewer, gas, water, conduit	224,171	12,483	.2	5.6	1,381,227	99.7
							Dam and reservoir	219,253	18,825	.3	8.6	1,329,657	97.3
							Waterworks	33,350	600	(3)	1.8	62,072	100.0
							Dredging, river, harbor, etc.	805,326	404,784	6.9	57.7	2,849,070	90.8
							Railroad	125,712	4,767	.1	3.8	1,258,383	95.3
							Foundation	32,863	1,825	(3)	5.6	71,584	99.6
							Central station, light and power plant	11,271,177	964,460	14.3	8.6	62,609,109	61.5
							Subcontractors	\$26,642,654	147,386	2.2	.6	\$59,500,928	97.1
							Carpentering and wood flooring	116,344	98,768	1.5	84.9	420,204	87.9
							Concreting	255,794	12,843	.2	5.0	1,515,417	88.4
							Electrical	4,104,164	2,492	(3)	.1	9,252,888	99.9
							Heating and plumbing	\$11,590,367	30	(3)	(3)	\$22,369,667	95.8
							Plumbing and heating combined	1,146,819	30	(3)	(3)	2,200,480	98.6
							Masonry	543,850	12,046	.2	2.2	1,490,693	93.7
							Plastering and lathing	402,060	1,250	(3)	.3	1,525,555	91.5
							Roofing and sheet metal work	\$2,918,371	13,917	.2	.5	\$6,421,197	98.4
							Roofing	620,463	3,842	.1	.6	1,617,751	98.4
							Sheet metal work	1,506,044	10,075	.1	.7	2,889,758	98.1
							Steel erection	1,066,055	470	(3)	(3)	2,010,933	98.0
							Stone work	15,525	200	(3)	1.3	60,425	100.0
							Wrecking	1,000	1,000	(3)	100.0	35,091	100.0
							Excavating	36,103	440	(3)	1.2	343,930	99.0
							Grading	11,181	110	(3)	1.0	85,763	100.0
							Dredging, river, harbor, etc.	28,230	2,764	(3)	9.8	90,430	100.0
							Foundation	30,422	1,064	(3)	3.5	163,558	100.0
							<i>Millwork</i>						
							All classes	66,181,166	1,601,831	100.0	2.4	233,258,224	75.1
							General contractors ²	\$39,538,512	1,591,319	99.3	4.0	\$173,767,296	67.2
							Building	20,484,637	1,578,823	98.6	7.7	84,679,174	64.1
							Building not specialized ²	18,037,386	1,298,120	81.0	7.2	75,514,457	63.9
							Commercial building only	818,887	24,660	1.5	3.0	2,933,370	69.7
							Manufacturing building only	168,584	3,410	.2	2.0	638,423	72.5
							Residential building only	1,459,780	252,627	15.8	17.3	5,592,924	64.3
							Highway	3,113,947	65	(3)	(3)	9,695,474	91.0
							Bridge and culvert	1,582,408	2,781	.2	.2	3,693,664	94.8
							Dredging, river, harbor, etc.	805,326	4,050	.3	.5	2,849,070	90.8
							Central station, light and power plant	11,271,177	5,600	.3	(3)	62,609,109	61.5
							Subcontractors	\$26,642,654	10,512	.7	(3)	\$59,500,928	97.1
							Concreting	255,794	200	(3)	.1	1,515,417	88.4
							Masonry	543,850	920	.1	.2	1,490,693	93.7
							Roofing and sheet metal work	\$2,918,371	9,192	.6	.3	\$6,421,197	98.4
							Sheet metal work	1,506,044	9,192	.6	.6	2,889,758	98.1
							Steel erection	1,066,055	200	(3)	(3)	2,010,933	98.0

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—		Value of construction business				Cost of all materials distributed by kind	Amount	Per cent of—		Value of construction business			Indicated per cent of all business done by own force ¹
			Total cost	Cost of all distributed materials							Total cost	Cost of all distributed materials				
MASSACHUSETTS—Con.							MASSACHUSETTS—Con.									
Paints, varnishes, glass							Heating and ventilating equipment¹²									
All classes.....	\$66,181,166	\$2,097,756	100.0	3.2	\$233,258,224	75.1	All classes.....	\$66,181,166	\$6,477,325	100.0	9.8	\$233,258,224	75.1			
General contractors ²	\$39,538,512	316,569	15.1	.8	\$173,757,296	67.2	General contractors ²	\$39,538,512	298,972	4.5	.7	\$173,757,296	67.2			
Building.....	20,484,637	286,852	13.7	1.4	84,679,174	64.1	Building.....	20,484,637	256,494	4.0	1.3	84,679,174	64.1			
Building not specialized ²	18,037,386	246,087	11.7	1.4	75,514,457	63.9	Building not specialized ²	18,037,386	198,859	3.1	1.1	75,514,457	63.9			
Commercial building only.....	818,887	11,971	.6	1.5	2,933,370	69.7	Commercial building only.....	818,887	36,235	.6	4.4	2,933,370	69.7			
Manufacturing building only.....	168,584	350	(3)	.2	638,423	72.5	Residential building only.....	1,459,780	21,400	.3	1.5	5,592,924	64.3			
Residential building only.....	1,460,780	29,444	1.4	2.0	5,592,924	64.3	Bridge and culvert.....	1,582,408	70	(5)	(3)	3,693,664	94.8			
Highway.....	3,113,947	63	(3)	(1)	9,695,474	91.0	Dredging, river, harbor, etc.....	805,326	185	(5)	(3)	2,849,070	90.8			
Bridge and culvert.....	1,582,408	2,680	.1	.2	3,693,664	94.8	Central station, light and power plant.....	11,271,177	87,273	.6	.3	62,609,109	61.5			
Grading.....	302,662	16,154	.8	5.3	1,738,811	97.2	Subcontractors.....	\$26,642,654	6,183,353	95.5	23.2	\$59,500,928	97.1			
Sewer, gas, water, conduit.....	224,171	500	(3)	.2	1,381,227	99.7	Carpentering and wood flooring.....	116,344	400	(3)	.3	420,204	87.9			
Waterworks.....	33,350	150	(3)	.4	52,072	100.0	Electrical.....	4,104,164	1,750	(3)	(3)	9,252,888	99.9			
Dredging, river, harbor, etc.....	805,326	1,670	.1	.2	2,849,070	90.8	Heating and plumbing.....	\$11,590,367	6,145,335	94.9	53.0	\$22,369,667	95.8			
Central station, light and power plant.....	11,271,177	8,550	.4	.1	62,609,109	61.5	Heating and piping.....	6,037,095	4,800,338	75.0	80.5	11,710,673	92.1			
Subcontractors.....	\$26,642,654	1,781,187	84.9	6.7	\$59,500,928	97.1	Plumbing.....	4,239,576	722,339	11.2	17.0	8,078,165	99.0			
Carpentering and wood flooring.....	116,344	3,039	.1	2.6	420,204	87.9	Plumbing and heating combined.....	1,146,819	500,701	7.7	43.7	2,200,480	98.6			
Concreting.....	255,794	5,643	.8	2.2	1,515,417	88.4	Automatic temperature control.....	61,987	61,987	1.0	100.0	178,523	100.0			
Electrical.....	4,104,164	400	(3)	(3)	9,252,888	99.9	Roofing and sheet metal work.....	2,918,371	34,618	.5	1.2	6,421,197	98.4			
Heating and plumbing.....	\$11,590,367	678	(3)	.1	2,200,480	98.6	Sheet metal work.....	1,500,044	33,114	.5	2.2	2,889,738	98.1			
Plumbing.....	4,239,576	678	(3)	.1	2,200,480	98.6	Roofing and sheet metal combined.....	791,864	1,504	(3)	.2	1,913,708	99.0			
Plumbing and heating combined.....	1,146,819	678	(3)	.1	2,200,480	98.6	Steel erection.....	1,060,055	1,200	(3)	.1	2,010,933	98.0			
Masonry.....	543,850	73	(3)	(3)	1,490,693	93.7	Plumbing and gas fitting equipment¹²									
Painting and decorating.....	910,910	872,044	41.6	95.8	5,373,977	99.8	All classes.....	66,181,166	5,034,241	100.0	7.6	233,258,224	75.1			
Glass and glazing.....	410,548	381,923	18.2	93.0	899,091	99.7	General contractors ²	\$39,538,512	200,358	4.0	.5	\$173,757,296	67.2			
Roofing and sheet metal work.....	2,918,371	515,982	24.0	17.7	6,421,197	98.4	Building.....	20,484,637	190,248	3.8	.9	84,679,174	64.1			
Roofing.....	620,463	15,371	.7	2.5	1,617,751	98.4	Building not specialized ²	18,037,386	155,758	3.1	.9	75,514,457	63.9			
Sheet metal work.....	1,500,044	500,271	23.8	33.2	2,889,738	98.1	Commercial building only.....	818,887	9,033	.2	1.1	2,933,370	69.7			
Roofing and sheet metal combined.....	791,864	340	(3)	(3)	1,913,708	99.0	Residential building only.....	1,459,780	25,457	.5	1.7	5,592,924	64.3			
Steel erection.....	1,060,055	400	(3)	(3)	2,010,933	98.0	Highway.....	3,113,947	30	(3)	(3)	9,695,474	91.0			
Stone work.....	15,525	150	(3)	1.0	60,425	100.0	Bridge and culvert.....	1,582,408	1,704	(3)	.1	3,693,664	94.8			
Ornamental iron.....	393,940	200	(3)	.1	821,643	98.7	Grading.....	302,662	780	(3)	.3	1,738,811	97.2			
Dredging, river, harbor, etc.....	28,230	55	(3)	.2	90,450	100.0	Waterworks.....	33,350	200	(3)	.6	52,072	100.0			
etc.....							Dredging, river, harbor, etc.....	805,326	140	(3)	(3)	2,849,070	90.8			
Roofing and sheet metal							Central station, light and power plant.....	11,271,177	7,256	.1	.1	62,609,109	61.5			
All classes.....	66,181,166	2,402,073	100.0	3.6	233,258,224	75.1	Subcontractors.....	\$26,642,654	4,833,883	96.0	18.1	\$59,500,928	97.1			
General contractors ²	\$39,538,512	242,374	10.1	.6	\$173,757,296	67.2	Electrical.....	4,104,164	5,836	.1	1.1	9,252,888	99.9			
Building.....	20,484,637	227,807	9.5	1.1	84,679,174	64.1	Heating and plumbing.....	\$11,590,367	4,759,711	94.5	41.1	\$22,369,667	95.8			
Building not specialized ²	18,037,386	173,333	7.2	1.0	75,514,457	63.9	Heating and piping.....	6,037,095	671,376	13.3	11.1	11,710,673	92.1			
Commercial building only.....	818,887	10,266	.4	1.3	2,933,370	69.7	Plumbing.....	4,239,576	3,441,356	68.4	81.2	8,078,165	99.0			
Manufacturing building only.....	168,584	110	(3)	.1	638,423	72.5	Plumbing and heating combined.....	1,146,819	542,089	10.8	47.3	2,200,480	98.6			
Residential building only.....	1,460,780	44,098	1.8	3.0	5,592,924	64.3	Automatic sprinkler system.....	104,800	104,800	2.1	100.0	201,826	99.5			
Highway.....	3,113,947	112	(3)	(3)	9,695,474	91.0	Masonry.....	543,850	800	(3)	.1	1,490,693	93.7			
Bridge and culvert.....	1,582,408	2,065	.1	.1	3,693,664	94.8	Roofing and sheet metal work.....	2,918,371	67,536	1.3	2.3	6,421,197	98.4			
Waterworks.....	33,350	100	(3)	.3	52,072	100.0	Sheet metal work.....	1,500,044	67,536	1.3	4.5	2,889,738	98.1			
Dredging, river, harbor, etc.....	805,326	4,560	.2	.6	2,849,070	90.8	Electrical appliances and supplies¹²									
Railroad.....	125,712	2,530	.1	2.0	1,258,383	95.3	All classes.....	66,181,166	5,647,399	100.0	8.5	233,258,224	75.1			
Central station, light and power plant.....	11,271,177	5,200	.2	(3)	62,609,109	61.5	General contractors ²	\$39,538,512	1,007,914	29.5	4.2	\$173,757,296	67.2			
Subcontractors.....	\$26,642,654	2,159,699	89.9	8.1	\$59,500,928	97.1	Building.....	20,484,637	126,042	2.2	.6	84,679,174	64.1			
Carpentering and wood flooring.....	116,344	1,000	(3)	.9	420,204	87.9	Building not specialized ²	18,037,386	115,962	2.1	.6	75,514,457	63.9			
Concreting.....	255,794	36	(3)	(3)	1,515,417	88.4	Commercial building only.....	818,887	4,323	.1	.5	2,933,370	69.7			
Electrical.....	4,104,164	2,000	.1	(3)	9,252,888	99.9	Residential building only.....	1,459,780	5,757	.1	.4	5,592,924	64.3			
Heating and plumbing.....	\$11,590,367	74,441	3.1	.6	22,369,667	95.8	Highway.....	3,113,947	251	(3)	(3)	9,695,474	91.0			
Heating and piping.....	6,037,095	23,210	1.0	.4	11,710,673	92.1	Bridge and culvert.....	1,582,408	515	(3)	(3)	3,693,664	94.8			
Plumbing.....	4,239,576	22,945	1.0	.5	8,078,165	99.0	Waterworks.....	33,350	500	(3)	1.5	52,072	100.0			
Plumbing and heating combined.....	1,146,819	28,286	1.2	2.5	2,200,480	98.6										
Masonry.....	543,850	989	(3)	.2	1,490,693	93.7										
Roofing and sheet metal work.....	2,918,371	2,081,233	86.6	71.3	6,421,197	98.4										
Roofing.....	620,463	593,978	24.7	95.7	1,617,751	98.4										
Sheet metal work.....	1,500,044	707,693	29.5	47.0	2,889,738	98.1										
Roofing and sheet metal combined.....	791,864	779,587	32.5	98.4	1,913,708	99.0										

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		
MASSACHUSETTS—Con.						MASSACHUSETTS—Con.							
<i>Electrical appliances and supplies—Continued</i>						<i>Bituminous paving materials, tar, asphalt, and oil—Continued.</i>							
General contractors—Contd.	\$805,320	\$1,125	(³)	0.1	\$2,849,070	90.8	General contractors—Contd.						
Dredging, river, harbor, etc.	11,271,177	1,530,481	27.3	13.7	62,600,109	61.5	Building—Continued						
Central station, light and power plant							Residential building only	\$1,459,780	\$100	(³)	(³)	\$5,692,924	64.3
Subcontractors	\$20,042,054	\$3,970,485	70.5	14.9	\$9,560,928	97.1	Highway	3,113,947	492,852	49.0	15.8	9,095,474	91.0
Electrical	4,104,104	3,950,478	70.0	06.3	9,252,888	99.9	Bridge and culvert	1,582,408	5,160	.6	.3	3,095,064	94.8
Elevator construction	2,317,015	4,201	.1	.2	3,560,001	96.4	Grading	302,002	22,287	2.2	7.4	1,738,811	97.2
Heating and plumbing	11,590,367	24,682	(³)	(²)	22,369,667	95.8	Street paving	1,304,840	377,618	38.0	29.0	4,231,586	89.9
Heating and piping	6,037,095	2,197	(³)	(³)	11,710,673	92.1	Sewer, gas, water, conduit	224,171	7,038	.7	3.1	1,331,227	99.7
Plumbing	4,239,576	22,456	(³)	(³)	8,078,165	99.0	Dam and reservoir	210,253	11,206	1.1	5.1	1,328,657	97.3
Masonry	543,850	54	(³)	(³)	1,400,093	93.7	Dredging, river, harbor, etc.	805,320	150	(³)	(³)	2,849,070	90.8
Grading	11,181	100	(³)	(³)	85,763	100.0	Central station, light and power plant	11,271,177	22,599	2.3	.2	62,000,109	61.5
<i>Elevators, dumb-waiters and equipment</i>						<i>Subcontractors—Contd.</i>							
All classes	\$66,181,106	2,315,855	100.0	3.5	\$233,258,224	75.1	Concreting	\$20,042,054	20,016	2.6	.1	\$9,500,928	97.1
General contractors	\$38,761,090	10,041	(³)	(³)	\$170,812,867	67.4	Masonry	255,794	4,900	.6	1.0	1,515,417	88.4
Building	19,707,215	10,041	(³)	(³)	\$81,734,745	64.4	Roofing and sheet metal work	543,850	15,100	1.5	2.8	1,490,093	93.7
Building not specialized	17,259,904	9,018	(³)	(³)	72,570,028	64.2	Sheet metal work		9	(³)	(³)	6,421,197	98.4
Residential building only	1,459,780	123	(³)	(³)	5,502,924	64.3	Excavating	30,103	3,007	.3	8.3	2,849,070	90.0
Subcontractors	\$20,042,054	2,305,814	99.6	8.7	\$9,560,928	97.1	Street paving	5,894	3,000	.3	50.9	30,976	100.0
Elevator construction	2,317,015	2,305,814	99.6	99.5	3,560,001	96.4	BOSTON						
<i>Machinery</i>						<i>Sand, gravel, stone, slag, cinders, etc.</i>							
All classes	\$66,181,106	2,017,092	100.0	4.0	\$233,258,224	75.1	All classes	34,547,560	2,773,855	100.0	8.0	143,187,854	70.5
General contractors	\$38,761,090	2,584,092	98.8	6.7	\$170,812,867	67.4	General contractors ¹	22,439,456	2,710,887	97.9	12.1	115,754,624	63.8
Building	19,707,215	199,982	7.6	1.0	\$81,734,745	64.4	Building	8,842,725	850,095	30.7	9.6	45,289,095	62.0
Building not specialized	17,259,904	120,457	4.6	.7	72,570,028	64.2	Building not specialized ¹	7,889,984	773,806	27.9	9.8	41,294,972	62.2
Commercial building only	818,887	70,525	3.0	9.7	2,933,370	60.7	Commercial building only	595,378	49,516	1.8	8.3	1,901,441	68.4
Waterworks	100,085	20,910	.8	20.8	182,606	100.0	Manufacturing building only	125,592	18,924	.7	15.1	430,489	74.2
Dredging, river, harbor, etc.	805,320	7,000	.3	.9	2,849,070	90.8	Residential building only	231,771	3,449	.9	3.6	1,603,093	51.5
Central station, light and power plant	11,271,177	2,356,800	90.1	20.9	62,600,109	61.5	Highway	633,304	288,453	10.4	45.5	2,207,580	79.8
Subcontractors	\$20,042,054	32,400	1.2	.1	\$9,560,928	97.1	Bridge and culvert	376,140	122,806	4.4	32.5	1,156,806	100.0
Electrical	4,104,104	32,400	1.2	.8	9,252,888	99.9	Grading	65,054	18,216	6.7	28.0	310,726	100.0
<i>Pipe: Cast iron, sheet and tube steel, etc.</i>						<i>Street paving</i>							
All classes	\$66,181,106	1,700,153	100.0	2.7	\$233,258,224	75.1	405,527	248,130	8.9	40.8	2,100,069	88.6	
General contractors ¹	\$39,538,512	1,108,330	67.7	3.0	\$173,757,290	67.2	Sewer, gas, water, conduit	143,618	32,407	1.2	22.6	1,115,391	99.6
Building	20,484,637	181,202	10.2	.9	\$84,679,174	64.1	Dam and reservoir	162,812	51,146	1.8	31.4	675,000	100.0
Building not specialized ¹	18,037,880	181,045	10.2	1.0	75,514,457	63.0	Waterworks	33,350	840	(²)	(²)	52,072	100.0
Residential building only	1,459,780	217	(³)	(³)	5,502,924	94.0	Dredging, river, harbor, etc.	572,008	4,982	(²)	(²)	1,904,838	86.3
Highway	3,113,947	15,613	.9	.5	9,695,474	91.3	Railroad	125,712	612	(³)	(³)	1,253,383	95.3
Bridge and culvert	1,582,408	5,082	.3	.3	3,693,664	94.8	Central station, light and power plant	10,875,000	1,099,100	39.6	10.1	59,527,764	59.9
Grading	302,002	2,467	.1	.8	1,738,811	97.2	Subcontractors	\$12,108,104	56,968	2.1	.5	\$27,433,230	96.5
Street paving	1,304,840	682	(³)	(³)	4,231,680	80.0	Concreting	88,335	11,478	.4	10.8	451,494	100.0
Sewer, gas, water, conduit	224,171	35,843	2.0	15.8	1,881,227	90.7	Electrical	1,703,391	1,686	(¹)	(¹)	4,182,756	99.8
Waterworks	33,350	7,000	.4	21.0	62,072	100.0	Heating and plumbing	4,753,018	125	(³)	(³)	4,373,968	94.4
Dredging, river, harbor, etc.	805,320	70	(³)	(³)	2,849,070	90.8	Plumbing	2,030,638	125	(³)	(³)	4,014,118	97.8
Central station, light and power plant	11,271,177	950,520	53.7	8.4	62,600,109	61.5	Masonry	130,146	2,800	.1	2.2	265,512	99.5
Subcontractors	\$20,042,054	570,814	32.3	2.1	\$9,560,928	97.1	Plastering and lathing	195,419	12,554	.5	6.4	812,966	91.2
Concreting	255,794	1,292	.1	.5	1,515,417	88.4	Steel erection	277,573	1,132	(³)	(³)	525,635	95.4
Electrical	4,104,104	23,043	1.3	.6	9,252,888	99.9	Marble and tiling	586,224	9,799	.4	1.7	1,378,578	96.8
Heating and plumbing	11,590,367	542,304	30.7	4.7	22,369,667	95.8	Foundation	30,422	17,894	.6	57.2	153,558	100.0
Heating and piping	6,037,095	444,253	25.1	7.4	11,710,673	92.1	<i>Brick (face, common, fire, paving, etc.)</i>						
Plumbing	4,239,576	23,521	1.3	.6	8,078,165	99.0	All classes	34,547,560	1,629,774	100.0	4.7	143,187,854	70.5
Plumbing and heating combined	1,140,819	74,530	4.2	6.5	2,200,480	98.6	General contractors ¹	22,439,456	1,518,567	93.0	6.8	115,754,624	63.8
Masonry	543,850	150	(³)	(³)	1,490,093	93.7	Building	8,842,725	1,212,270	74.4	13.7	45,289,095	62.0
Plastering and lathing	402,060	25	(³)	(³)	1,525,565	91.5	Building not specialized ¹	7,889,984	1,137,021	69.8	14.4	41,294,972	62.2
Roofing and sheet metal work	\$2,918,371	4,000	.2	.1	\$6,421,197	98.4	Commercial building only	595,378	33,163	2.0	5.6	1,901,441	68.4
Sheet metal work	1,500,014	4,000	.2	.3	2,889,738	98.1	Manufacturing building only	125,592	17,000	1.1	14.0	430,489	74.2
<i>Bituminous paving materials, tar, asphalt, and oil</i>						<i>Residential building only</i>							
All classes	\$66,181,106	994,216	100.0	1.5	\$233,258,224	75.1	231,771	23,886	1.5	10.3	1,603,093	51.5	
General contractors	\$38,761,090	968,200	97.4	2.5	\$170,812,867	67.4	Highway	633,304	1,175	(¹)	(¹)	2,297,550	79.8
Building	19,707,215	28,990	2.9	.1	\$81,734,745	64.4	Bridge and culvert	376,140	1,156	(³)	(³)	1,156,806	100.0
Building not specialized	17,259,904	28,890	2.9	.2	72,570,028	64.2	Grading	65,054	2,893	.9	2.4	310,726	100.0

See footnotes at end of table.

CONSTRUCTION—MASSACHUSETTS

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—	
			Total cost	Cost of all distributed materials											Total cost	Cost of all distributed materials
BOSTON—Continued						BOSTON—Continued										
<i>Brick (face, common, fire, paving, etc.)—Continued</i>						<i>Structural steel</i>										
All classes.....	\$34,547,560	604,526	100.0	1.7	\$143,187,854	70.5	All classes.....	\$34,547,560	\$2,070,909	100.0	6.0	\$143,187,854	70.5			
Subcontractors.....	\$12,108,104	\$114,207	7.0	0.9	\$27,433,230	96.5	General contractors.....	\$22,287,471	1,927,315	93.1	8.0	\$115,033,182	63.8			
Concreting.....	68,335	74	(*)	.1	451,464	100.0	Building.....	8,690,740	752,918	36.4	8.7	44,568,553	62.1			
Electrical.....	1,703,391	1,173	.1	.1	4,182,756	99.8	Building not specialized.....	7,737,999	670,695	32.4	8.7	40,573,530	62.3			
Masonry.....	130,146	111,520	6.8	85.7	265,512	99.5	Commercial building only.....	595,378	37,364	1.8	0.3	1,961,441	68.4			
Plastering and lathing.....	195,419	414	(*)	.2	812,966	91.2	Manufacturing building only.....	125,592	12,735	.6	10.1	430,489	74.2			
Steel erection.....	277,573	1,026	.1	.4	525,635	95.4	Residential building only.....	231,771	32,124	1.0	13.9	1,003,093	51.5			
<i>Tile, facing, terra cotta, floor and wall</i>							Highway.....	633,304	109,885	5.3	17.4	2,297,580	79.8			
All classes.....	34,547,560	604,526	100.0	1.7	143,187,854	70.5	Bridge and culvert.....	376,146	27,118	1.3	7.2	1,156,809	100.0			
General contractors.....	\$22,430,456	213,859	35.4	1.0	\$115,754,624	63.8	Street paving.....	608,527	6,632	.3	1.1	2,100,069	88.6			
Building.....	8,842,725	212,108	35.1	2.4	45,289,995	62.0	Sewer, gas, water, conduit.....	143,618	2,000	.1	1.4	1,115,391	99.6			
Building not specialized.....	7,889,084	204,056	33.8	2.6	41,294,972	62.2	Waterworks.....	33,350	300	(*)	.9	52,072	100.0			
Commercial building only.....	595,378	3,509	.6	.6	1,961,441	68.4	Dredging, river, harbor, etc.....	572,608	5,112	.2	.9	1,904,838	86.3			
Residential building only.....	231,771	4,631	.8	2.0	1,603,093	51.5	Central station, light and power plant.....	10,875,600	1,023,350	49.4	9.4	59,527,764	59.9			
Dredging, river, harbor, etc.....	572,608	260	(*)	(*)	1,904,838	86.3	Subcontractors.....	\$12,108,104	143,594	6.9	1.2	\$27,433,230	96.5			
Central station, light and power plant.....	10,875,600	1,400	.2	(*)	59,527,764	59.9	Electrical.....	1,703,391	250	(*)	.7	4,182,756	99.8			
Subcontractors.....	\$12,108,104	390,670	64.6	3.2	\$27,433,230	96.5	Heating and plumbing.....	4,753,618	525	(*)	(*)	9,373,908	94.4			
Marble and tiling.....	586,224	300,670	64.6	60.6	1,378,578	96.8	Heating and piping.....	2,512,055	500	(*)	(*)	4,907,779	91.1			
<i>Cut stone, granite and marble</i>							Plumbing.....	2,060,638	25	(*)	(*)	4,044,118	97.3			
All classes.....	\$34,547,560	1,199,580	100.0	3.5	\$143,187,854	70.5	Masonry.....	130,146	4,300	.2	3.3	2,655,512	99.5			
General contractors.....	\$22,287,471	1,036,485	86.4	4.7	\$115,033,182	63.8	Glass and glazing.....	205,149	89	(*)	.3	526,689	95.4			
Building.....	8,690,740	178,407	14.0	2.1	44,568,553	62.1	Steel erection.....	277,573	130	(*)	.3	525,635	95.4			
Building not specialized.....	7,737,999	169,801	14.2	2.2	40,573,530	62.3	Ornamental iron.....	163,194	7,838	.4	4.8	404,241	99.5			
Residential building only.....	231,771	8,606	.7	3.7	1,603,093	51.5	<i>Reinforcing steel</i>									
Highway.....	633,304	19,074	1.6	3.0	2,297,580	79.8	All classes.....	\$34,547,560	751,087	100.0	2.2	\$143,187,854	70.5			
Bridge and culvert.....	376,146	41,264	3.4	11.0	1,156,809	100.0	General contractors.....	\$22,287,471	687,884	91.6	3.1	\$115,033,182	63.8			
Grading.....	65,054	2,440	.2	3.8	310,726	100.0	Building.....	8,690,740	404,971	53.9	4.7	44,568,553	62.1			
Street paving.....	608,527	1,642	.1	3.3	2,160,069	88.6	Building not specialized.....	7,737,999	337,839	45.0	4.4	40,573,530	62.3			
Dredging, river, harbor, etc.....	572,608	48,562	4.1	8.5	1,904,838	86.3	Commercial building only.....	595,378	45,910	6.1	7.7	1,961,441	68.4			
Central station, light and power plant.....	10,875,600	745,000	62.1	6.9	59,527,764	59.9	Manufacturing building only.....	125,592	14,144	1.9	11.3	430,489	74.2			
Subcontractors.....	\$12,108,104	163,095	13.6	1.3	\$27,433,230	96.5	Residential building only.....	231,771	7,078	.9	3.1	1,003,093	51.5			
Concreting.....	68,335	50	(*)	.1	451,464	100.0	Highway.....	633,304	17,253	2.8	2.7	2,297,580	79.8			
Marble and tiling.....	586,224	163,045	13.6	27.8	1,378,578	96.8	Bridge and culvert.....	376,146	26,593	3.5	7.1	1,156,809	100.0			
<i>Cement</i>							Grading.....	65,054	1,594	.2	2.6	310,726	100.0			
All classes.....	\$34,547,560	2,573,090	100.0	7.4	\$143,187,854	70.5	Street paving.....	608,527	8,933	1.2	1.6	2,100,069	88.6			
General contractors.....	\$22,430,456	2,515,358	97.8	11.2	\$115,754,624	63.8	Sewer, gas, water, conduit.....	143,618	1,654	.1	.7	1,115,391	99.6			
Building.....	8,842,725	1,140,858	44.6	13.0	45,289,995	62.0	Dam and reservoir.....	162,812	17,031	2.3	10.6	675,000	100.0			
Building not specialized.....	7,889,084	1,054,425	41.0	13.4	41,294,972	62.2	Waterworks.....	33,350	200	(*)	.6	52,072	100.0			
Commercial building only.....	595,378	53,735	2.1	9.0	1,961,441	68.4	Dredging, river, harbor, etc.....	572,608	839	.1	.1	1,904,838	86.3			
Manufacturing building only.....	125,592	23,132	.9	18.4	430,489	74.2	Railroad.....	125,712	2,416	.3	1.9	1,258,383	95.3			
Residential building only.....	231,771	15,566	.6	6.7	1,603,093	51.5	Central station, light and power plant.....	10,875,600	207,000	27.0	1.9	59,527,764	59.9			
Highway.....	633,304	59,847	2.3	9.4	2,297,580	79.8	Subcontractors.....	\$12,108,104	93,203	8.4	.5	\$27,433,230	96.5			
Bridge and culvert.....	376,146	43,984	1.7	11.7	1,156,809	100.0	Concreting.....	68,335	1,401	.2	2.1	4,182,756	100.0			
Grading.....	65,054	11,963	.5	18.4	310,726	100.0	Electrical.....	1,703,391	722	.1	(*)	4,182,756	99.8			
Street paving.....	608,527	121,188	4.7	19.9	2,160,069	88.6	Masonry.....	130,146	150	(*)	.1	2,655,512	99.5			
Sewer, gas, water, conduit.....	143,618	37,585	1.5	26.2	1,115,391	99.6	Glass and glazing.....	205,149	38	(*)	.3	526,689	95.4			
Dam and reservoir.....	162,812	16,195	.6	9.9	675,000	100.0	Steel erection.....	277,573	58,142	7.7	20.9	525,635	95.4			
Waterworks.....	33,350	1,500	.1	4.5	52,072	100.0	Ornamental iron.....	163,194	500	.1	.3	404,241	99.5			
Dredging, river, harbor, etc.....	572,608	4,268	.2	.7	1,904,838	86.3	Foundation.....	30,422	2,250	.3	7.4	163,558	100.0			
Central station, light and power plant.....	10,875,600	1,072,000	41.7	9.0	59,527,764	59.9	<i>Cast iron, miscellaneous, excluding pipe</i>									
Subcontractors.....	\$12,108,104	57,732	2.2	.5	\$27,433,230	96.5	All classes.....	\$34,547,560	424,839	100.0	1.2	\$143,187,854	70.5			
Concreting.....	68,335	21,998	.9	32.2	451,464	100.0	General contractors.....	\$22,287,471	349,972	82.4	1.6	\$115,033,182	63.8			
Electrical.....	1,703,391	2,549	.1	.1	4,182,756	99.8	Building.....	8,690,740	240,393	56.6	2.8	44,568,553	62.1			
Heating and plumbing.....	4,753,618	200	(*)	(*)	9,373,908	94.4	Building not specialized.....	7,737,999	239,593	56.4	3.1	40,573,530	62.3			
Heating and piping.....	2,512,055	260	(*)	(*)	4,907,779	91.1	Manufacturing building only.....	125,592	800	.2	.6	430,489	74.2			
Plumbing.....	2,060,638	3,529	.1	2.7	4,044,118	97.3	Highway.....	633,304	425	.1	.1	2,297,580	79.8			
Masonry.....	130,146	3,529	.1	2.7	265,512	99.5	Bridge and culvert.....	376,146	223	.1	.1	1,156,809	100.0			
Glass and glazing.....	205,149	3	(*)	.2	526,689	99.5	Grading.....	65,054	801	.2	1.2	310,726	100.0			
Steel erection.....	277,573	1,950	.1	.7	525,635	95.4	Sewer, gas, water, conduit.....	143,618	500	.1	.3	1,115,391	99.6			
Marble and tiling.....	586,224	12,811	.5	2.2	1,378,578	96.8	Dredging, river, harbor, etc.....	572,608	130	(*)	(*)	1,904,838	86.3			
Foundation.....	30,422	9,714	.4	31.9	153,558	100.0	Central station, light and power plant.....	10,875,600	107,500	25.3	1.0	59,527,764	59.9			

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 all materials distributed by kind	COST OF DESIGNATED MATERIAL			Value of construction business	Indicated per cent of all business done by own force ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	Cost of all materials distributed by kind	COST OF DESIGNATED MATERIAL			Value of construction business	Indicated per cent of all business done by own force ¹
		Amount	Percent of—						Amount	Percent of—			
			Total cost	Cost of all distributed materials						Total cost	Cost of all distributed materials		
BOSTON—Continued						BOSTON—Continued							
<i>Cast iron, miscellaneous, excluding pipe—Con.</i>						<i>Paints, varnishes, glass—Continued.</i>							
Subcontractors	\$12,108,104	\$74,867	17.6	0.6	\$27,433,230	96.5	Subcontractors	\$12,108,104	\$1,130,281	93.7	9.3	\$27,433,230	96.5
Concreting	68,335	3,711	.9	5.4	451,404	100.0	Carpentering and wood flooring	80,470	2,739	.2	3.4	348,338	81.4
Roofing and sheet metal work	1,272,675	71,006	16.7	5.6	2,512,418	97.4	Concreting	68,335	5,328	.4	7.8	451,404	100.0
Sheet metal work	863,154	71,006	16.7	8.2	1,412,711	96.3	Electrical	1,703,391	400	(³)	(³)	4,182,756	99.8
Steel erection	277,573	150	(³)	.1	525,635	95.4	Painting and decorating	457,638	419,311	34.7	91.6	3,061,073	99.6
<i>Lumber, rough and finished</i>						<i>Roofing and sheet metal</i>							
All classes	34,547,560	2,937,658	100.0	8.5	143,187,854	70.5	Roofing and sheet metal work	1,272,675	500,000	41.4	39.3	2,512,418	97.4
General contractors ²	22,439,456	2,846,504	90.9	12.7	115,754,624	63.8	Sheet metal work	863,154	500,000	41.4	57.9	1,412,711	96.3
Building	8,842,725	1,535,500	52.3	17.4	45,289,995	62.0	Steel erection	277,573	400	(³)	.1	525,635	95.4
Building not specialized ²	7,889,984	1,305,347	44.5	16.0	41,294,972	62.2	<i>Roofing and sheet metal</i>						
Commercial building only	595,378	154,253	5.3	25.9	1,961,441	68.4	All classes	34,547,560	619,911	100.0	1.8	143,187,854	70.5
Manufacturing building only	125,592	21,005	.7	16.7	430,489	51.5	General contractors ²	22,439,456	47,200	7.6	.2	115,754,624	63.8
Residential building only	231,771	53,895	1.8	23.3	1,603,093	74.2	Building	8,842,725	39,210	6.3	.4	45,289,995	62.0
Highway	633,304	28,116	1.0	4.4	2,297,589	70.8	Building not specialized ²	7,889,984	20,507	4.7	.4	41,294,972	62.2
Bridge and culvert	376,140	10,998	(³)	.8	1,156,806	100.0	Commercial building only	595,378	9,075	1.5	1.5	1,961,441	68.4
Grading	65,054	495	(³)	.8	310,726	100.0	Manufacturing building only	125,592	110	(³)	.1	430,489	74.2
Street paving	608,527	9,500	.3	1.6	2,166,069	88.0	Residential building only	231,771	628	.1	.3	1,603,093	51.5
Sewer, gas, water, conduit	143,618	10,792	.4	7.6	1,115,391	99.0	Waterworks	33,350	100	(³)	.3	52,072	100.0
Dam and reservoir	162,812	18,825	(³)	11.6	675,000	100.0	Dredging, river, harbor, etc.	572,608	660	.1	.1	1,904,838	86.3
Waterworks	33,350	600	(³)	1.8	62,072	100.0	Railroad	125,712	2,530	.4	2.0	1,258,383	95.3
Dredging, river, harbor, etc.	572,608	322,011	11.0	56.2	1,904,838	86.3	Central station, light and power plant	10,875,600	4,700	.8	(³)	59,527,764	59.9
Railroad	125,712	4,767	.2	3.8	1,258,383	95.3	Subcontractors	12,108,104	572,711	92.4	4.7	27,433,230	96.5
Central station, light and power plant	10,875,600	895,900	80.5	8.2	59,527,764	59.9	Concreting	68,335	36	(³)	.1	451,404	100.0
Subcontractors	12,108,104	91,154	3.1	.8	27,433,230	96.5	Electrical	1,703,391	2,000	.3	.1	4,182,756	99.8
Carpentering and wood flooring	80,470	72,442	2.5	90.0	348,338	81.4	Heating and plumbing combined	4,753,618	1,912	(³)	(³)	9,373,968	94.4
Concreting	68,335	1,850	.1	2.7	451,404	100.0	Plumbing and heating combined	14,048	1,012	.3	13.6	41,722	96.8
Roofing and sheet metal work	1,272,675	2,492	.1	1.2	4,182,756	99.8	Roofing and sheet metal work	1,272,675	568,763	91.7	44.7	2,512,418	97.4
Masonry	130,146	1,000	.1	1.2	265,512	99.5	Roofing	97,835	157,835	15.8	100.0	268,879	100.0
Roofing and sheet metal work	1,272,675	10,000	.3	.8	2,512,418	97.4	Sheet metal work	863,154	199,242	25.7	18.4	1,412,711	96.3
Sheet metal work	863,154	10,000	.3	1.2	1,412,711	96.3	Roofing and sheet metal combined	311,686	311,686	50.3	100.0	880,828	98.2
Steel erection	277,573	470	(³)	.2	525,635	95.4	<i>Heating and ventilating equipment</i>						
Dredging, river, harbor, etc.	14,003	1,236	(³)	8.8	42,329	100.0	All classes	34,547,560	2,718,343	100.0	7.9	143,187,854	70.5
Foundation	30,422	1,064	(³)	3.5	153,558	100.0	General contractors ²	22,439,456	84,110	3.1	.4	115,754,624	63.8
<i>Millwork</i>						<i>General contractors²</i>							
All classes	34,547,560	511,717	100.0	1.5	143,187,854	70.5	Building	8,842,725	52,481	1.9	.6	45,289,995	62.0
General contractors ²	22,439,456	501,925	98.1	2.2	115,754,624	63.8	Building not specialized ²	7,889,984	16,246	.6	.2	41,294,972	62.2
Building	8,842,725	402,221	96.2	5.0	45,289,995	62.0	Commercial building only	595,378	36,235	1.3	6.1	1,961,441	68.4
Building not specialized ²	7,889,984	432,408	84.5	5.5	41,294,972	62.2	Dredging, river, harbor, etc.	572,608	136	(³)	(³)	1,904,838	86.3
Commercial building only	595,378	22,504	4.4	3.8	1,961,441	68.4	Central station, light and power plant	10,875,600	31,500	1.2	.3	59,527,764	59.9
Manufacturing building only	125,592	3,410	.7	2.7	430,489	74.2	Subcontractors	12,108,104	2,634,227	96.9	21.8	27,433,230	96.5
Residential building only	231,771	33,899	6.9	14.6	1,603,093	51.5	Electrical	1,703,391	300	(³)	(³)	4,182,756	99.8
Bridge and culvert	376,140	54	(³)	.7	1,156,806	100.0	Heating and plumbing	4,753,618	2,620,620	96.4	55.1	9,373,968	94.4
Dredging, river, harbor, etc.	572,608	4,050	.8	(³)	1,904,838	86.3	Heating and piping	2,512,055	2,281,210	83.9	90.8	4,907,779	91.1
Central station, light and power plant	10,875,600	5,600	1.1	.1	59,527,764	59.9	Plumbing	2,000,638	272,311	10.0	18.2	4,044,118	97.8
Subcontractors	12,108,104	9,792	1.9	.1	27,433,230	96.5	Plumbing and heating combined	14,048	5,112	.2	36.4	41,722	96.8
Concreting	68,335	200	(³)	.3	451,404	100.0	Automatic temperature control	61,987	61,987	2.3	100.0	178,523	100.0
Masonry	130,146	200	(³)	.2	265,512	99.5	Roofing and sheet metal work	1,272,675	12,107	.4	1.0	2,512,418	97.4
Roofing and sheet metal work	1,272,675	9,192	1.8	.7	2,512,418	97.4	Sheet metal work	863,154	12,107	.4	1.4	1,412,711	96.3
Sheet metal work	863,154	9,192	1.8	1.1	1,412,711	96.3	Steel erection	277,573	1,200	(³)	.4	525,635	95.4
Steel erection	277,573	200	(³)	.1	525,635	95.4	<i>Plumbing and gas fitting equipment</i>						
<i>Paints, varnishes, glass</i>						<i>Plumbing and gas fitting equipment</i>							
All classes	34,547,560	1,206,690	100.0	3.5	143,187,854	70.5	All classes	34,547,560	2,010,904	100.0	5.8	143,187,854	70.5
General contractors ²	22,439,456	76,465	6.3	.3	115,754,624	63.8	General contractors ²	22,439,456	47,253	2.3	.2	115,754,624	63.8
Building	8,842,725	63,796	5.3	.7	45,289,995	62.0	Building	8,842,725	43,113	2.1	.5	45,289,995	62.0
Building not specialized ²	7,889,984	51,494	4.3	.7	41,294,972	62.2	Building not specialized ²	7,889,984	34,080	1.7	.4	41,294,972	62.2
Commercial building only	595,378	10,521	.9	1.8	1,961,441	68.4	Commercial building only	595,378	9,033	.4	1.5	1,961,441	68.4
Manufacturing building only	125,592	1,781	.1	.8	1,603,093	51.5	Waterworks	33,350	200	(³)	.6	52,072	100.0
Residential building only	231,771	1,781	.1	.8	1,603,093	51.5	Dredging, river, harbor, etc.	572,608	140	(³)	(³)	1,904,838	86.3
Bridge and culvert	376,140	64	(³)	.2	1,156,806	100.0	Central station, light and power plant	10,875,600	3,800	.2	(³)	59,527,764	59.9
Grading	65,054	2,735	.2	4.2	310,726	100.0	<i>See footnotes at end of table.</i>						
Sewer, gas, water, conduit	143,618	500	(³)	.3	1,115,391	99.0							
Waterworks	33,350	150	(³)	.4	62,072	100.0							
Dredging, river, harbor, etc.	572,608	670	.1	.1	1,904,838	86.3							
Central station, light and power plant	10,875,600	8,550	.7	.1	59,527,764	59.9							

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	Per cent of—			Value of construction business				Cost of all materials distributed by kind	Per cent of—			Value of construction business			Indicated per cent of all business done by own force ¹
		Amount	Total cost	Cost of distributed materials						Amount	Total cost	Cost of distributed materials				
BOSTON—Continued							CAMBRIDGE									
<i>Plumbing and gas fitting equipment—Continued</i>							<i>Sand, gravel, stone, slag, cinders, etc.</i>									
Subcontractors.....	\$12,108,104	\$1,968,651	97.7	16.2	\$27,433,230	96.5	All classes.....	\$4,578,933	\$231,594	100.0	5.1	\$10,950,800	84.2			
Heating and plumbing.....	4,753,618	1,962,851	97.6	41.3	9,373,908	94.4	General contractors.....	1,784,668	212,844	91.9	11.9	5,276,698	79.0			
Heating and piping.....	2,512,055	74,834	3.7	3.0	4,907,779	91.1	Building.....	414,123	40,434	17.6	9.8	1,845,865	63.3			
Plumbing.....	2,060,638	1,770,103	88.3	86.2	4,044,118	97.8	Building not specialized.....	384,310	35,132	15.2	9.1	1,682,952	62.6			
Plumbing and heating combined.....	14,048	7,024	.3	50.0	41,722	96.8	Manufacturing building only.....	29,813	5,802	2.3	17.8	102,913	60.9			
Automatic sprinkler system.....	104,890	104,890	5.2	100.0	201,826	99.5	Highway.....	31,080	12,822	5.3	39.0	131,393	97.7			
Masonry.....	130,146	800	(*)	.6	265,512	99.5	Street paving.....	613,466	100,088	69.1	20.1	1,794,583	91.9			
<i>Electrical appliances and supplies</i>							<i>Brick (face, common, fire, paving, etc.)</i>									
All classes.....	34,547,500	3,243,130	100.0	0.4	143,187,854	70.5	All classes.....	4,578,933	68,052	100.0	1.5	10,950,800	84.2			
General contractors.....	22,439,450	1,578,543	48.7	7.0	115,754,624	63.8	General contractors.....	1,784,668	52,932	77.8	3.0	5,276,698	79.0			
Building.....	8,842,725	46,167	1.4	.5	45,289,995	62.0	Building.....	414,123	52,518	77.2	12.7	1,845,865	63.3			
Building not specialized.....	7,889,984	40,844	1.3	.5	41,294,972	62.2	Building not specialized.....	384,310	47,175	69.3	12.3	1,682,952	62.6			
Commercial building only.....	595,378	4,323	.1	.7	1,961,441	68.4	Manufacturing building only.....	29,813	5,843	7.0	17.0	102,913	60.9			
Residential building only.....	291,771	1,000	(*)	.4	1,603,033	51.5	Highway.....	31,080	414	.6	1.8	131,393	97.7			
Highway.....	633,304	251	(*)	(*)	2,297,580	79.8	Subcontractors.....	2,794,265	15,120	22.2	.5	5,680,102	90.9			
Waterworks.....	33,350	500	(*)	1.5	52,072	100.0	Concrete.....	58,111	10,120	14.9	17.4	433,855	58.5			
Dredging, river, harbor, etc.....	572,608	125	(*)	(*)	1,904,838	86.3	Marble and tiling.....	420,366	5,000	7.3	1.2	664,664	100.0			
Central station, light and power plant.....	10,875,600	1,531,500	47.2	14.1	59,527,704	59.9	<i>Tile, facing, terra cotta, floor and wall</i>									
Subcontractors.....	12,108,104	1,664,687	51.3	13.7	27,433,230	96.5	All classes.....	4,578,933	192,194	100.0	4.2	10,950,800	84.2			
Electrical.....	1,703,391	1,660,386	51.2	97.5	4,182,750	99.8	General contractors.....	1,784,668	12,046	6.3	.7	5,276,698	79.0			
Elevator construction.....	2,141,440	4,201	.1	.2	3,326,323	96.2	Building.....	414,123	12,046	6.3	2.9	1,845,865	63.3			
<i>Elevators, dumb-waiters and equipment</i>							<i>Cut stone, granite and marble</i>									
All classes.....	34,547,500	2,130,539	100.0	6.2	143,187,854	70.5	All classes.....	4,578,933	221,532	100.0	4.8	10,950,800	84.2			
General contractors.....	22,287,471	800	(*)	(*)	115,033,182	63.8	General contractors.....	1,784,668	7,282	3.3	.4	5,276,698	79.0			
Building.....	8,690,740	300	(*)	(*)	44,568,553	62.1	Highway.....	31,080	3,194	1.4	10.3	131,393	97.7			
Building not specialized.....	7,737,999	300	(*)	(*)	40,573,530	62.3	Street paving.....	613,466	4,088	1.8	.7	1,794,583	91.9			
Subcontractors.....	12,108,104	2,130,239	100.0	17.6	27,433,230	96.5	Subcontractors.....	2,794,265	180,148	93.7	0.4	5,680,102	90.9			
Elevator construction.....	2,141,440	2,130,239	100.0	99.5	3,326,323	96.2	Concrete.....	58,111	280	.1	.5	433,855	58.5			
<i>Pipe: Cast iron, sheet and tube steel, etc.</i>							<i>Cement</i>									
All classes.....	34,547,500	1,213,542	100.0	3.5	143,187,854	70.5	All classes.....	4,578,933	147,630	100.0	3.2	10,950,800	84.2			
General contractors.....	22,287,471	1,034,122	85.2	4.6	115,033,182	63.8	General contractors.....	1,784,668	125,137	84.8	7.0	5,276,698	79.0			
Building.....	8,690,740	72,768	6.0	.8	44,568,553	62.1	Building.....	414,123	55,433	37.5	13.4	1,845,865	63.3			
Building not specialized.....	7,737,999	72,768	6.0	.9	40,573,530	62.3	Building not specialized.....	384,310	40,901	33.8	13.0	1,682,952	62.6			
Bridge and culvert.....	376,146	479	(*)	.1	1,156,806	100.0	Manufacturing building only.....	29,813	5,532	3.7	18.6	102,913	60.9			
Grading.....	65,054	1,540	.1	2.4	310,720	100.0	Highway.....	31,080	3,650	2.5	11.7	131,393	97.7			
Sewer, gas, water, conduit.....	143,618	4,465	.4	3.1	1,115,391	99.0	Street paving.....	613,466	60,064	44.7	10.8	1,794,583	91.9			
Waterworks.....	33,350	7,000	.6	21.0	52,072	100.0	Subcontractors.....	2,794,265	22,493	15.2	.8	5,680,102	90.9			
Dredging, river, harbor, etc.....	572,608	70	(*)	(*)	1,904,838	86.3	Concrete.....	58,111	13,151	8.9	22.6	433,855	58.5			
Central station, light and power plant.....	10,875,600	947,800	78.1	8.7	59,527,704	59.9	Marble and tiling.....	420,366	9,342	6.3	2.2	664,664	100.0			
Subcontractors.....	12,108,104	179,420	14.8	1.5	27,433,230	96.5	<i>Structural steel</i>									
Electrical.....	1,703,391	14,100	1.2	.8	4,182,750	99.8	All classes.....	4,578,933	768,168	100.0	16.8	10,950,800	84.2			
Heating and plumbing.....	4,753,618	165,320	13.6	3.5	9,373,908	94.4	General contractors.....	1,784,668	741,488	96.5	41.5	5,276,698	79.0			
Heating and piping.....	2,512,055	153,511	12.6	6.1	4,907,779	91.1	Building.....	414,123	33,787	4.4	8.2	1,845,865	63.3			
Plumbing.....	2,060,638	11,809	1.0	.6	4,044,118	97.8	Building not specialized.....	384,310	33,787	4.4	8.8	1,682,952	62.6			
<i>Machinery</i>							<i>Structural steel</i>									
All classes.....	34,547,500	2,577,692	100.0	7.5	143,187,854	70.5	All classes.....	4,578,933	768,168	100.0	16.8	10,950,800	84.2			
General contractors.....	22,287,471	2,577,692	100.0	11.6	115,033,182	63.8	General contractors.....	1,784,668	125,137	84.8	7.0	5,276,698	79.0			
Building.....	8,690,740	100,982	7.8	2.3	44,568,553	62.1	Building.....	414,123	55,433	37.5	13.4	1,845,865	63.3			
Building not specialized.....	7,737,999	120,457	4.7	1.6	40,573,530	62.3	Building not specialized.....	384,310	40,901	33.8	13.0	1,682,952	62.6			
Commercial building only.....	595,378	70,526	3.1	13.4	1,061,441	68.4	Manufacturing building only.....	29,813	5,532	3.7	18.6	102,913	60.9			
Waterworks.....	93,485	20,910	.8	22.4	151,000	100.0	Highway.....	31,080	3,650	2.5	11.7	131,393	97.7			
Central station, light and power plant.....	10,875,600	2,356,800	91.4	21.7	59,527,704	59.9	Street paving.....	613,466	60,064	44.7	10.8	1,794,583	91.9			

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	Per cent of—		Cost of all distributed materials				Cost of all materials distributed by kind	Per cent of—		Cost of all distributed materials		
		Amount	Total cost						Amount	Total cost			
CAMBRIDGE—Continued						CAMBRIDGE—Continued							
<i>Structural steel—Contd.</i>						<i>Electrical appliances and supplies</i>							
General contractors—Contd.							All classes.....	\$4,578,933	\$91,951	100.0	2.0	\$10,950,800	84.2
Highway.....	\$31,080	\$201	(*)	0	\$181,893	97.7	General contractors.....	\$1,784,068	2,456	2.7	.1	\$5,276,098	79.0
Bridge and culvert.....	700,000	700,000	91.1	100.0	1,237,157	61.3	Building.....	\$414,123	1,455	1.6	.4	\$1,845,865	63.3
Dredging, river, harbor, etc.	26,000	7,500	1.0	28.8	267,700	100.0	Building not specialized..	384,310	1,455	1.6	.4	1,682,952	62.6
Subcontractors.....	\$2,794,265	26,680	3.5	1.0	\$5,680,102	90.9	Dredging, river, harbor, etc.	26,000	1,000	1.1	3.8	267,700	100.0
Concreting.....	58,111	11,680	1.5	20.1	433,855	68.5	Subcontractors.....	\$2,794,265	\$9,496	97.3	3.2	\$5,680,102	90.9
Electrical.....	172,896	15,000	2.0	8.7	346,440	100.0	Electrical.....	172,896	89,496	97.3	51.8	346,440	100.0
<i>Cast iron, miscellaneous, excluding pipe</i>						<i>Pipe, cast iron, sheet and tube steel, etc.</i>							
All classes.....	4,578,933	55,974	100.0	1.2	10,950,800	84.2	All classes.....	4,578,933	224,408	100.0	4.9	10,950,800	84.2
General contractors.....	\$1,784,068	30,074	55.3	1.7	\$5,276,098	79.0	General contractors.....	\$1,784,068	2,100	.9	.1	\$5,276,098	79.0
Building.....	\$414,123	52	.1	(*)	\$1,845,865	63.3	Building.....	\$414,123	2,100	.9	.5	\$1,845,865	63.3
Building not specialized..	384,310	52	.1	(*)	1,682,952	62.6	Building not specialized..	384,310	2,100	.9	.5	1,682,952	62.6
Street paving.....	613,465	28,922	51.7	4.7	1,794,553	91.9	Subcontractors.....	\$2,794,265	222,368	90.1	8.0	\$5,680,102	90.9
Dredging, river, harbor, etc.	26,000	2,000	3.6	7.7	267,700	100.0	Heating and plumbing.....	\$1,771,880	222,368	99.1	12.5	\$3,420,597	88.5
Subcontractors.....	\$2,794,265	25,000	44.7	.9	\$5,680,102	90.9	Heating and piping.....	1,710,748	222,368	99.1	13.0	3,300,898	86.7
Electrical.....	172,896	26,000	44.7	14.5	346,440	100.0	Bituminous paving materials, tar, asphalt, and oil						
<i>Lumber, rough and finished</i>						<i>Bituminous paving materials, tar, asphalt, and oil</i>							
All classes.....	\$4,578,933	102,072	100.0	2.2	\$10,950,800	84.2	All classes.....	\$4,578,933	265,159	100.0	5.8	\$10,950,800	84.2
General contractors.....	\$1,784,068	102,072	100.0	5.7	\$5,276,098	79.0	General contractors.....	\$1,784,068	265,159	100.0	14.9	\$5,276,098	79.0
Building.....	\$414,123	97,746	95.8	23.0	\$1,845,865	63.3	Building.....	\$414,123	1,745	.7	.5	\$1,845,865	63.3
Building not specialized..	384,310	88,360	86.6	23.0	1,682,952	62.6	Building not specialized..	384,310	1,745	.7	.5	1,682,952	62.6
Manufacturing building only.....	20,813	9,380	9.2	31.5	102,013	69.9	Highway.....	31,080	8,265	3.1	26.6	131,393	97.7
Highway.....	31,080	1,320	1.3	4.3	131,393	97.7	Street paving.....	613,465	255,149	96.2	41.6	1,794,553	91.9
Dredging, river, harbor, etc.	26,000	3,000	2.9	11.5	267,700	100.0	FALL RIVER						
<i>Roofing and sheet metal</i>						<i>Sand, gravel, stone, slag, cinders, etc.</i>							
All classes.....	4,578,933	335,765	100.0	7.3	10,950,800	84.2	All classes.....	1,187,642	40,973	100.0	3.4	3,262,363	85.7
General contractors.....	\$1,784,068	8,304	2.5	.5	\$5,276,098	79.0	General contractors.....	\$78,554	32,174	78.5	5.0	\$2,047,544	78.5
Building.....	\$414,123	8,304	2.5	2.0	\$1,845,865	63.3	Building.....	\$367,052	20,218	49.3	5.7	\$1,324,580	69.5
Building not specialized..	384,310	8,304	2.5	2.2	1,682,952	62.6	Building not specialized..	214,861	19,337	47.2	0.0	892,951	67.3
Subcontractors.....	\$2,794,265	327,461	97.5	11.7	\$5,680,102	90.9	Commercial building only.....	40,101	881	2.2	2.2	123,901	79.0
Roofing and sheet metal work.....	327,461	327,461	97.5	100.0	541,604	100.0	Highway.....	67,946	6,500	15.9	9.0	266,414	97.0
Roofing.....	13,546	13,546	4.0	100.0	38,430	100.0	Bridge and culvert.....	113,367	3,894	9.5	3.4	314,301	98.4
Sheet metal work.....	166,531	166,531	46.6	100.0	265,117	100.0	Sewer, gas, water, conduit.....	14,790	1,100	2.7	7.4	55,717	100.0
Roofing and sheet metal combined.....	157,384	157,384	46.9	100.0	238,051	100.0	Dredging, river, harbor, etc.	25,399	462	1.1	1.8	86,532	100.0
<i>Heating and ventilating equipment¹²</i>						<i>Brick (face, common, fire, paving, etc.)</i>							
All classes.....	4,578,933	1,207,489	100.0	26.4	10,950,800	84.2	All classes.....	1,187,642	42,971	100.0	3.6	3,262,363	85.7
General contractors.....	\$1,784,068	12,250	1.0	.7	\$5,276,098	79.0	General contractors.....	\$78,554	29,443	68.5	5.1	\$2,047,544	78.5
Building.....	\$414,123	12,250	1.0	3.0	\$1,845,865	63.3	Building.....	\$367,052	18,853	43.9	5.3	\$1,324,580	69.5
Building not specialized..	384,310	12,250	1.0	3.2	1,682,952	62.6	Building not specialized..	214,861	14,070	32.8	6.0	892,951	67.3
Subcontractors.....	\$2,794,265	1,165,239	99.0	42.8	\$5,680,102	90.9	Commercial building only.....	40,101	4,774	11.1	11.9	123,901	79.0
Heating and plumbing.....	1,771,880	1,165,239	99.0	67.5	3,420,597	88.5	Highway.....	67,946	590	1.4	.9	266,414	97.0
Heating and piping.....	1,710,748	1,184,041	98.1	69.2	3,300,898	86.7	Sewer, gas, water, conduit.....	14,790	10,000	23.3	67.6	55,717	100.0
Plumbing.....	61,132	10,598	.9	17.3	119,669	100.0	Subcontractors.....	\$600,088	13,528	31.5	2.2	\$1,214,819	98.4
<i>Plumbing and gas fitting equipment</i>						<i>Tile, facing, terra cotta, floor and wall</i>							
All classes.....	4,578,933	358,268	100.0	7.8	10,950,800	84.2	All classes.....	1,187,642	21,452	100.0	1.8	3,262,363	85.7
General contractors.....	\$1,784,068	3,935	1.1	.2	\$5,276,098	79.0	General contractors.....	\$78,554	2,452	11.4	.4	\$2,047,544	78.5
Building.....	\$414,123	3,935	1.1	1.0	\$1,845,865	63.3	Building.....	\$367,052	2,452	11.4	.7	\$1,324,580	69.5
Building not specialized..	384,310	3,935	1.1	1.0	1,682,952	62.6	Building not specialized..	214,861	2,452	11.4	1.1	892,951	67.3
Subcontractors.....	\$2,794,265	354,333	98.9	12.7	\$5,680,102	90.9	<i>Marble and tiling</i>						
Heating and plumbing.....	1,771,880	354,333	98.9	20.0	3,420,597	88.5	General contractors.....	\$600,088	19,000	88.6	3.1	\$1,214,819	98.4
Heating and piping.....	1,710,748	303,799	84.8	17.8	3,300,898	86.7	Building.....	40,117	9,628	22.4	10.0	104,730	100.0
Plumbing.....	61,132	50,534	14.1	82.7	119,669	100.0	Plastering and lathing.....	25,642	3,000	9.1	15.2	59,486	88.1

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—					Amount	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
FALL RIVER—Continued						FALL RIVER—Continued										
<i>Cut stone, granite and marble</i>						<i>Lumber, rough and finished—Continued</i>										
All classes.....	\$1,187,642	\$81,027	100.0	6.9	\$3,262,363	85.7	General contractors—Contd.									
Building.....	578,554	67,816	82.8	11.7	2,047,544	78.5	Building—Continued.									
Building not specialized.....	357,052	12,955	16.8	3.9	1,324,580	69.5	Residential building only.....	\$102,000	\$12,000	9.8	11.8	\$307,728	73.7			
Commercial building only.....	214,861	12,955	16.8	6.0	892,951	67.3	Highway.....	67,946	4,442	3.5	6.5	266,414	97.0			
Bridge and culvert.....	113,367	54,801	67.0	48.4	314,301	98.4	Bridge and culvert.....	113,367	20,295	16.2	17.9	314,301	98.4			
Subcontractors.....	609,088	14,111	17.2	2.3	1,214,819	98.4	Sewer, gas, water, conduit.....	14,790	400	.3	2.7	55,717	100.0			
Masonry.....	49,117	14,111	17.2	28.7	104,730	100.0	Dredging, river, harbor, etc.....	25,399	14,773	11.8	58.2	86,532	100.0			
<i>Cement</i>						<i>Subcontractors.....</i>										
All classes.....	1,187,642	81,804	100.0	6.9	3,262,363	85.7	Plastering and lathing.....	609,088	1,250	1.0	.2	1,214,819	98.4			
General contractors.....	578,554	64,032	79.4	11.2	2,047,544	78.5	Plastering and lathing.....	25,642	1,250	1.0	4.9	59,486	88.1			
Building.....	357,052	21,943	26.8	6.1	1,324,580	69.5	<i>Millwork</i>									
Building not specialized.....	214,861	20,048	25.2	9.6	892,951	67.3	All classes.....	1,187,642	74,915	100.0	6.3	3,262,363	85.7			
Commercial building only.....	40,191	1,295	1.6	3.2	123,901	79.0	General contractors.....	578,554	74,195	99.0	12.8	2,047,544	78.5			
Highway.....	67,946	39,628	48.4	58.3	266,414	97.0	Building.....	357,052	74,195	99.0	20.8	1,324,580	69.5			
Sewer, gas, water, conduit.....	14,790	2,990	3.7	20.2	55,717	100.0	Building not specialized.....	214,861	24,195	32.3	11.3	892,951	67.3			
Dredging, river, harbor, etc.....	25,399	371	.5	1.5	86,532	100.0	Residential building only.....	102,000	50,000	66.7	49.0	307,728	73.7			
Subcontractors.....	609,088	10,872	20.6	2.8	1,214,819	98.4	Subcontractors.....	609,088	720	1.0	.1	1,214,819	98.4			
Masonry.....	49,117	4,717	5.8	9.6	104,730	100.0	Masonry.....	49,117	720	1.0	1.5	104,730	100.0			
Plastering and lathing.....	25,642	11,700	14.3	45.0	59,486	88.1	<i>Hardware, rough and finished</i>									
Marble and tiling.....	20,130	455	.6	2.3	37,222	97.3	All classes.....	1,187,642	34,736	100.0	2.9	3,262,363	85.7			
<i>Plaster, etc.</i>						<i>General contractors.....</i>										
All classes.....	1,187,642	17,400	100.0	1.5	3,262,363	85.7	Building.....	578,554	33,408	96.2	5.8	2,047,544	78.5			
General contractors.....	578,554	8,721	50.1	1.5	2,047,544	78.5	Building not specialized.....	357,052	25,339	72.9	7.1	1,324,580	69.5			
Building.....	357,052	8,721	50.1	2.4	1,324,580	69.5	Commercial building only.....	214,861	12,090	34.8	5.6	892,951	67.3			
Building not specialized.....	214,861	7,000	44.0	3.6	892,951	67.3	only.....	40,191	1,243	3.6	3.1	123,901	79.0			
Commercial building only.....	40,191	1,055	6.1	2.6	123,901	79.0	Residential building only.....	102,000	12,000	34.5	11.8	307,728	73.7			
Subcontractors.....	609,088	8,085	49.9	1.4	1,214,819	98.4	Highway.....	67,946	250	.7	.4	266,414	97.0			
Masonry.....	49,117	4,987	28.7	10.2	104,730	100.0	Bridge and culvert.....	113,367	5,761	16.6	5.1	314,301	98.4			
Plastering and lathing.....	25,642	3,648	21.0	14.2	59,486	88.1	Dredging, river, harbor, etc.....	25,399	2,064	5.9	8.1	86,532	100.0			
Marble and tiling.....	20,130	50	.3	.2	37,222	97.3	Subcontractors.....	609,088	1,327	3.8	.2	1,214,819	98.4			
<i>Structural steel</i>						<i>Plastering and lathing.....</i>										
All classes.....	1,187,642	32,591	100.0	2.7	3,262,363	85.7	Painting and decorating.....	25,642	1,327	3.8	5.2	50,486	88.4			
General contractors.....	578,554	32,591	100.0	5.6	2,047,544	78.5	<i>Paints, varnishes, glass</i>									
Building.....	357,052	19,167	58.8	5.4	1,324,580	69.5	All classes.....	1,187,642	28,368	100.0	2.4	3,262,363	85.7			
Building not specialized.....	214,861	11,867	36.4	5.5	892,951	67.3	General contractors.....	578,554	1,801	6.3	.3	2,047,544	78.5			
Commercial building only.....	40,191	7,300	22.4	18.2	123,901	79.0	Building.....	357,052	1,331	4.7	.4	1,324,580	69.5			
Bridge and culvert.....	113,367	13,424	41.2	11.8	314,301	98.4	Building not specialized.....	214,861	1,331	4.7	.6	892,951	67.3			
<i>Reinforcing steel</i>						<i>Highway.....</i>										
All classes.....	1,187,642	21,745	100.0	1.8	3,262,363	85.7	Bridge and culvert.....	113,367	10	(3)	(3)	266,414	97.0			
General contractors.....	578,554	21,845	98.2	3.7	2,047,544	78.5	Subcontractors.....	609,088	400	1.6	.4	314,301	98.4			
Building.....	357,052	3,908	17.9	1.1	1,324,580	69.5	Heating and plumbing.....	609,088	26,567	93.7	4.4	1,214,819	98.4			
Building not specialized.....	214,861	3,003	17.0	1.8	892,951	67.3	Plumbing and heating combined.....	286,529	450	1.6	.2	489,772	97.8			
Commercial building only.....	40,191	14,334	65.9	21.1	266,414	97.0	Painting and decorating.....	81,612	450	1.6	.6	158,854	98.1			
Bridge and culvert.....	113,367	2,808	12.9	2.5	314,301	98.4	Painting and decorating.....	21,933	21,033	74.1	100.0	88,418	100.0			
Sewer, gas, water, conduit.....	14,790	300	1.4	2.0	55,717	100.0	Glass and glazing.....	20,857	5,084	17.9	18.9	66,344	100.0			
Subcontractors.....	609,088	400	1.8	.1	1,214,819	98.4	<i>Roofing and sheet metal</i>									
Masonry.....	49,117	400	1.8	.8	104,730	100.0	All classes.....	1,187,642	50,967	100.0	4.3	3,262,363	85.7			
<i>Ornamental metal work</i>						<i>General contractors.....</i>										
All classes.....	1,187,642	21,280	100.0	1.8	3,262,363	85.7	Building.....	578,554	16,066	31.5	2.8	2,047,544	78.5			
General contractors.....	578,554	880	4.1	.2	2,047,544	78.5	Building not specialized.....	357,052	15,038	20.6	4.2	1,324,580	69.5			
Building.....	357,052	880	4.1	.2	1,324,580	69.5	Commercial building only.....	214,861	4,135	8.1	1.9	892,951	67.3			
Building not specialized.....	214,861	880	4.1	.4	892,951	67.3	only.....	40,191	953	1.9	2.4	123,901	79.0			
Subcontractors.....	609,088	20,400	95.9	3.3	1,214,819	98.4	Residential building only.....	102,000	10,000	19.6	9.8	307,728	73.7			
Glass and glazing.....	26,857	20,400	95.9	76.0	66,344	100.0	Bridge and culvert.....	113,367	977	1.9	.9	314,301	98.4			
<i>Lumber, rough and finished</i>						<i>Subcontractors.....</i>										
All classes.....	1,187,642	125,271	100.0	10.5	3,262,363	85.7	Heating and plumbing.....	609,088	34,902	68.5	5.7	1,214,819	98.4			
General contractors.....	578,554	124,021	99.0	21.4	2,047,544	78.5	Plumbing and heating combined.....	286,529	4,743	9.3	1.7	489,772	97.8			
Building.....	357,052	84,111	67.1	23.6	1,324,580	69.5	Plumbing and heating combined.....	92,311	1,000	2.0	1.1	179,313	100.0			
Building not specialized.....	214,861	51,984	41.5	24.2	892,951	67.3	Roofing and sheet metal work.....	81,612	3,743	7.3	4.6	158,854	98.1			
Commercial building only.....	40,191	20,127	16.1	50.1	123,901	79.0	Roofing.....	30,639	30,159	99.2	98.4	79,001	100.0			
						<i>Roofing and ventilating equipment</i>										
						All classes.....										
						Subcontractors.....										
						Heating and plumbing.....										
						Heating and piping.....										
						Plumbing.....										
						Plumbing and heating combined.....										

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	Per cent of—			Value of construction business			Cost of all materials distributed by kind	Per cent of—			Value of construction business	
		Amount	Total cost	Cost of all distributed materials					Amount	Total cost	Cost of all distributed materials		
FALL RIVER—Continued						LOWELL—Continued							
<i>Plumbing and gas fitting equipment</i>						<i>Hardware, rough and finished</i>							
All classes.....	\$1,187,642	\$134,319	100.0	11.3	\$3,262,363	85.7	All classes.....	\$479,827	\$10,632	100.0	2.2	\$1,190,187	87.7
General contractors.....	578,554	1,607	1.2	.3	2,047,544	78.5	General contractors.....	231,847	10,632	100.0	4.6	631,017	81.9
Bridge and culvert.....	118,307	1,607	1.2	1.4	314,301	98.4	Building.....	231,847	10,632	100.0	4.6	631,017	81.9
Subcontractors.....	609,088	132,712	98.8	21.8	1,214,819	98.4	Building not specialized..	231,847	10,632	100.0	4.6	631,017	81.9
Heating and plumbing.....	286,529	132,712	98.8	46.3	480,772	97.8	<i>Paints, varnishes, glass</i>						
Heating and piping.....	112,606	8,379	2.5	3.0	161,606	95.1	All classes.....	479,827	27,253	100.0	5.7	1,100,187	87.7
Plumbing.....	92,311	81,164	60.4	87.9	179,313	100.0	General contractors.....	231,847	1,374	5.0	.6	631,017	81.9
Plumbing and heating combined.....	81,612	48,169	35.9	59.0	168,854	98.1	Building.....	231,847	1,374	5.0	.6	631,017	81.9
<i>Electrical appliances and supplies</i>						<i>Roofing and sheet metal</i>							
All classes.....	1,187,642	149,656	100.0	12.6	3,202,363	85.7	All classes.....	479,827	43,675	100.0	9.1	1,100,187	87.7
General contractors.....	578,554	615	.3	.1	2,047,544	78.5	General contractors.....	231,847	6,827	15.6	2.9	631,017	81.9
Bridge and culvert.....	118,307	615	.3	.5	314,301	98.4	Building.....	231,847	6,827	15.6	2.9	631,017	81.9
Subcontractors.....	609,088	149,141	99.7	24.5	1,214,819	98.4	Building not specialized..	231,847	6,827	15.6	2.9	631,017	81.9
Electrical.....	149,141	149,141	99.7	100.0	289,849	100.0	Subcontractors.....	247,980	36,848	84.4	14.0	559,170	99.2
LOWELL						LYNN							
<i>Sand, gravel, stone, slag, cinders, etc.</i>						<i>Sand, gravel, stone, slag, cinders, etc.</i>							
All classes.....	479,827	17,150	100.0	3.6	1,190,187	87.7	All classes.....	868,714	70,612	100.0	8.1	3,128,030	71.8
General contractors.....	231,847	15,956	93.0	6.9	631,017	81.9	General contractors.....	522,869	70,612	100.0	13.5	2,232,147	60.4
Building.....	231,847	15,956	93.0	6.9	631,017	81.9	Building.....	442,482	12,612	17.9	2.9	1,932,336	59.2
Building not specialized..	231,847	15,956	93.0	6.9	631,017	81.9	Building not specialized..	322,701	9,273	13.1	2.9	1,431,010	58.5
Subcontractors.....	247,980	1,200	7.0	.5	559,170	99.2	Commercial building only.....	58,100	3,339	4.7	5.7	275,000	69.8
Roofing and sheet metal work.....	38,048	1,200	7.0	3.2	100,712	96.0	Highway.....	60,594	47,500	67.3	78.4	212,000	59.9
Roofing.....	38,048	1,200	7.0	3.2	100,712	96.0	Telephone line and system..	19,793	10,500	14.9	53.0	87,811	100.0
<i>Brick (face, common, fire, paving, etc.)</i>						<i>Plumbing and gas fitting equipment</i>							
All classes.....	479,827	10,194	100.0	2.1	1,190,187	87.7	All classes.....	479,827	71,069	100.0	14.8	1,190,187	87.7
General contractors.....	231,847	10,194	100.0	4.4	631,017	81.9	General contractors.....	231,847	18,077	25.4	7.8	631,017	81.9
Building.....	231,847	10,194	100.0	4.4	631,017	81.9	Building.....	231,847	18,077	25.4	7.8	631,017	81.9
Building not specialized..	231,847	10,194	100.0	4.4	631,017	81.9	Building not specialized..	231,847	18,077	25.4	7.8	631,017	81.9
<i>Cement</i>						<i>Structural steel</i>							
All classes.....	479,827	30,825	100.0	6.4	1,190,187	87.7	All classes.....	479,827	11,600	100.0	2.4	1,190,187	87.7
General contractors.....	231,847	30,825	100.0	13.3	631,017	81.9	General contractors.....	231,847	11,600	100.0	5.0	631,017	81.9
Building.....	231,847	30,825	100.0	13.3	631,017	81.9	Building.....	231,847	11,600	100.0	5.0	631,017	81.9
Building not specialized..	231,847	30,825	100.0	13.3	631,017	81.9	Building not specialized..	231,847	11,600	100.0	5.0	631,017	81.9
<i>Reinforcing steel</i>						<i>Electrical appliances and supplies¹¹</i>							
All classes.....	479,827	19,086	100.0	4.0	1,190,187	87.7	All classes.....	479,827	61,346	100.0	19.0	1,190,187	87.7
General contractors.....	231,847	19,086	100.0	8.2	631,017	81.9	General contractors.....	231,847	5,000	5.5	2.2	631,017	81.9
Building.....	231,847	19,086	100.0	8.2	631,017	81.9	Building.....	231,847	5,000	5.5	2.2	631,017	81.9
Building not specialized..	231,847	19,086	100.0	8.2	631,017	81.9	Building not specialized..	231,847	5,000	5.5	2.2	631,017	81.9
<i>Lumber, rough and finished</i>						<i>Millwork</i>							
All classes.....	479,827	28,503	100.0	5.9	1,190,187	87.7	All classes.....	479,827	24,037	100.0	5.0	1,190,187	87.7
General contractors.....	231,847	28,503	100.0	12.3	631,017	81.9	General contractors.....	231,847	24,037	100.0	10.4	631,017	81.9
Building.....	231,847	28,503	100.0	12.3	631,017	81.9	Building.....	231,847	24,037	100.0	10.4	631,017	81.9
Building not specialized..	231,847	28,503	100.0	12.3	631,017	81.9	Building not specialized..	231,847	24,037	100.0	10.4	631,017	81.9

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 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		
LYNN—Continued						LYNN—Continued							
Brick (face, common, fire, paving, etc.)						Roofing and sheet metal—Continued							
All classes.....	\$ 868,714	\$51,609	100.0	5.9	\$ 3,128,030	71.8	Subcontractors.....	\$345,845	\$68,138	98.4	18.3	\$ 895,883	94.3
General contractors ²	4 522,869	51,609	100.0	9.9	2,232,147	60.4	Heating and plumbing.....	108,810	1,724	2.7	1.6	211,981	87.1
Building.....	442,482	50,729	98.3	11.5	1,932,336	59.2	Plumbing.....	57,466	1,724	2.7	3.0	103,763	100.0
Building not specialized ²	322,701	20,079	38.9	6.2	1,431,010	58.5	Roofing and sheet metal work.....	66,777	61,414	95.7	92.0	193,402	99.5
Commercial building only.....	58,100	30,650	59.4	52.8	275,000	69.8	Roofing.....	18,000	18,000	28.1	100.0	55,000	100.0
Telephone line and system.....	19,793	880	1.7	4.4	87,811	100.0	Sheet metal work.....	26,571	21,208	33.1	79.8	79,649	98.8
Tile (fireproofing)						Heating and ventilating equipment							
All classes.....	\$ 868,714	16,034	100.0	1.8	\$ 3,128,030	71.8	All classes.....	868,714	56,403	100.0	6.5	3,128,030	71.8
General contractors ²	4 522,869	16,034	100.0	3.1	2,232,147	60.4	General contractors ²	4 522,869	12,535	22.2	2.4	2,232,147	60.4
Building.....	442,482	16,034	100.0	3.6	1,932,336	59.2	Building.....	442,482	12,535	22.2	2.8	1,932,336	59.2
Building not specialized ²	322,701	15,829	98.7	4.9	1,431,010	58.5	Building not specialized ²	322,701	4,882	8.7	1.5	1,431,010	58.5
Residential building only.....	61,681	205	1.3	.3	226,326	53.5	Residential building only.....	61,681	7,653	13.6	12.4	226,326	53.5
Cement						Plumbing and gas-fitting equipment							
All classes.....	\$ 868,714	23,810	100.0	2.7	\$ 3,128,030	71.8	All classes.....	868,714	90,104	100.0	10.4	3,128,030	71.8
General contractors ²	4 522,869	23,810	100.0	4.6	2,232,147	60.4	General contractors ²	4 522,869	21,523	23.9	4.1	2,232,147	60.4
Building.....	442,482	16,134	67.8	3.6	1,932,336	59.2	Building.....	442,482	21,523	23.9	4.9	1,932,336	59.2
Building not specialized ²	322,701	11,213	47.1	3.5	1,431,010	58.5	Building not specialized ²	322,701	6,708	7.5	2.1	1,431,010	58.5
Residential building only.....	61,681	205	1.3	.3	226,326	53.5	Residential building only.....	61,681	14,725	16.3	23.9	226,326	53.5
Lumber, rough and finished						Electrical appliances and supplies							
All classes.....	\$ 868,714	186,491	100.0	21.5	\$ 3,128,030	71.8	All classes.....	868,714	104,849	100.0	12.1	3,128,030	71.8
General contractors ²	4 522,869	186,491	100.0	35.7	2,232,147	60.4	General contractors ²	4 522,869	8,962	3.8	.8	2,232,147	60.4
Building.....	442,482	186,491	100.0	42.1	1,932,336	59.2	Building.....	442,482	3,962	3.8	.9	1,932,336	59.2
Building not specialized ²	322,701	152,107	81.6	47.2	1,431,010	58.5	Building not specialized ²	322,701	3,640	3.4	1.1	1,431,010	58.5
Commercial building only.....	58,100	10,006	10.2	32.7	275,000	69.8	Residential building only.....	61,681	422	.4	.7	226,326	53.5
Telephone line and system.....	19,793	7,676	32.2	38.8	87,811	100.0	Subcontractors.....	345,845	100,887	96.2	29.2	895,883	94.3
Millwork						NEW BEDFORD							
All classes.....	\$ 868,714	46,278	100.0	5.3	\$ 3,128,030	71.8	Sand, gravel, stone, slag, cinders, etc.						
General contractors ²	4 522,869	46,278	100.0	8.0	2,232,147	60.4	All classes.....	312,646	41,964	100.0	13.4	927,437	88.6
Building.....	442,482	46,278	100.0	10.5	1,932,336	59.2	General contractors.....	126,955	41,964	100.0	33.1	448,642	79.1
Building not specialized ²	322,701	36,245	78.3	11.2	1,431,010	58.5	Building.....	88,023	3,032	7.2	3.4	348,235	75.9
Residential building only.....	61,681	10,033	21.7	16.3	226,326	53.5	Building not specialized.....	58,475	2,075	4.9	8.5	228,551	74.5
Hardware, rough and finished						Manufacturing building							
All classes.....	\$ 868,714	19,769	100.0	2.3	\$ 3,128,030	71.8	Highway.....	13,179	957	2.8	7.3	45,021	77.8
General contractors ²	4 522,869	19,769	100.0	3.8	2,232,147	60.4	Highway.....	38,932	38,932	92.8	100.0	98,407	100.0
Building.....	442,482	19,769	100.0	4.5	1,932,336	59.2	Brick (face, common, fire, paving, etc.)						
Building not specialized ²	322,701	15,008	76.2	4.7	1,431,010	58.5	All classes.....	312,646	5,611	100.0	1.8	927,437	88.6
Commercial building only.....	58,100	160	.8	.3	275,000	69.8	General contractors.....	126,955	5,611	100.0	4.4	448,642	79.1
Residential building only.....	61,681	4,541	23.0	7.4	226,326	53.5	Building.....	88,023	5,611	100.0	6.4	348,235	75.9
Paints, varnishes, glass						Manufacturing building only							
All classes.....	868,714	62,596	100.0	7.2	3,128,030	71.8	Building.....	58,475	3,850	68.6	6.6	228,551	74.5
General contractors ²	4 522,869	6,980	11.2	1.3	2,232,147	60.4	Manufacturing building only.....	13,179	1,761	31.4	13.4	46,021	77.8
Building.....	442,482	6,980	11.2	1.6	1,932,336	59.2	See footnotes at end of table.						
Building not specialized ²	322,701	5,028	8.0	1.6	1,431,010	58.5							
Residential building only.....	61,681	1,952	3.1	3.2	226,326	53.5							
Subcontractors						Roofing and sheet metal							
All classes.....	\$ 345,845	55,615	88.8	16.1	\$ 895,883	94.3	All classes.....	\$ 868,714	64,162	100.0	7.4	\$ 3,128,030	71.8
Painting and decorating.....	22,264	22,264	55.6	100.0	138,560	99.3	General contractors.....	4 367,427	1,024	1.6	.3	1,570,951	67.9
Glass and glazing.....	37,107	33,351	53.3	89.9	64,846	100.0	Building.....	4 287,040	1,024	1.6	.4	1,271,140	67.3
Brick (face, common, fire, paving, etc.)						Manufacturing building only							
All classes.....	\$ 312,646	5,611	100.0	1.8	\$ 927,437	88.6	Building.....	4 61,681	1,024	1.6	1.7	226,326	53.5
General contractors.....	126,955	5,611	100.0	4.4	448,642	79.1							
Building.....	88,023	5,611	100.0	6.4	348,235	75.9							
Building not specialized.....	58,475	3,850	68.6	6.6	228,551	74.5							
Manufacturing building only.....	13,179	1,761	31.4	13.4	46,021	77.8							

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—						Cost of all distributed materials	Cost of all materials distributed by kind	Per cent of—				Cost of all distributed materials	
		Amount	Total cost	Cost of all distributed materials						Amount	Total cost				Cost of all distributed materials
NEW BEDFORD—Contd.						SO MERVILLE									
<i>Structural steel</i>						<i>Sand, gravel, stone, slag, cinders, etc.</i>									
All classes.....	\$ 312,646	\$5,067	100.0	1.0	\$ 927,437	88.6	All classes.....	\$550,123	\$37,872	100.0	6.9	\$1,863,408	77.6		
General contractors.....	4 120,955	5,087	100.0	4.0	5 446,642	79.1	General contractors ²	287,986	35,872	94.7	12.5	1,141,095	59.4		
Building.....	88,023	5,067	100.0	5.8	348,235	75.9	Building.....	4 193,624	5,620	14.9	2.9	5 836,537	51.1		
Building not specialized.....	58,475	200	3.0	.3	223,551	74.5	Building not specialized ²	169,138	5,620	14.9	3.3	578,347	67.1		
Manufacturing building only.....	13,179	4,701	92.8	35.7	45,021	77.8	Street paving.....	20,782	8,246	21.8	30.8	63,058	100.0		
Residential building only.....	16,369	166	3.3	1.0	79,663	83.8	Central station, light and power plant.....	67,580	22,000	58.1	32.6	241,500	69.0		
<i>Lumber, rough and finished</i>						<i>Subcontractors.....</i>									
All classes.....	\$ 312,646	54,328	100.0	17.4	\$ 927,437	88.6	Roofing and sheet metal work.....	4 95,807	2,000	5.3	2.1	5 269,846	100.0		
General contractors.....	4 126,955	54,328	100.0	42.8	5 446,642	79.1	Roofing and sheet metal combined.....	21,542	2,000	5.3	9.3	54,901	100.0		
Building.....	88,023	54,328	100.0	61.7	348,235	75.9	<i>Brick (face common, fire paving, etc.)</i>								
Building not specialized.....	58,475	39,250	72.2	67.1	223,551	74.5	All classes.....	\$ 550,123	15,270	100.0	2.8	\$ 1,863,408	77.6		
Manufacturing building only.....	13,179	3,433	6.3	26.0	45,021	77.8	General contractors ²	4 287,986	15,270	100.0	5.3	5 1,141,095	59.4		
Residential building only.....	16,369	11,645	21.4	71.1	79,663	83.8	Building.....	4 193,624	14,190	92.9	7.3	5 836,537	51.1		
<i>Paints, varnishes, glass¹³</i>						<i>Cut stone, granite and marble</i>									
All classes.....	312,646	63,916	100.0	20.4	927,437	88.6	All classes.....	\$ 550,123	22,255	100.0	4.0	\$ 1,863,408	77.6		
General contractors.....	4 120,955	984	1.5	.8	5 446,642	79.1	General contractors ²	4 287,986	22,255	100.0	7.7	5 1,141,095	59.4		
Building.....	88,023	984	1.5	1.1	348,235	75.9	Building.....	4 193,624	7,725	84.7	4.0	5 836,537	51.1		
Building not specialized.....	58,475	200	.3	.3	223,551	74.5	Building not specialized ²	169,138	7,725	84.7	4.6	578,347	67.1		
Manufacturing building only.....	13,179	350	.5	2.7	45,021	77.8	Central station, light and power plant.....	67,580	1,080	7.1	1.6	241,500	69.0		
Residential building only.....	16,369	434	.7	2.7	79,663	83.8	<i>Cement</i>								
Subcontractors.....	4 185,691	62,932	98.5	33.9	5 480,795	99.5	All classes.....	\$ 550,123	30,667	100.0	5.6	\$ 1,863,408	77.6		
Painting and decorating.....	42,932	42,932	67.2	100.0	161,104	100.0	General contractors ²	4 287,986	22,255	100.0	7.7	5 1,141,095	59.4		
Glass and glazing.....	20,000	20,000	31.3	100.0	31,500	100.0	Building.....	4 193,624	7,725	84.7	4.0	5 836,537	51.1		
<i>Roofing and sheet metal</i>						<i>Structural steel</i>									
All classes.....	312,646	10,437	100.0	3.3	927,437	88.6	All classes.....	550,123	26,038	100.0	4.7	1,863,408	77.6		
General contractors.....	4 120,955	2,437	23.3	1.0	5 446,642	79.1	General contractors ²	287,986	30,007	100.0	10.6	1,141,095	59.4		
Building.....	88,023	2,437	23.3	2.8	348,235	75.9	Building.....	4 193,624	5,161	16.8	2.7	5 836,537	51.1		
Building not specialized.....	58,475	1,200	11.5	2.1	223,551	74.5	Building not specialized ²	169,138	5,161	16.8	3.1	578,347	67.1		
Residential building only.....	16,369	1,237	11.9	7.6	79,663	83.8	Street paving.....	20,782	4,006	13.1	15.0	63,058	100.0		
Subcontractors.....	4 185,691	8,000	76.7	4.3	5 480,795	99.5	Central station, light and power plant.....	67,580	21,500	70.1	31.8	241,500	69.0		
Roofing and sheet metal work.....	8,000	8,000	76.7	100.0	26,946	88.9	<i>Reinforcing steel</i>								
Roofing.....	8,000	8,000	76.7	100.0	26,946	88.9	All classes.....	6 550,123	13,900	100.0	2.5	7 1,863,408	77.6		
<i>Heating and ventilating equipment</i>						<i>Structural steel</i>									
All classes.....	10 312,646	20,000	100.0	6.4	11 927,437	88.6	All classes.....	550,123	26,038	100.0	4.7	1,863,408	77.6		
Subcontractors.....	4 185,691	20,000	100.0	10.8	5 480,795	99.5	General contractors ²	4 287,986	4,478	17.2	1.0	5 1,141,095	59.4		
Heating and plumbing.....	32,292	20,000	100.0	62.2	68,227	100.0	Building.....	4 193,624	4,478	17.2	2.3	5 836,537	51.1		
Heating and piping.....	12,528	12,528	62.4	100.0	26,227	100.0	Building not specialized ²	169,138	4,478	17.2	2.6	578,347	67.1		
Plumbing.....	19,764	7,562	37.0	38.3	42,000	100.0	Street paving.....	20,782	4,006	13.1	15.0	63,058	100.0		
<i>Plumbing and gas fitting equipment</i>						<i>Central station, light and power plant.....</i>									
All classes.....	10 312,646	12,202	100.0	3.9	11 927,437	88.6	67,580	21,500	70.1	31.8	241,500	69.0			
Subcontractors.....	4 185,691	12,202	100.0	6.6	5 480,795	99.5	<i>Reinforcing steel</i>								
Heating and plumbing.....	4 32,292	12,202	100.0	37.8	5 68,227	100.0	All classes.....	6 550,123	13,900	100.0	2.5	7 1,863,408	77.6		
Plumbing.....	19,764	12,202	100.0	61.7	42,000	100.0	General contractors.....	4 167,009	13,900	100.0	8.3	5 723,448	58.5		
<i>Electrical appliances and supplies¹³</i>						<i>Metal doors, windows, and trim</i>									
All classes.....	312,646	82,867	100.0	26.5	927,437	88.6	All classes.....	\$ 550,123	7,803	100.0	1.4	\$ 1,863,408	77.6		
General contractors.....	4 126,955	400	.6	.3	5 446,642	79.1	General contractors ²	4 287,986	7,803	100.0	2.7	5 1,141,095	59.4		
Building.....	88,023	400	.5	.5	348,235	75.9	Building.....	4 193,624	7,803	100.0	4.0	5 836,537	51.1		
Building not specialized.....	58,475	400	.5	.7	223,551	74.5	Building not specialized ²	169,138	7,803	100.0	4.6	578,347	67.1		
Subcontractors.....	4 185,691	82,467	99.5	44.4	5 480,795	99.5	<i>Central station, light and power plant.....</i>								
Electrical.....	82,467	82,467	99.5	100.0	192,928	100.0	67,580	13,500	97.1	20.0	241,500	69.0			

See footnotes at end of table.

CONSTRUCTION—MASSACHUSETTS

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						Total cost	Cost of all distributed materials		
SOMERVILLE—Continued						SPRINGFIELD							
<i>Lumber, rough and finished</i>						<i>Brick (face, common, fire, paving, etc.)</i>							
All classes.....	\$550,123	\$86,938	100.0	17.6	\$1,863,408	77.6	All classes.....	\$1,735,249	\$166,136	100.0	9.6	\$5,040,456	61.9
General contractors ²	\$287,986	93,096	96.0	32.3	\$1,141,095	59.4	General contractors.....	\$579,277	99,853	59.8	17.2	\$2,442,443	57.5
Building.....	193,624	86,096	88.8	44.5	836,537	51.1	Building.....	525,144	98,789	59.5	18.8	1,918,147	56.6
Building not specialized ²	160,138	61,610	63.6	36.4	578,347	67.1	Building not specialized.....	485,597	94,561	56.9	19.5	1,797,245	56.4
Residential building only.....	24,488	24,488	25.3	100.0	268,190	15.1	Residential building only.....	39,547	4,222	2.5	10.7	120,902	74.6
Central station, light and power plant.....	67,580	7,000	7.2	10.4	241,500	69.0	Bridge and culvert.....	24,643	570	.3	2.3	51,600	100.0
Subcontractors.....	\$262,137	3,842	4.0	1.5	\$722,313	99.7	Subcontractors.....	\$1,143,017	66,783	40.2	5.8	\$2,521,513	96.4
Roofing and sheet metal work.....	\$95,807	3,842	4.0	4.0	\$269,846	100.0	Masonry.....	118,165	66,783	40.2	56.5	364,697	80.8
Roofing.....	74,265	3,842	4.0	5.2	214,942	100.0	<i>Cement</i>						
<i>Millwork</i>						<i>All classes.....</i>							
All classes.....	\$550,123	24,027	100.0	4.4	\$1,863,408	77.6	All classes.....	\$1,735,249	93,474	100.0	5.4	\$5,040,456	61.9
General contractors ²	\$287,986	24,027	100.0	8.3	\$1,141,095	59.4	General contractors.....	\$579,277	56,693	60.7	9.8	\$2,442,443	57.5
Building.....	193,624	24,027	100.0	12.4	836,537	51.1	Building.....	525,144	52,099	56.4	10.0	1,918,147	56.6
Building not specialized ²	169,138	24,027	100.0	14.2	578,347	67.1	Building not specialized.....	485,597	52,079	55.7	10.7	1,797,245	56.4
<i>Hardware, rough and finished</i>						<i>Residential building only.....</i>							
All classes.....	\$550,123	9,825	100.0	1.8	\$1,863,408	77.6	Residential building only.....	39,547	620	.7	1.6	120,902	74.6
General contractors ²	\$287,986	9,825	100.0	3.4	\$1,141,095	59.4	Bridge and culvert.....	24,643	2,720	2.9	11.1	51,600	100.0
Building.....	193,624	9,825	100.0	5.1	836,537	51.1	Grading.....	4,690	1,265	1.4	27.0	54,000	100.0
Building not specialized ²	169,138	9,825	100.0	5.8	578,347	67.1	<i>Structural steel</i>						
<i>Paints, varnishes, glass</i>						<i>All classes.....</i>							
All classes.....	550,123	40,558	100.0	7.4	1,863,408	77.0	All classes.....	\$1,735,249	72,373	100.0	4.2	\$5,040,456	61.9
General contractors ²	\$287,986	1,600	3.9	.6	\$1,141,095	59.4	General contractors.....	\$579,277	70,836	97.0	12.2	\$2,442,443	57.5
Building.....	193,624	1,600	3.9	.8	836,537	51.1	Building.....	525,144	57,336	79.2	10.9	1,918,147	56.6
Building not specialized ²	169,138	1,600	3.9	.9	578,347	67.1	Building not specialized.....	485,597	56,861	78.6	11.7	1,797,245	56.4
Subcontractors.....	\$262,137	38,958	96.1	14.9	\$722,313	99.7	Residential building only.....	39,547	475	.7	1.2	120,902	74.6
Painting and decorating.....	37,846	37,846	93.3	100.0	187,395	100.0	Bridge and culvert.....	24,643	9,900	13.7	4.2	51,600	100.0
Roofing and sheet metal work.....	\$95,807	1,112	2.7	1.2	\$269,846	100.0	Central station, light and power plant.....	24,800	3,600	5.0	14.5	418,696	100.0
Roofing.....	74,265	1,112	2.7	1.5	214,942	100.0	Subcontractors.....	\$1,143,017	1,537	2.1	.1	\$2,521,513	96.4
<i>Roofing and sheet metal¹³</i>						<i>Masonry.....</i>							
All classes.....	550,123	92,450	100.0	16.8	1,863,408	77.6	Masonry.....	118,165	1,537	2.1	1.3	364,697	80.8
General contractors ²	\$287,986	2,608	2.8	.9	\$1,141,095	59.4	<i>Lumber, rough and finished</i>						
Building.....	193,624	2,108	2.3	1.1	836,537	51.1	All classes.....	1,735,249	152,262	100.0	8.8	\$5,040,456	61.9
Building not specialized ²	169,138	2,108	2.8	1.2	578,347	67.1	General contractors ²	\$592,232	151,140	99.3	25.5	\$2,513,943	57.5
Central station, light and power plant.....	67,580	500	.5	.7	241,500	69.0	Building.....	538,009	138,836	91.2	25.8	1,994,647	56.6
Subcontractors.....	\$262,137	89,853	97.2	34.3	\$722,313	99.7	Building not specialized ²	498,562	110,000	78.5	24.0	1,373,745	56.5
Heating and plumbing.....	\$106,929	1,000	1.1	.9	\$200,678	98.3	Residential building only.....	39,547	19,236	12.6	45.6	120,902	74.6
Plumbing.....	94,979	1,000	1.1	1.1	168,403	100.0	Bridge and culvert.....	24,643	4,504	3.0	18.3	51,600	100.0
Roofing and sheet metal work.....	95,807	88,853	96.1	92.7	269,846	100.0	Central station, light and power plant.....	24,800	7,800	5.1	31.6	418,696	100.0
Roofing.....	74,265	69,311	75.0	93.3	214,942	100.0	Subcontractors.....	\$1,143,017	1,122	.7	.1	\$2,521,513	96.4
Roofing and sheet metal combined.....	21,542	19,542	21.1	90.7	54,904	100.0	Masonry.....	118,165	1,122	.7	.9	364,697	80.8
<i>Heating and ventilating equipment</i>						<i>Roofing and sheet metal</i>							
All classes.....	\$550,123	33,118	100.0	6.0	\$1,863,408	77.6	All classes.....	\$1,735,249	89,870	100.0	5.2	\$5,040,456	61.9
Subcontractors.....	\$262,137	33,118	100.0	12.6	\$722,313	99.7	General contractors.....	\$579,277	8,417	9.4	1.5	\$2,442,443	57.5
Heating and plumbing.....	106,929	33,118	100.0	31.0	\$200,678	98.3	Building.....	525,144	7,729	8.6	1.5	1,918,147	56.6
Heating and piping.....	11,950	11,950	36.1	100.0	32,275	93.8	Building not specialized.....	485,597	6,044	7.4	1.4	1,797,245	56.4
Plumbing.....	94,979	21,168	63.9	22.3	168,403	100.0	Residential building only.....	39,547	1,035	1.2	2.7	120,902	74.6
<i>Plumbing and gas-fitting equipment</i>						<i>Bridge and culvert.....</i>							
All classes.....	550,123	74,201	100.0	13.5	1,863,408	77.6	Bridge and culvert.....	24,643	688	.8	2.8	51,600	100.0
General contractors ²	\$287,986	1,390	1.9	.5	\$1,141,095	59.4	Subcontractors.....	\$1,143,017	81,453	90.6	7.1	\$2,521,513	96.4
Building.....	193,624	1,390	1.9	.7	836,537	51.1	Heating and plumbing.....	\$593,134	3,000	3.3	.5	\$981,080	99.6
Building not specialized ²	169,138	1,390	1.9	.8	578,347	67.1	Heating and piping.....	376,080	3,000	3.3	.8	628,089	100.0
Subcontractors.....	\$262,137	72,811	98.1	27.8	\$722,313	99.7	Masonry.....	118,165	297	.3	.3	364,697	80.8
Heating and plumbing.....	106,929	72,811	98.1	68.1	\$200,678	99.3	Roofing and sheet metal work.....	81,819	78,156	87.0	95.5	230,381	95.1
Plumbing.....	94,979	72,811	98.1	76.7	168,403	100.0	Roofing.....	55,792	54,089	60.2	97.0	151,592	92.5
						<i>Sheet metal work.....</i>							
						14,000							
						12,000							
						13.4							
						100.0							
						38,489							
						100.0							
						<i>Heating and ventilating equipment¹³</i>							
						All classes.....							
						\$1,735,249							
						332,682							
						100.0							
						19.2							
						\$5,040,456							
						61.9							
						General contractors.....							
						\$579,277							
						24,043							
						70							
						70							
						9.4							
						8.6							
						7.4							
						1.2							
						.8							
						2.8							
						2.7							
						7.1							
						3.3							
						3.3							
						.3							
						29.1							
						55.7							
						78.1							
						17.0							
						2.4							
						.6							
						14.3							
						230,381							
						40,300							
						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	Per cent of—			Value of construction business				Cost of all materials distributed by kind	Per cent of—			Value of construction business			Indicated per cent of all business done by own force ¹
		Amount	Total cost	Cost of all distributed materials						Amount	Total cost	Cost of all distributed materials				
SPRINGFIELD—Continued							WORCESTER—Continued									
Plumbing and gas-fitting equipment							Structural steel¹²									
All classes.....	\$1,735,240	\$204,288	100.0	11.8	\$5,040,456	61.9	All classes.....	\$4,259,681	\$903,774	100.0	21.2	\$11,870,298	76.2			
General contractors.....	\$ 579,277	5,760	2.8	1.0	\$ 2,442,443	57.5	General contractors.....	\$ 3,150,558	489,326	54.1	15.5	\$ 9,326,632	70.5			
Building.....	\$ 525,144	5,720	2.8	1.1	\$ 1,918,147	56.0	Building.....	\$ 3,097,953	489,326	54.1	15.8	\$ 9,163,065	69.5			
Building not specialized.....	485,597	5,720	2.8	1.2	1,797,245	55.4	Building not specialized.....	3,025,187	488,207	54.0	16.1	\$ 8,898,691	69.3			
Bridge and culvert.....	24,643	40	(?)	.2	61,600	100.0	Commercial building only.....	16,905	452	.1	2.7	99,735	84.0			
Subcontractors.....	\$ 1,143,017	198,528	97.2	17.4	\$ 2,521,513	96.4	Residential building only.....	55,861	607	.1	1.2	164,639	71.5			
Heating and plumbing.....	593,134	198,528	97.2	33.5	981,080	99.6	Subcontractors.....	\$ 1,109,123	414,448	45.9	37.4	\$ 2,543,666	98.1			
Heating and piping.....	376,080	25,000	12.2	6.6	628,089	100.0	Steel erection.....	474,357	414,448	45.9	87.4	870,309	98.0			
Plumbing.....	217,054	173,528	84.9	79.9	352,901	98.8	Reinforcing steel									
Electrical appliances and supplies¹³							All classes.....									
All classes.....	\$ 1,735,240	297,006	100.0	17.1	\$ 5,040,456	61.9	All classes.....	\$ 4,259,681	65,091	100.0	1.6	\$ 11,870,298	76.2			
General contractors.....	\$ 579,277	7,905	2.7	1.4	\$ 2,442,443	57.5	General contractors.....	\$ 3,150,558	65,091	100.0	2.1	\$ 9,326,632	70.5			
Building.....	\$ 525,144	7,905	2.7	1.5	\$ 1,918,147	56.0	Building.....	\$ 3,097,953	65,091	100.0	2.1	\$ 9,163,065	69.5			
Building not specialized.....	485,597	7,905	2.7	1.6	1,797,245	56.4	Building not specialized.....	3,025,187	65,091	100.0	2.2	\$ 8,898,691	69.3			
Subcontractors.....	\$ 1,143,017	289,101	97.3	25.3	\$ 2,521,513	96.4	Metal doors, windows, and trim									
Electrical.....	207,990	280,047	97.3	97.0	712,440	100.0	All classes.....	\$ 4,259,681	157,469	100.0	3.7	\$ 11,870,298	76.2			
Masonry.....	118,165	54	(?)	(?)	304,697	80.8	General contractors.....	\$ 3,150,558	157,469	100.0	5.0	\$ 9,326,632	70.5			
WORCESTER							Sand, gravel, stone, slag, cinders, etc.									
All classes.....	4,259,681	287,000	100.0	6.7	11,870,298	76.2	All classes.....	4,259,681	287,000	100.0	6.7	11,870,298	76.2			
General contractors.....	3,150,558	277,055	98.5	8.8	9,326,632	70.5	General contractors.....	3,150,558	277,055	98.5	8.8	9,326,632	70.5			
Building.....	3,097,953	246,850	86.0	8.0	9,163,065	69.5	Building.....	3,097,953	246,850	86.0	8.0	9,163,065	69.5			
Building not specialized.....	3,025,187	246,294	85.5	8.1	8,898,691	69.3	Building not specialized.....	3,025,187	246,294	85.5	8.1	8,898,691	69.3			
Commercial building only.....	16,905	960	.3	5.7	99,735	84.0	Commercial building only.....	16,905	960	.3	5.7	99,735	84.0			
Residential building only.....	55,861	596	.2	1.1	164,639	71.5	Residential building only.....	55,861	596	.2	1.1	164,639	71.5			
Highway.....	41,885	29,705	10.4	70.9	120,009	84.2	Highway.....	41,885	29,705	10.4	70.9	120,009	84.2			
Sewer, gas, water, conduit.....	10,720	500	.2	4.7	43,568	100.0	Sewer, gas, water, conduit.....	10,720	500	.2	4.7	43,568	100.0			
Subcontractors.....	\$ 1,109,123	9,045	3.5	.9	\$ 2,543,666	98.1	Subcontractors.....	\$ 1,109,123	9,045	3.5	.9	\$ 2,543,666	98.1			
Masonry.....	21,626	1,800	.6	8.3	55,882	100.0	Masonry.....	21,626	1,800	.6	8.3	55,882	100.0			
Plastering and lathing.....	9,659	1,200	.4	12.4	85,911	72.1	Plastering and lathing.....	9,659	1,200	.4	12.4	85,911	72.1			
Roofing and sheet metal work.....	\$ 172,363	2,099	.7	1.2	\$ 488,404	99.4	Roofing and sheet metal work.....	\$ 172,363	2,099	.7	1.2	\$ 488,404	99.4			
Roofing.....	82,348	2,099	.7	2.5	205,897	100.0	Roofing.....	82,348	2,099	.7	2.5	205,897	100.0			
Marble and tiling.....	35,040	1,347	.5	3.8	77,523	100.0	Marble and tiling.....	35,040	1,347	.5	3.8	77,523	100.0			
Excavating.....	4,841	3,499	1.2	72.3	50,788	100.0	Excavating.....	4,841	3,499	1.2	72.3	50,788	100.0			
Brick (face, common, fire, paving, etc.)							Lumber, rough and finished									
All classes.....	4,259,681	325,053	100.0	7.6	11,870,298	76.2	All classes.....	4,259,681	707,184	100.0	16.6	11,870,298	76.2			
General contractors.....	\$ 3,150,558	318,303	97.9	10.1	\$ 9,326,632	70.5	General contractors.....	\$ 3,150,558	706,600	99.9	22.4	\$ 9,326,632	70.5			
Building.....	\$ 3,097,953	317,303	97.6	10.2	\$ 9,163,065	69.5	Building.....	\$ 3,097,953	706,400	99.9	22.8	\$ 9,163,065	69.5			
Building not specialized.....	3,025,187	315,279	97.0	10.4	8,898,691	69.3	Building not specialized.....	3,025,187	677,062	95.7	22.4	\$ 8,898,691	69.3			
Commercial building only.....	16,905	372	.1	2.2	99,735	84.0	Commercial building only.....	16,905	9,122	1.3	54.0	99,735	84.0			
Residential building only.....	55,861	1,652	.5	3.0	164,639	71.5	Residential building only.....	55,861	20,216	2.9	36.2	164,639	71.5			
Sewer, gas, water, conduit.....	10,720	1,000	.3	9.3	43,568	100.0	Sewer, gas, water, conduit.....	10,720	200	(?)	1.9	43,558	100.0			
Subcontractors.....	\$ 1,109,123	6,750	2.1	.6	\$ 2,543,666	98.1	Subcontractors.....	\$ 1,109,123	584	.1	.1	\$ 2,543,666	98.1			
Masonry.....	21,626	6,750	2.1	31.2	55,882	100.0	Masonry.....	21,626	584	.1	2.7	55,882	100.0			
Cut stone, granite, and marble							Millwork									
All classes.....	4,259,681	73,347	100.0	1.7	11,870,298	76.2	All classes.....	\$ 4,259,681	203,823	100.0	4.8	\$ 11,870,298	76.2			
General contractors.....	\$ 3,150,558	67,345	91.8	2.1	\$ 9,326,632	70.5	General contractors.....	\$ 3,150,558	203,823	100.0	6.5	\$ 9,326,632	70.5			
Building.....	\$ 3,097,953	67,345	91.8	2.2	\$ 9,163,065	69.5	Building.....	\$ 3,097,953	203,823	100.0	6.6	\$ 9,163,065	69.5			
Building not specialized.....	3,025,187	67,345	91.8	2.2	8,898,691	69.3	Building not specialized.....	3,025,187	186,015	91.3	6.1	\$ 8,898,691	69.3			
Commercial building only.....	16,905	6,002	8.2	.5	\$ 2,543,666	98.1	Commercial building only.....	16,905	2,156	1.1	12.8	99,735	84.0			
Residential building only.....	55,861	6,002	8.2	17.1	77,523	100.0	Residential building only.....	55,861	15,652	7.7	28.0	164,639	71.5			
Subcontractors.....	\$ 1,109,123	6,002	8.2	17.1	77,523	100.0	Hardware, rough and finished									
Marble and tiling.....	35,040	6,002	8.2	17.1	77,523	100.0	All classes.....	4,259,681	75,790	100.0	1.8	11,870,298	76.2			
Cement							All classes.....									
All classes.....	4,259,681	277,097	100.0	6.5	11,870,298	76.2	All classes.....	4,259,681	75,790	100.0	1.8	11,870,298	76.2			
General contractors.....	\$ 3,150,558	271,579	98.0	8.6	\$ 9,326,632	70.5	General contractors.....	\$ 3,150,558	75,460	99.6	2.4	\$ 9,326,632	70.5			
Building.....	\$ 3,097,953	270,327	97.6	8.7	\$ 9,163,065	69.5	Building.....	\$ 3,097,953	75,460	99.6	2.4	\$ 9,163,065	69.5			
Building not specialized.....	3,025,187	269,202	97.2	8.9	8,898,691	69.3	Building not specialized.....	3,025,187	70,172	92.6	2.3	\$ 8,898,691	69.3			
Commercial building only.....	16,905	950	.3	5.0	99,735	84.0	Commercial building only.....	16,905	1,354	1.8	8.0	99,735	84.0			
Residential building only.....	55,861	115	(?)	.2	164,639	71.5	Residential building only.....	55,861	3,940	5.2	7.1	164,639	71.5			
Highway.....	41,885	252	.1	.6	120,009	84.2	Subcontractors.....	\$ 1,109,123	330	.4	(?)	\$ 2,543,666	98.1			
Sewer, gas, water, conduit.....	10,720	1,000	.4	9.3	43,568	100.0	Masonry.....	21,626	330	.4	1.5	55,882	100.0			
Subcontractors.....	\$ 1,109,123	5,518	2.0	.5	\$ 2,543,666	98.1										
Masonry.....	21,626	1,920	.7	8.9	55,882	100.0										
Plastering and lathing.....	9,659	1,198	.4	12.4	85,911	72.1										
Marble and tiling.....	35,040	2,400	.9	6.8	77,523	100.0										

See footnotes at end of table.

CONSTRUCTION—MASSACHUSETTS

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
			Total cost	Cost of all distributed materials								Total cost	Cost of all distributed materials				
WORCESTER—Continued							WORCESTER—Continued										
<i>Paints, varnishes, glass</i>							<i>Heating and ventilating equipment</i>										
All classes.....	\$4,250,681	\$104,050	100.0	3.9	\$11,870,298	76.2	All classes.....	\$4,250,681	\$140,658	100.0	3.5	\$11,870,298	76.2				
General contractors.....	\$3,150,558	\$7,722	59.0	3.1	\$9,320,632	70.5	General contractors.....	\$3,150,558	\$9,171	46.2	2.2	\$9,320,632	70.5				
Building.....	\$3,097,953	\$7,722	59.0	3.2	\$9,163,065	69.5	Building.....	\$3,097,953	\$9,171	46.2	2.2	\$9,163,065	69.5				
Building not specialized..	\$3,025,187	\$0,073	58.0	3.2	\$8,898,691	69.3	Building not specialized..	\$3,025,187	\$0,073	46.2	2.3	\$8,898,691	69.3				
Residential building only..	\$56,861	\$1,649	1.0	3.0	\$104,639	71.5	Subcontractors.....	\$1,109,123	\$80,487	53.8	7.3	\$2,543,666	98.1				
Subcontractors.....	\$1,109,123	\$0,834	40.4	6.0	\$2,543,666	98.1	Heating and plumbing.....	\$146,788	\$78,487	52.4	53.5	\$306,594	97.7				
Painting and decorating....	\$30,559	\$0,559	18.0	100.0	\$158,402	100.0	Heating and piping.....	\$92,247	\$70,487	47.1	76.4	\$201,731	97.0				
Glass and glazing.....	\$36,435	\$5,435	21.0	100.0	\$60,512	100.0	Plumbing.....	\$54,541	\$8,000	5.3	14.7	\$104,863	99.0				
Roofing and sheet metal work.....	\$172,363	\$340	.2	.2	\$488,404	99.4	Roofing and sheet metal work.....	\$172,363	\$2,000	1.3	1.2	\$488,404	99.4				
Roofing and sheet metal combined.....	\$38,724	\$340	.2	.9	\$102,483	97.1	Sheet metal work.....	\$51,291	\$2,000	1.3	3.9	\$180,024	100.0				
<i>Roofing and sheet metal</i>							<i>Plumbing and gas-fitting equipment</i>										
All classes.....	\$4,250,681	\$217,206	100.0	5.1	\$11,870,298	76.2	All classes.....	\$4,250,681	\$79,356	100.0	1.9	\$11,870,298	76.2				
General contractors.....	\$3,150,558	\$8,262	17.0	1.2	\$9,320,632	70.5	General contractors.....	\$3,150,558	\$22,475	28.3	.7	\$9,320,632	70.5				
Building.....	\$3,097,953	\$8,262	17.0	1.2	\$9,163,065	69.5	Building.....	\$3,097,953	\$22,475	28.3	.7	\$9,163,065	69.5				
Building not specialized..	\$3,025,187	\$6,639	16.9	1.2	\$8,898,691	69.3	Building not specialized..	\$3,025,187	\$22,475	28.3	.7	\$8,898,691	69.3				
Commercial building only.....	\$16,905	\$238	.1	1.4	\$90,735	84.0	Subcontractors.....	\$1,109,123	\$56,881	71.7	5.1	\$2,543,666	98.1				
Residential building only..	\$56,861	\$1,885	.0	2.5	\$164,639	71.5	Heating and plumbing.....	\$146,788	\$56,881	71.7	38.8	\$306,594	97.7				
Subcontractors.....	\$1,109,123	\$178,944	82.4	16.1	\$2,543,666	98.1	Heating and piping.....	\$92,247	\$10,340	13.0	11.2	\$201,731	97.0				
Heating and plumbing.....	\$146,788	\$11,420	5.3	7.8	\$300,594	97.7	Plumbing.....	\$54,541	\$46,541	58.6	85.3	\$104,863	99.0				
Heating and piping.....	\$92,247	\$11,420	5.3	12.4	\$201,731	97.0	<i>Electrical appliances and supplies</i>										
Roofing and sheet metal work.....	\$172,363	\$167,524	77.1	97.2	\$488,404	99.4	All classes.....	\$4,250,681	\$188,066	100.0	4.4	\$11,870,298	76.2				
Roofing.....	\$32,348	\$80,249	30.9	97.5	\$205,897	100.0	General contractors.....	\$3,150,558	\$9,641	5.1	.3	\$9,320,632	70.5				
Sheet metal work.....	\$51,291	\$49,201	22.7	96.1	\$180,024	100.0	Building.....	\$3,097,953	\$9,641	5.1	.3	\$9,163,065	69.5				
Roofing and sheet metal combined.....	\$38,724	\$37,984	17.5	98.1	\$102,483	97.1	Building not specialized..	\$3,025,187	\$9,641	5.1	.3	\$8,898,691	69.3				
							Subcontractors.....	\$1,109,123	\$178,455	94.9	16.1	\$2,543,666	98.1				
							Electrical.....	\$178,455	\$178,455	94.9	100.0	\$389,281	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 Less than one-tenth of 1 per cent.
⁴ Includes cost of materials reported by establishments which did not include designated material in their distributed lists.
⁵ Includes construction work reported by establishments which did not include the designated material in their distributed lists.
⁶ Includes cost of material 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 Includes cost of materials reported by general contracting establishments which did not include the designated material in their distributed lists.
¹¹ Includes construction work reported by general contracting establishments which did not include the designated material in their distributed lists.
¹² See footnote 5 of Table 9 on p. 579.
¹³ See footnote 6 of Table 9 on p. 579.

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. 598, the third section on p. 601]

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											
MASSACHUSETTS	\$68,448,089	\$66,181,166	74.8	\$5,408,251	\$2,916,237	\$351,622	\$1,272,508	\$404,381	\$1,883,570	\$245,427	\$4,344,897	\$337,519	\$433,443	\$4,557,580
Operative builders	920,217	777,422	84.5	15,563	37,863	1,920	7,240	22,008	6,670	6,492	16,860	8,361	1,279	10,621
General contractors	52,658,887	38,761,090	73.6	5,194,276	2,593,036	341,042	309,061	415,334	1,462,565	233,138	4,059,500	267,047	246,460	3,680,863
Building	32,712,735	19,707,215	60.2	1,598,000	2,248,810	322,773	306,710	186,863	406,911	53,651	2,057,878	233,883	243,190	1,669,092
Building not specialized	29,805,395	17,259,994	58.9	1,479,132	2,000,970	304,038	290,635	162,264	447,004	58,051	1,919,212	221,455	214,071	1,560,348
Commercial building only	885,249	818,887	92.5	68,790	70,840	9,801	3,974	8,248	5,440	-----	76,448	4,680	5,612	59,641
Manufacturing building only	203,584	168,684	82.8	168,684	24,704	1,410	-----	2,100	-----	-----	28,604	1,435	-----	17,436
Residential building only	2,318,507	1,459,780	63.0	24,895	53,302	7,524	12,101	13,751	14,461	600	33,554	5,893	22,607	41,667
Highway	3,414,567	3,113,947	91.2	1,443,995	15,590	-----	-----	68,107	53,680	17,617	371,617	774	-----	127,584
Bridge and culvert	1,651,194	1,682,408	95.8	202,538	3,653	-----	70	1,100	115,433	102,670	123,241	250	300	781,897
Grading	325,829	302,662	92.9	151,508	12,028	120	615	412	12,239	8,441	24,119	1,012	120	-----
Street paving	1,479,725	1,304,840	88.2	442,542	14,897	1,399	-----	7,840	20,260	-----	202,963	1,620	-----	6,632
Sewer, gas, water, conduit	422,980	224,171	53.0	40,144	32,019	-----	-----	40	-----	-----	45,803	-----	-----	2,000
Dam and reservoir	224,251	210,253	97.8	80,638	3,716	-----	-----	-----	-----	-----	41,930	23,012	-----	-----
Waterworks	100,685	33,350	33.1	840	400	-----	-----	-----	-----	-----	1,500	-----	-----	300
Dredging, river, harbor, etc.	805,326	805,326	100.0	15,344	2,754	3,250	260	-----	48,652	20,586	8,539	300	-----	15,112
Railroad	125,712	125,712	100.0	612	1,428	-----	-----	112,752	-----	-----	-----	-----	-----	-----
Foundation	78,540	32,863	41.8	21,100	-----	-----	-----	1,000	400	-----	4,378	-----	-----	1,286
Central station, light and power plant	11,271,177	11,271,177	100.0	1,168,082	257,755	13,500	1,400	37,100	745,000	21,173	1,160,847	5,700	2,850	1,026,950
Air transport work	18,373	18,373	100.0	-----	880	-----	-----	-----	-----	-----	7,676	87	-----	-----
Telephone line and system	27,793	19,793	71.2	10,500	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Subcontractors	34,868,985	26,642,654	76.4	109,412	283,438	8,651	956,205	27,039	414,326	5,797	268,037	62,111	185,704	916,106
Carpentering and wood flooring	250,504	116,344	44.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Concreting	316,695	255,794	80.8	58,209	10,134	-----	1,770	1,008	3,063	429	82,401	2,167	500	11,080
Electrical	4,207,316	4,104,164	97.5	1,086	1,173	-----	-----	-----	-----	-----	2,540	-----	75	15,250
Elevator construction	2,317,015	2,317,015	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Heating and plumbing	15,713,670	11,590,367	73.8	125	-----	-----	-----	-----	-----	-----	275	-----	5	537
Heating and piping	7,019,679	6,037,095	86.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	500
Plumbing	5,374,883	4,239,676	78.9	125	-----	-----	-----	-----	-----	-----	260	-----	5	25
Plumbing and heating combined	3,152,231	1,146,819	36.4	-----	-----	-----	-----	-----	-----	-----	15	-----	-----	12
Automatic temperature control	61,987	61,987	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Automatic sprinkler system	104,890	104,890	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Masonry	617,442	543,850	88.1	40,208	246,943	8,651	5,749	13,222	17,806	4,368	96,642	19,252	10,527	10,132
Painting and decorating	910,910	910,910	100.0	2	-----	-----	-----	-----	-----	-----	7	7	89	-----
Glass and glazing	418,917	410,548	98.0	-----	-----	-----	-----	-----	-----	-----	3	-----	-----	89
Plastering and lathing	564,003	402,080	71.3	29,531	9,082	-----	875	1,110	500	-----	32,282	34,805	155,305	400
Roofing and sheet metal work	2,980,332	2,918,371	97.4	8,254	-----	-----	400	-----	-----	-----	-----	-----	-----	-----
Roofing	683,424	620,463	90.8	4,997	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Sheet metal work	1,506,944	1,506,944	100.0	483	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Roofing and sheet metal combined	800,864	791,864	98.1	2,774	-----	-----	400	-----	-----	-----	-----	-----	-----	-----
Steel erection	1,111,055	1,066,055	95.9	1,132	1,026	-----	-----	493	-----	-----	1,950	92	-----	859,165
Stono work	60,525	15,525	25.7	-----	-----	-----	-----	10,000	-----	-----	2,000	100	3,000	-----
Marble and tiling	2,267,996	1,419,589	62.9	10,506	5,000	-----	947,411	-----	393,297	-----	28,347	4,031	6,953	-----
Wrecking	1,000	1,000	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Excavating	36,103	36,103	100.0	23,244	30	-----	-----	1,200	100	1,000	3,686	307	-----	500
Ornamental iron	843,971	393,940	46.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	18,353
Grading	11,181	11,181	100.0	721	460	-----	-----	-----	-----	-----	7,000	1,350	250	-----
Street paving	5,894	5,894	100.0	2,400	-----	-----	-----	-----	-----	-----	494	-----	-----	-----
Dredging, river, harbor, etc.	28,230	28,230	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Foundation	62,444	30,422	48.6	17,394	-----	-----	-----	-----	-----	-----	0,714	-----	-----	-----
Metal work, n. e. s.	41,747	41,747	100.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Flooring, n. e. s.	773,545	28,545	3.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
BOSTON	40,293,055	34,547,580	85.7	2,773,855	1,629,774	207,718	604,526	262,841	1,199,580	162,290	2,573,080	162,705	207,423	2,070,909
Operative builders	151,985	151,985	100.0	6,185	14,701	-----	4,040	293	-----	4,542	9,023	3,983	339	-----
General contractors	26,270,228	22,287,471	84.8	2,710,702	1,500,806	206,813	209,816	251,705	1,036,485	157,748	2,500,335	144,790	111,006	1,627,315
Building	12,298,455	8,690,740	70.7	844,510	1,107,609	189,264	208,156	106,613	1,78,407	33,266	1,137,835	113,159	109,056	752,918
Building not specialized	11,030,737	7,737,909	70.1	767,621	1,122,800	177,208	200,016	103,650	169,801	33,266	1,045,402	107,867	98,834	670,095
Commercial building only	630,378	695,378	94.4	49,816	33,103	5,174	3,609	600	-----	-----	53,735	1,867	4,067	37,364
Manufacturing building only	125,592	125,592	100.0	18,924	17,000	1,410	-----	2,100	-----	-----	23,132	1,435	-----	12,795
Residential building only	509,748	231,771	45.5	8,449	23,886	5,472	4,631	363	8,606	-----	15,500	2,000	6,155	32,124
Highway	683,304	633,304	92.7	288,453	1,175	-----	-----	-----	19,074	-----	59,847	-----	-----	109,865
Bridge and culvert	444,932	376,146	84.5	122,306	20	-----	-----	-----	41,264	89,550	43,964	99	-----	27,118
Grading	65,054	65,054	100.0	18,216	2,893	-----	-----	-----	2,446	5,340	11,993	-----	-----	-----
Street paving	783,412	608,527	77.7	248,130	14,534	1,390	-----	7,840	1,642	-----	121,188	1,620	-----	6,632
Sewer, gas, water, conduit	161,856	143,618	88.7	32,407	10,981	-----	-----	-----	-----	-----	37,535	-----	-----	2,000
Dam and reservoir	167,810	162,812	97.0	51,146	3,716	-----	-----	-----	-----	-----	16,195	23,912	-----	-----
Waterworks	93,485	33,350	35.7	840	400	-----	-----	-----	-----	-----	1,500	-----	-----	300
Dredging, river, harbor, etc.	572,608	572,608	100.0	4,982	2,650	280	-----	-----	48,652	29,580	4,268	300	-----	5,112
Railroad	125,712	125,712	100.0	612	1,428	-----	-----	112,752	-----	-----	-----	-----	-----	-----
Central station, light and power plant	10,875,600	10,875,600	100.0	1,099,100	256,460	13,500	1,400	24,600	745,000	-----	1,072,000	5,700	2,850	1,023,350
Subcontractors	13,870,842	12,108,104	87.3	56,968	114,207	900	390,670	643	163,085	-----	57,732	13,932	95,178	143,594
Carpentering and wood flooring	144,276	80,470	55.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Concreting	68,335	68,335	100.0	11,478	74	-----	-----	-----	-----	-----	21,998	-----	-----	-----
Electrical	1,727,867	1,703,391	98.6	1,686	1,173	-----	-----	-----	-----	-----	2,540	-----	75	250
Elevator construction	2,141,440	2,141,440	10											

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

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	Limo	Plaster, etc.	Structural steel
		Amount	Per cent of total											
BOSTON—Continued														
Subcontractors—Continued.														
Painting and decorating	\$457,538	\$457,538	100.0										\$74	
Glass and glazing	213,513	205,149	96.1								\$3			\$59
Plastering and lathing	349,348	195,419	55.9	\$12,554	\$414						4,924	\$8,199	95,024	
Roofing and sheet metal work	1,303,650	1,272,675	97.6											
Roofing	128,810	97,835	76.0											
Sheet metal work	863,154	863,154	100.0											
Roofing and sheet metal combined	311,086	311,086	100.0											
Steel erection	277,573	277,573	100.0	1,132	1,026			\$493			1,956	92		130,592
Marble and tiling	1,207,279	586,224	48.6	9,799			\$390,670		\$163,045		12,511	2,391		
Ornamental iron	243,194	163,194	67.1											7,833
Dredging, river, harbor, etc.	14,003	14,003	100.0											
Foundation	52,444	30,422	58.0	17,394							9,714			
Metal work, n. e. s.	4,962	4,962	100.0											
Flooring, n. e. s.	23,545	23,545	100.0											
CAMBRIDGE	5,256,637	4,678,933	87.1	231,584	68,052	\$18,059	192,194	4,480	221,532		147,630	3,743	9,249	768,168
General contractors														
Building	2,020,336	1,784,068	88.3	212,844	52,932	18,059	12,046	4,480	7,282		125,137	3,743	2,749	741,483
Building not specialized	4,049,791	414,123	63.7	40,434	52,518	18,059	12,046	4,162			55,433	3,743	2,749	33,787
Commercial building only	587,478	384,310	65.4	35,132	47,175	18,059	12,046	4,162			49,901	3,743	2,749	33,787
Residential building only	20,813	29,813	100.0	5,302	5,343						5,632			
Highway	31,080	31,080	100.0	12,322	414			328	3,194		3,650			201
Bridge and culvert	700,000	700,000	100.0											700,000
Street paving	613,465	613,465	100.0	160,088							4,088			
Dredging, river, harbor, etc.	26,000	26,000	100.0								60,054			7,500
Subcontractors														
Concreting	3,236,301	2,794,265	86.3	18,750	15,120		180,148		214,250		22,493		6,500	26,680
Electrical	58,111	58,111	100.0	10,847	10,120		280				13,151			11,680
Heating and plumbing	172,896	172,896	100.0											15,000
Heating and piping	\$1,962,160	1,771,880	90.3											
Plumbing	1,710,748	1,710,748	100.0											
Painting and decorating	101,132	61,132	60.4											
Roofing and sheet metal work	28,300	28,300	100.0											
Roofing	327,461	327,461	100.0											
Sheet metal work	13,546	13,546	100.0											
Roofing and sheet metal combined	156,631	156,631	100.0											
Marble and tiling	157,384	157,384	100.0											
Excavating	420,366	420,366	100.0	4,406	5,000		170,868		214,250		9,342		6,500	
Ornamental iron	3,497	3,497	100.0	3,497										
FALL RIVER	1,299,978	1,187,642	91.4	40,973	42,971	4,725	21,452	739	81,927	\$637	81,804	6,600	17,408	32,591
General contractors														
Building	658,984	578,554	87.8	32,174	20,443	2,047	2,452	739	67,816	637	64,932	2,295	8,721	32,591
Building not specialized	437,482	367,052	83.6	20,218	18,853	2,047	2,452	739	12,955		21,943	2,295	8,721	19,167
Commercial building only	295,281	214,861	72.8	19,337	14,079	2,047	2,452	739	12,955		20,648	1,913	7,666	11,867
Residential building only	40,191	40,191	100.0	881	4,774						1,295	332	1,055	7,300
Highway	102,000	102,000	100.0											
Bridge and culvert	7,946	67,946	100.0	6,500	500						30,628			
Sewer, gas, water, conduit	113,367	113,367	100.0	3,894					54,861	637				13,424
Dredging, river, harbor, etc.	14,790	14,790	100.0	1,100	10,000						2,990			
	25,390	25,390	100.0	462							371			
Subcontractors														
Electrical	640,994	609,088	95.0	8,799	13,528	2,678	19,000		14,111		16,872	4,305	8,685	
Heating and plumbing	149,141	149,141	100.0											
Heating and piping	318,435	286,629	90.0											
Plumbing	126,209	112,608	89.2											
Plumbing and heating combined	110,614	92,811	83.5											
Masonry	81,612	81,612	100.0											
Painting and decorating	40,117	49,117	100.0	6,957	9,628	2,678			14,111		4,717	1,820	4,987	
Glass and glazing	21,033	21,033	100.0											
Plastering and lathing	26,857	26,857	100.0											
Roofing	25,642	25,642	100.0	1,212	3,900						11,700	2,275	3,648	
Marble and tiling	30,639	30,639	100.0	480										
	20,130	20,130	100.0	150			10,000				455	210	50	
LOWELL	738,319	479,827	65.4	17,158	10,194	3,311	2,858	3,072	30,825	1,892	6,375	11,600		
General contractors														
Building not specialized	454,612	231,847	51.0	15,956	10,194	3,311		2,656	3,072		30,825	1,892	6,375	11,600
	454,612	231,847	51.0	15,956	10,194	3,311		2,656	3,072		30,825	1,892	6,375	11,600
Subcontractors														
Electrical	278,707	247,080	88.7	1,200										
Heating and plumbing	86,346	86,346	100.0											
Heating and piping	128,434	97,707	76.1											
Plumbing	29,133	29,133	100.0											
Plumbing and heating combined	99,301	68,574	68.7											
Painting and decorating	25,879	25,879	100.0											
Roofing	38,048	38,048	100.0	1,200										
LYNN	1,490,157	868,714	58.3	70,612	51,609	16,034	2,939	13,720	2,811	250	23,810	3,784		7,376
Operative builders														
	155,442	155,442	100.0	2,050	3,480	800	2,000	3,720	2,550		2,060	865		7,200
General contractors														
Building	717,427	367,427	51.2	67,962	48,129	15,234	939		261	250	21,750	2,919		176
Building not specialized	637,040	287,040	45.1	9,962	47,249	15,234	939		261	250	14,074	2,832		170
Commercial building only	517,259	167,259	32.3	6,623	16,599	15,029	939		261	250	9,163	2,832		
Residential building only	58,100	58,100	100.0	3,339	30,650						4,921			
Highway	61,681	61,681	100.0			205								176
Telephone line and system	60,594	60,594	100.0	47,500						250				
	19,793	19,793	100.0	10,500	880						7,676	87		

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	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											
LYNN—Continued														
Subcontractors.....	\$617,288	\$345,845	56.0					\$10,000						
Electrical.....	130,887	100,887	77.1											
Heating and plumbing.....	286,252	108,810	38.0											
Heating and piping.....	151,841	15,399	10.1											
Plumbing.....	57,466	57,466	100.0											
Plumbing and heating combined.....	76,945	35,945	46.7											
Painting and decorating.....	22,264	22,264	100.0											
Glass and glazing.....	37,107	37,107	100.0											
Roofing and sheet metal work.....	66,777	66,777	100.0											
Roofing.....	18,000	18,000	100.0											
Sheet metal work.....	20,571	20,571	100.0											
Roofing and sheet metal combined.....	22,206	22,206	100.0											
Stone work.....	10,000	10,000	100.0					10,000						
NEW BEDFORD.....	476,069	312,046	65.7	\$41,984	\$5,611	\$300		250			\$2,250	\$250	\$150	\$5,067
General contractors.....	221,921	126,955	57.2	41,984	5,611	300		250			2,250	250	150	5,067
Building.....	182,989	88,023	48.1	3,032	5,611	300					2,250	250	150	5,067
Building not specialized.....	153,441	58,475	38.1	2,075	3,850	300		250			2,250	250	150	200
Manufacturing building only.....	13,179	13,179	100.0	957	1,701									4,701
Residential building only.....	10,369	10,369	100.0											166
Highway.....	38,932	38,932	100.0	38,932										
Subcontractors.....	254,138	185,601	73.1											
Electrical.....	82,467	82,467	100.0											
Heating and plumbing.....	100,739	32,292	32.1											
Heating and piping.....	12,528	12,528	100.0											
Plumbing.....	88,211	19,764	22.4											
Painting and decorating.....	42,932	42,932	100.0											
Glass and glazing.....	20,000	20,000	100.0											
Roofing.....	8,000	8,000	100.0											
SOMERVILLE.....	674,298	550,123	81.6	37,872	15,270	3,249	\$2,400	5,782	\$22,255	\$450	30,667	2,023		26,033
Operative builders.....	120,977	120,977	100.0	1,308	7,146	718	1,200	5,202	3,400	450	2,501	1,513		2,678
General contractors.....	185,847	107,009	57.6	34,564	8,124	2,531	1,200	500	18,855		28,166	510		1,800
Building.....	72,647	72,647	100.0	4,318	7,044	2,531	1,200	500	4,325		2,000	510		1,800
Building not specialized.....	48,161	48,161	100.0	4,318	7,044	2,531	1,200	500	4,325		2,660	510		1,800
Residential building only.....	24,486	24,486	100.0											
Street paving.....	26,782	26,782	100.0	8,246					14,530		4,006			
Central station, light and power plant.....	67,580	67,580	100.0	22,000	1,080						21,500			
Subcontractors.....	367,474	262,137	71.3	2,000										21,555
Heating and plumbing.....	212,266	106,929	50.4											
Heating and piping.....	11,950	11,950	100.0											
Plumbing.....	94,979	94,979	100.0											
Painting and decorating.....	37,846	37,846	100.0											
Roofing and sheet metal work.....	95,807	95,807	100.0	2,000										
Roofing.....	74,265	74,265	100.0											
Roofing and sheet metal combined.....	21,542	21,542	100.0	2,000										
Steel erection.....	21,555	21,555	100.0											21,555
SPRINGFIELD.....	6,902,820	1,735,249	25.1	55,779	166,136	1,295	778	21,704	11,789	183	93,474	17,429	23,006	72,373
Operative builders.....	24,069	12,955	53.8											
General contractors.....	5,404,960	579,277	10.7	39,792	99,853	1,295	778	21,704	11,789	183	50,693	13,220	5,602	70,820
Building.....	5,440,827	525,144	9.7	37,207	98,783	1,295	778	9,104	11,789		52,699	13,180	5,602	67,880
Building not specialized.....	5,376,280	485,597	9.0	36,741	94,661	1,008	778	7,491	10,734		52,079	12,609	4,325	56,861
Residential building only.....	64,547	39,547	61.3	466	4,222	287		1,613	1,055		620	671	1,277	475
Bridge and culvert.....	24,643	24,643	100.0	1,580	570					183	2,726	40		9,900
Grading.....	4,600	4,600	100.0	1,005							1,268			
Central station, light and power plant.....	24,800	24,800	100.0					12,600						3,600
Subcontractors.....	1,383,791	1,143,017	82.6	15,987	60,783						36,781	4,209	17,403	1,537
Electrical.....	297,990	297,990	100.0											
Heating and plumbing.....	713,134	593,134	83.2											
Heating and piping.....	426,080	376,080	88.3											
Plumbing.....	267,054	217,054	81.3											
Masonry.....	118,165	118,165	100.0	11,275	60,783						35,733			1,537
Painting and decorating.....	7,289	7,289	100.0											
Plastering and lathing.....	44,620	44,620	100.0	4,324							1,048	4,209	17,403	
Roofing and sheet metal work.....	121,805	81,819	67.2	388										
Roofing.....	80,748	55,762	69.1	388										
Sheet metal work.....	14,000	14,000	100.0											
Roofing and sheet metal combined.....	27,057	12,057	44.6											
WORCESTER.....	5,233,951	4,259,681	81.4	287,000	325,053	41,156	30,045	3,065	73,347	3,964	277,097	34,249	20,739	11,903,774
General contractors.....	3,868,602	3,150,558	81.4	277,055	318,303	37,858	8,008	3,065	67,345	3,964	271,579	31,633	15,830	489,326
Building.....	3,740,997	3,097,953	82.8	246,850	317,303	37,858	8,008	3,065	67,345	3,964	270,327	31,633	15,830	489,326
Building not specialized.....	3,668,231	3,025,187	82.5	245,294	315,279	37,848	8,008	2,933	67,345	3,964	269,262	31,573	15,813	488,207
Commercial building only.....	16,905	16,905	100.0	960	372			68			960	38		462
Residential building only.....	55,861	55,861	100.0	596	1,652	10		64			115	22	17	667
Highway.....	41,885	41,885	100.0	29,705							252			
Sewer, gas, water, conduit.....	85,720	10,720	12.5	500	1,000						1,000			
Subcontractors.....	1,365,349	1,109,123	81.2	9,945	6,750	3,300	21,437		6,002		5,518	2,616	4,909	414,448
Electrical.....	178,455	178,455	100.0											

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	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												
WORCESTER—Continued															
Subcontractors—Continued.															
Heating and plumbing	10 \$300,730	\$146,788	47.9												
Heating and piping	140,247	92,247	65.1												
Plumbing	54,541	54,541	100.0												
Masonry	21,020	21,020	100.0	\$1,800	\$6,750	\$3,300					\$1,920	\$780			
Painting and decorating	30,559	30,559	100.0												
Glass and glazing	35,435	35,435	100.0												
Plastering and lathing	9,659	9,659	100.0	1,200											
Roofing and sheet metal work	172,363	172,363	100.0	2,099			\$400				1,198	1,836	\$4,800		
Roofing	82,348	82,348	100.0	2,099											
Sheet metal work	51,291	51,291	100.0												
Roofing and sheet metal combined	38,724	38,724	100.0				400								
Steel erection	474,357	474,357	100.0											\$414,448	
Marble and tiling	35,040	35,040	100.0	1,347			21,037		\$6,002		2,400		103		
Excavating	4,841	4,841	100.0	3,499											
MASSACHUSETTS															
Operative builders	\$1,148,333	\$588,844	\$547,404	\$194,784	\$564,795	\$6,749,739	\$150,259	\$1,801,831	\$231,330	\$103,784	\$766,702	\$2,097,766	\$2,402,073	\$161,877	\$96,668
General contractors	1,087,867	444,617	405,601	78,928	54,239	6,261,709	121,059	1,487,342	210,694	68,401	707,736	298,969	235,787	119,971	46,201
Building	596,677	300,262	277,016	76,069	43,989	4,597,013	119,258	1,474,846	186,899	54,889	561,003	269,252	221,220	116,701	44,601
Building not specialized	495,240	298,915	348,317	69,503	42,282	3,755,006	72,933	1,194,149	151,359	50,409	451,382	227,487	196,746	82,201	32,889
Commercial building only	46,796	80	9,604	1,845	266	250,535	314	24,000	1,432	1,522	17,760	11,971	10,266	2,390	659
Manufacturing building only	14,280	800	3,407			33,824		3,410	100	794	2,952	850	110		
Residential building only	10,349	467	15,988	5,621	1,441	578,648	46,011	252,627	34,008	2,254	89,519	20,444	44,098	32,104	11,653
Highway	124,225	1,004				74,827		65		211	9,897	63	112		
Bridge and culvert	74,305	1,316	480	300		96,752	401	2,781	455	2,157	10,472	2,630	2,065	1,200	300
Grading	3,290	1,876				15,873				1,004	2,750	16,154			
Street paving	20,450	28,923				9,500				1,897					
Sewer, gas, water, conduit	1,893	1,513				12,433				1,219			500		
Dam and reservoir	18,236					18,825									
Waterworks	200					600			200	300	150	150	100		
Dredging, river, harbor, etc.	2,830	2,130	9,565	600		404,784	1,400	4,050	1,350	200	30,295	1,670	4,500	2,070	300
Railroad	2,416					4,767				1,101			2,530		
Foundation	1,145	100				1,825				20					
Central station, light and power plant	251,172	107,500	18,000	1,000	10,250	964,460		5,600	21,700	7,300	78,900	8,550	5,200		1,000
Telephone line and system	450														
Subcontractors	75,320	141,678	128,568	114,215	509,476	147,386	20,275	10,512	12,891	35,055	20,512	1,781,187	2,159,699	24,645	38,108
Carpen tering and wood flooring						98,766			6,500		5,639	3,039	1,000	1,000	
Concrete	9,905	8,711	450	200		12,843	1,400	200		25,543	3,186	5,643	36		
Electrical	722	25,000	11,000			2,492			300		2,743	400	2,000		
Heating and plumbing		29,451				30				25	2,350	678	74,441		
Heating and piping		29,451									2,000		23,210		
Plumbing													22,945		
Plumbing and heating combined						30					25	350	678	28,286	
Masonry	2,973	2,444	250	7,441	875	12,040	3,010	920	2,439	1,033	1,221	73	989	100	
Painting and decorating				2					6	45		872,644		38,108	
Glass and glazing	38	45	11,190	98,993		1,250					3,100		381,923		
Plastering and lathing	225					13,917	15,865		1,685	50	812	615,982	2,081,233		
Roofing and sheet metal work		71,006	21,513			3,842			1,805	3,250	812	15,371	593,978		
Roofing						10,075			1,275	1,000	812	500,271	707,668		
Sheet metal work		71,006	21,513					9,192	630						
Roofing and sheet metal combined										7,259			340	770,587	
Steel erection	58,142	150	80,997	158	59,909	470		200	150		409	400	150		
Stone work	75					200									
Marble and tiling			2,700	7,421								150			
Wrecking						1,000									
Excavating	840					440									
Ornamental iron	500	9,573	488	364,526							300	200			
Grading	150					110				100					
Dredging, river, harbor, etc.		298				2,764					593		55		
Foundation	2,250					1,064									
Flooring, n. e. s.														23,545	
BOSTON															
Operative builders	751,087	424,839	280,118	98,042	237,696	2,937,658	10,299	511,717	83,447	48,431	298,372	1,206,698	619,911	60,670	48,172
General contractors	687,884	349,972	146,748	36,218	23,140	2,792,939	10,299	486,922	91,941	31,008	281,189	70,675	45,270	31,025	5,732
Building	404,971	240,393	128,483	34,558	12,890	1,481,935	8,898	477,218	68,656	21,907	166,930	58,006	37,280	28,956	4,432
Building not specialized	337,839	239,593	116,471	33,558	12,890	1,252,782	8,398	417,405	61,627	19,848	142,680	45,704	27,467	24,652	3,647
Commercial building only	45,910		8,605	1,000		164,253		22,504	1,000	1,055	12,186	10,521	9,075	1,803	635
Manufacturing building only	14,144	800	3,407			21,005		3,410	100	704	1,997	100	110		
Residential building only	7,078					53,895	500	33,899	5,929	300	10,067	1,781	628	2,500	150
Highway	17,253	425				28,116									
Bridge and culvert	26,693	223				19,998		1	54	35		474	64		
Grading	1,694	801				495						2,735			
Street paving	3,933					9,500						1,887			
Sewer, gas, water, conduit	1,054	500				10,792					200	2,842	500		
Dam and reservoir	17,031					18,825									
Waterworks	200					600			200	300	150	150	100		

See footnotes at end of table.

CONSTRUCTION—MASSACHUSETTS

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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	Com-position board	Water-proofing materials	Hard-ware, rough and finished	Paints, varnishes, and glass	Roofing and sheet metal	Fin-ished floor-ing, n. e. s.	Screen shades awn-ings, etc.
BOSTON—Continued															
General contractors—Continued.															
Dredging, river, harbor, etc.	\$836	\$136		\$660		\$322,011	\$1,400	\$4,050	\$1,350	\$200	\$20,731	\$670	\$660	\$2,070	\$300
Railroad	2,410					4,767				1,101			2,530		
Central station, light and power plant	207,000	107,500	18,000	1,000	\$10,250	895,900		5,600	21,700	7,800	78,900	8,550	4,700		1,000
Subcontractors	63,203	74,867	113,370	61,824	214,556	91,154		9,792	1,256	17,423	11,441	1,130,231	572,711	23,645	38,103
Carpentering and wood flooring						72,442					5,289	2,739			
Concreting	1,401	3,711				1,850		200		17,228		5,328		36	
Electrical	722					2,492			300			400		2,000	
Heating and plumbing														1,912	
Heating and piping															
Plumbing and heating com-bined															100
Masonry	150					1,600		200	300	150					38,103
Painting and decorating										45		419,311			
Glass and glazing	38											202,053			
Plastering and lathing			10,860	61,066											
Roofing and sheet metal work		71,006	21,513		60,000	10,000		9,192	500		600	500,000		508,763	
Roofing														97,835	
Sheet metal work		71,006	21,513		60,000	10,000		9,192	500		600	500,000		150,242	
Roofing and sheet metal com-bined														311,686	
Steel erection	58,142	150	80,907	158		470		200	150		400	400			
Ornamental iron	500				154,556						300				
Dredging, river, harbor, etc.						1,236									
Foundation	2,250					1,004									23,515
Flooring, n. e. s.															
	22,082	55,974	13,776	1,000	11,829	102,072	444	26,614	1,543	7,626	13,512	30,549	335,765	14	7
CAMBRIDGE															
General contractors	16,402	30,974	2,775		75	102,072	444	25,614	1,543	1,273	13,512	2,249	8,304	14	7
Building	9,410	52	2,775		75	97,746	444	25,614	1,543	1,273	13,512	2,249	8,304	14	7
Building not specialized	9,410	52	2,775		75	88,300	444	25,614	1,543	1,273	13,512	2,249	8,304	14	7
Manufacturing building only						9,386									
Highway						1,326									
Street paving	6,983	28,922				3,000									
Dredging, river, harbor, etc.		2,000													
Subcontractors	5,680	25,000	11,000	1,000	11,754					6,353		28,300	327,461		
Concreting	5,680									6,353					
Electrical		25,000	11,000												
Painting and decorating														327,461	
Roofing and sheet metal work														13,546	
Roofing														156,531	
Sheet metal work															
Roofing and sheet metal com-bined														157,384	
Marble and tiling				1,000											
Ornamental iron					11,754										
	21,746	8,802	7,287	21,280	126,271	4,651	74,915	12,452	979	34,735	23,368	50,967	5,886	3,000	
FALL RIVER															
General contractors	21,345	8,372	4,797	880	124,021	4,226	74,195	12,368	979	33,408	1,801	16,065	5,886	3,000	
Building	3,003	8,372	4,797	880	84,111	4,226	74,195	12,368	979	25,833	1,331	15,088	5,886	3,000	
Building not specialized	3,003	8,372	4,210	880	51,984	1,226	24,195	5,308	719	12,000	1,331	4,135	886		
Commercial building only			681		20,127				200	1,243		953			
Residential building only					12,000	3,000	50,000	7,000		12,000		10,000	5,000	3,000	
Highway	14,334				4,442					250	10				
Bridge and culvert	2,808				20,295					5,761	400	977			
Sewer, gas, water, conduit	300				400										
Dredging, river, harbor, etc.					14,773							2,064			
Subcontractors	400	430	2,490	20,400	1,250	425	720	84		1,327		26,567	34,902		
Heating and plumbing												450	4,743		
Plumbing													1,000		
Plumbing and heating com-bined												450	3,743		
Masonry	400		100	2,490		425	720	84				21,033			
Painting and decorating												5,084			
Glass and glazing		330			20,400	1,250					1,327				
Plastering and lathing															
Roofing															
	19,086	255	1,221	2,053	283	28,503	1,106	24,037	588	280	10,632	1,374	6,827	821	38
LOWELL															
General contractors	19,086	255	1,221	2,053	203	28,503	1,106	24,037	588	280	10,632	1,374	6,827	821	38
Building not specialized	19,086	255	1,221	2,053	203	28,503	1,106	24,037	588	280	10,632	1,374	6,827	821	38
Subcontractors												25,879	36,848		
Painting and decorating															
Roofing															
	450	8,450	400	4,702	186,491	1,384	46,278	3,089	1,472	19,769	62,595	64,182	6,025	2,008	
LYNN															
Operative builders			975	400	700	57,461		34,183			8,698	5,000		4,500	1,447
General contractors	450		7,475		246	129,030	1,884	12,095	3,089	1,472	11,071	1,980	1,024	1,525	561
Building			7,745		246	129,030	1,884	12,095	3,089	1,472	11,071	1,980	1,024	1,525	561
Building not specialized			7,475		100	94,736	20	2,062	2,362	1,472	6,370	28			24
Commercial building only						19,009					160				
Residential building only					86	15,288	1,364	10,033	727		4,541	1,952	1,024	1,525	537
Telephone line and system	450														

See footnotes at end of table.

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

CLASSIFICATION OF ESTABLISHMENTS	Reinforcing steel	Cast iron, miscellaneous (excluding pipe)	Metal doors, windows, and trim	Metal and wire lath and furring	Ornamental metal work	Lumber, rough and finished	Laths, shingles, and shakes	Millwork	Composition board	Waterproofing materials	Hardware, rough and finished	Paints, varnishes, and glass	Roofing and sheet metal	Finished flooring, n.e.s.	Screen shades awnings, etc.
LYNN—Continued															
Subcontractors.....					\$3,756							\$55,616	\$63,138		
Heating and plumbing.....													1,724		
Plumbing.....													1,724		
Painting and decorating.....												22,264			
Glass and glazing.....					3,750							33,351			
Roofing and sheet metal work.....													61,414		
Roofing.....													18,000		
Sheet metal work.....													21,208		
Roofing and sheet metal combined.....													22,206		
NEW BEDFORD	\$142	\$300	\$600	\$350		\$54,328	\$500	\$901	\$818	\$650	\$4,116	¹² 63,916	10,437	\$500	\$200
General contractors.....	142	300	600	350		54,328	500	901	818	650	4,116	984	2,437	500	200
Building.....	142	300	600	350		54,328	500	901	818	650	4,116	984	2,437	500	200
Building not specialized.....		300	600	350		39,250	500	600	650	650	860	200	1,200	500	200
Manufacturing building only.....	142					3,433					955	350			
Residential building only.....						11,645		301	168		2,311	434	1,237		
Subcontractors.....												62,932	8,000		
Painting and decorating.....												42,932			
Glass and glazing.....												20,000			
Roofing.....													8,000		
SOMERVILLE	13,900	534	7,803	1,175	300	96,938	3,147	24,027	350	346	9,825	40,558	¹² 92,459	632	1,408
Operative builders.....		334	7,533	800		53,125	2,747	15,727		8	6,750	800	2,106	632	1,408
General contractors.....	13,900	200	250	375	300	39,971	400	8,300	350	338	3,075	800	500		
Building.....	400	200	250	375	300	32,971	400	8,300	350	338	3,075	800			
Building not specialized.....	400	200	250	375	300	8,485	400	8,300	3-50	338	3,075	800			
Residential building only.....						24,486									
Central station, light and power plant.....	13,500					7,000							500		
Subcontractors.....						3,842						38,058	89,853		
Heating and plumbing.....													1,000		
Plumbing.....													1,000		
Painting and decorating.....												37,840			
Roofing and sheet metal work.....						3,842						1,112	88,853		
Roofing.....						3,842						1,112	69,311		
Roofing and sheet metal combined.....													19,542		
SPRINGFIELD	9,122	29,641	4,517	19,997	3,569	152,262	5,387	24,584	4,232	2,846	18,451	12,241	89,870	655	1,670
Operative builders.....						10,000	1,505		675		400			375	
General contractors.....	9,122	190	4,517	5,535	3,569	141,140	2,882	24,584	2,282	2,846	12,760	4,879	8,417	280	1,670
Building.....	8,367	140	4,347	5,535	3,569	128,830	2,882	23,928	2,012	2,761	12,285	4,729	7,720	280	1,670
Building not specialized.....	8,367	140	4,347	4,698	3,394	109,000	1,071	23,388	1,704	2,701	10,209	5,190	6,644	280	416
Residential building only.....				837	176	19,230	1,811	540	308		2,076	1,539	1,055		1,254
Bridges and culvert.....	680	50	170			4,504		656	270	85	475	160	688		
Grading.....	75					7,800									
Central station, light and power plant.....															
Subcontractors.....		29,451		14,462		1,122	1,000		1,275		291	7,362	81,453		
Heating and plumbing.....		29,451											3,000		
Heating and piping.....		29,451											3,000		
Masonry.....						1,122	1,000				291	73	297		
Painting and decorating.....												7,289			
Plastering and lathing.....				14,462											
Roofing and sheet metal work.....									1,275				78,156		
Roofing.....									1,275				54,099		
Sheet metal work.....													12,000		
Roofing and sheet metal combined.....													12,057		
WORCESTER	65,091	45,315	157,469	8,699	70,140	707,184	11,347	203,823	21,361	5,616	75,796	164,056	217,206	7,805	4,417
General contractors.....	65,091	45,315	157,469	3,978	10,231	706,600	11,292	203,823	21,361	5,616	75,466	97,722	38,262	7,805	4,417
Building.....	65,091	44,315	157,469	3,978	10,231	704,400	11,292	203,823	21,361	5,596	75,466	97,722	38,262	7,805	4,417
Building not specialized.....	65,091	44,315	156,460	3,886	9,917	677,062	6,683	186,015	18,791	5,590	70,172	96,073	36,639	6,454	3,528
Commercial building only.....			159	24	266	9,122	314	2,156	432		1,354		238		
Residential building only.....			850	68	48	20,216	4,295	15,652	2,138		3,940	1,649	1,385	1,351	889
Sewer, gas, water, conduit.....		1,000				200				20					
Subcontractors.....				4,715	59,909	584	55				330	60,334	178,944		
Heating and plumbing.....													11,420		
Heating and piping.....													11,420		
Masonry.....						584					330				
Painting and decorating.....												30,559			
Glass and glazing.....												35,435			
Plastering and lathing.....				564			55								
Roofing and sheet metal work.....												340	167,524		
Roofing.....													80,240		
Sheet metal work.....													49,291		
Roofing and sheet metal combined.....												340	37,984		
Steel erection.....					59,909										
Marble and tiling.....				4,151											

See footnotes at end of table.

CONSTRUCTION—MASSACHUSETTS

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

CLASSIFICATION OF ESTABLISHMENTS	Heating and ventilating equipment	Plumbing and gas-fitting equipment	Electrical appliances and supplies	Elevators, dumb-waiters, etc.	Pipe: Drain tile, vitrified, concrete, etc.	Pipe: Cast iron, sheet and tube steel, etc.	Wire cable, guards, and fencing	Bituminous paving materials	Wood piling and timber	Ready mixed concrete	Machinery	Freight, hauling or trucking to job	Metal products, n. e. s.	Mineral products (non-metallic) n. e. s.	Miscellaneous ¹
MASSACHUSETTS	\$6,477,325	\$5,034,241	\$5,047,399	\$2,315,855	\$285,708	\$1,769,153	\$179,899	\$994,216	\$189,826	\$137,726	\$2,617,092	\$243,830	\$62,142	\$73,005	\$559,517
Operative builders	23,516	33,044	11,564		1,700	300								903	870
General contractors	270,456	167,314	1,050,350	10,041	247,327	1,107,979	153,388	908,200	170,041	137,726	2,534,692	240,871	10,851	69,332	409,658
Building	232,978	157,204	114,478	10,041	57,730	180,902	36,861	28,990	36,534	87,827	199,982	7,397	4,027	7,789	145,913
Building not specialized	175,343	122,714	104,398	9,918	54,371	180,685	36,277	28,890	36,534	87,235	120,457	4,629	3,487	6,277	114,345
Commercial building only	36,235	9,033	4,323		1,358					592	79,525	1,340		7,055	
Manufacturing building only					154							1,428		5,827	
Residential building only	21,400	25,457	5,757	123	1,847								540	18,089	
Highway		30	251		100,290	15,913	38,178	492,852				129,384			27,671
Bridge and culvert	70	1,704	515		1,062	5,082	2,571	5,160	5,000			22,504	5,736	5,573	
Grading		780			18,660	2,467	554	22,287						2,043	4,307
Street paving					0,058	682		377,918		49,890		81,406			29,866
Sewer, gas, water, conduit					27,312	35,343	1,187	7,038							12,835
Dam and reservoir					13,856		2,337	11,206					4,588		
Waterworks		200	500			7,000				20,910					
Dredging, river, harbor, etc.	135	140	1,125		3,225	70	200	150	111,432	7,000		5,500	5,000	12,679	
Railroad					100										
Foundation					135									814	
Central station, light and power plant	37,273	7,250	1,539,481		18,684	950,520	76,500	22,599	17,075		2,356,800			55,000	260,000
Telephone line and system					200										
Subcontractors	6,183,353	4,833,883	3,979,485	2,305,814	16,081	570,814	21,511	20,010	10,785		32,400	2,959	42,201	2,300	58,959
Carpentering and wood flooring	400														981
Concreting					5,053	1,292		4,900							11,052
Electrical	1,750	5,836	3,950,478			23,043	14,224				32,400				
Elevator construction			4,201	2,305,814			7,000								
Heating and plumbing	6,145,385	4,759,711	24,652		8,020	542,304						57		2,315	
Heating and piping	4,860,358	671,376	2,197		3,750	444,253								2,315	
Plumbing	722,339	3,441,356	22,455		4,230	23,521									
Plumbing and heating combined	500,701	542,089			46	74,530						57			
Automatic temperature control	61,987														
Automatic sprinkler system		104,890													
Masonry		800	54		888	150		15,100						2,300	6,750
Glass and glazing												1,373		2,966	
Plastering and lathing					175	25								4,952	
Roofing and sheet metal work	34,618	67,536				4,000	287	9					544	18,994	
Sheet metal work	33,114	67,536				4,000	287	9					544	18,994	
Roofing and sheet metal combined	1,504														
Steel erection	1,200														
Marble and tiling														7,773	
Excavating					2,189			3,007							
Grading			100		350										
Street paving								3,000							
Dredging, river, harbor, etc.									19,785			1,529		3,206	
Metal work, n. e. s.													41,747		
BOSTON	2,718,343	2,010,904	3,243,130	2,130,539	88,776	1,213,542	143,950	221,466	118,960	131,327	2,577,692	4,114	10,453	58,338	424,345
Operative builders	3,007	10,450	2,150												
General contractors	80,509	36,803	1,576,393	300	88,576	1,034,122	122,726	217,386	108,384	131,327	2,577,692	4,114	5,491	58,338	389,927
Building	48,874	32,663	44,017	300	20,882	72,768	32,338	3,027	4,681	87,827	199,982	4,114	903	3,338	85,774
Building not specialized	12,639	23,630	38,094	300	19,055	72,768	32,085	3,027	4,681	87,235	120,457	2,080	903	3,338	74,730
Commercial building only	36,235	9,033	4,323		573					592	79,525	1,340		7,055	
Manufacturing building only					154							1,428		5,827	
Residential building only			1,000		1,100									697	
Highway			251		16,360			10,022	82,443					5,692	
Bridge and culvert								341						3,573	
Grading					12,396	1,540	554	3,800							
Street paving					409			111,456		43,500				29,866	
Sewer, gas, water, conduit					21,801	4,465	1,187	5,304						3,000	
Dam and reservoir					13,856		2,337	11,206					4,588		
Waterworks		200	500			7,000				20,910					
Dredging, river, harbor, etc.	135	140	125		525	70	200	150	103,703					4,714	
Railroad					106										
Central station, light and power plant	31,600	3,800	1,531,500		2,250	947,800	75,700				2,356,800			55,000	260,000
Subcontractors	2,634,227	1,963,651	1,664,537	2,130,239	200	170,420	21,224	4,100	10,576				4,902	34,418	
Concreting								4,000						981	
Electrical	300		1,660,389			14,100	14,224								
Elevator construction			4,201	2,130,239			7,000								
Heating and plumbing	2,020,020	1,902,851				165,320									
Heating and piping	2,281,210	74,834				153,611									
Plumbing	272,311	1,776,103				11,809									
Plumbing and heating combined	5,112	7,024													
Automatic temperature control	61,987														
Automatic sprinkler system		104,890													
Masonry		800			200			100							
Glass and glazing														2,966	
Plastering and lathing														1,778	
Roofing and sheet metal work	12,107													18,994	
Sheet metal work	12,107													18,994	
Steel erection	1,200														
Marble and tiling														7,508	
Dredging, river, harbor, etc.									10,576					2,191	
Metal work, n. e. s.													4,962		

See footnotes at end of table.

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

CLASSIFICATION OF ESTABLISHMENTS	Heating and ventilating equipment	Plumbing and gas-fitting equipment	Electrical appliances and supplies	Elevators, dumb-waiters, etc.	Pipe: Drain tile, vitrified, concrete, etc.	Pipe: Cast iron, sheet and tube steel, etc.	Wire cable, guards, and fencing	Bituminous paving materials	Wood piling and timber	Ready mixed concrete	Machinery	Freight, hauling or trucking to job	Metal products, n. e. s.	Mineral products (non-metallic) n. e. s.	Miscellaneous ¹¹
CAMBRIDGE	\$1,207,489	\$358,268	\$91,951	\$1,550	\$5,556	\$224,408	\$618	\$265,159		\$6,398	\$39,400	\$81,496	\$5,500	\$5	\$4,628
General contractors.....	12,250	3,935	2,455	1,550	5,556	2,100	618	205,159		6,398	7,000	81,496	5,500	5	4,628
Building.....	12,250	3,935	1,455	1,550	507	2,100		1,745						5	4,628
Building not specialized.....	12,250	3,935	1,455	1,550	507	2,100		1,745						5	378
Manufacturing building only.....															4,250
Highway.....					702		618	8,265							
Street paving.....					4,287			255,149		6,398		81,496			
Dredging, river, harbor, etc.....			1,000								7,000		5,500		
Subcontractors.....	1,195,239	354,333	89,496			222,308					32,400				
Electrical.....			89,496								32,400				
Heating and plumbing.....	1,195,239	354,333				222,308									
Heating and piping.....	1,184,641	303,799				222,308									
Plumbing.....	10,598	50,534													
FALL RIVER	140,477	134,319	149,658		144	7,832		2,192	\$7,729			10,841			2,289
General contractors.....		1,607	515		144			2,192	7,729			9,468			1,709
Building.....					144							1,340			1,709
Building not specialized.....					144										1,709
Commercial building only.....															
Highway.....								2,192				1,340			
Bridge and culvert.....		1,607	515									8,128			
Dredging, river, harbor, etc.....									7,729						
Subcontractors.....	140,477	132,712	149,141			7,832						1,373			580
Electrical.....			149,141												
Heating and plumbing.....	140,477	132,712				7,832									315
Heating and piping.....	101,395	3,379				7,832									315
Plumbing.....	0,832	81,164													
Plumbing and heating combined.....	29,250	48,169													
Glass and glazing.....												1,373			
Marble and tiling.....															265
LOWELL	66,715	71,069	91,348		1,200	2,266						339			
General contractors.....	22,000	18,077	5,000		1,200	2,266						339			
Building not specialized.....	22,000	18,077	5,000		1,200	2,266						339			
Subcontractors.....	44,715	52,992	86,348												
Electrical.....			86,348												
Heating and plumbing.....	44,715	52,992													
Plumbing.....	9,300	19,833													
Plumbing and heating combined.....	35,415	33,159													
LYNN	56,403	90,104	104,849		874		589	12,255					540	963	1,917
Operative builders.....	4,882	6,798	3,540											903	570
General contractors.....	7,653	14,725	422		874		589	12,255					540		1,347
Building.....	7,653	14,725	422		674								540		1,347
Building not specialized.....					674										464
Residential building only.....	7,653	14,725	422		674								540		883
Highway.....							589	12,255							
Telephone line and system.....					200										
Subcontractors.....	43,868	68,581	100,887												
Electrical.....			100,887												
Heating and plumbing.....	43,868	63,218													
Heating and piping.....	10,399	5,000													
Plumbing.....	17,434	38,308													
Plumbing and heating combined.....	16,035	19,910													
Roofing and sheet metal work.....		5,363													
Sheet metal work.....		5,363													
NEW BEDFORD	20,090	12,202	¹² 82,467			100	200								3,587
General contractors.....			400			100	200								3,587
Building.....			400			100	200								3,587
Building not specialized.....			400			100	200								2,600
Manufacturing building only.....															880
Residential building only.....															107
Subcontractors.....	20,090	12,202	82,467												
Electrical.....			82,467												
Heating and plumbing.....	20,090	12,202													
Heating and piping.....	12,528														
Plumbing.....	7,562	12,202													
SOMERVILLE	33,118	74,201	1,121		800	200		1,000							300
Operative builders.....		1,390	1,121												300
General contractors.....					800	200		1,000							
Central station, light and power plant.....					800	200		1,000							
Subcontractors.....	33,118	72,811													
Heating and plumbing.....	33,118	72,811													
Heating and piping.....	11,950														
Plumbing.....	21,168	72,811													

See footnotes at end of table.

CONSTRUCTION—MASSACHUSETTS

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

CLASSIFICATION OF ESTABLISHMENTS	Heating and ventilating equipment	Plumbing and gas-fitting equipment	Electrical appliances and supplies	Elevators, dumb-waiters, etc.	Pipe: Drain tile, vitrified, concrete, etc.	Pipe: Cast iron, sheet and tube steel, etc.	Wire cable, guards, and fencing	Bituminous paving materials	Wood piling and timber	Ready mixed concrete	Machinery	Freight, hauling or trucking to job	Metal products, n. e. s.	Mineral products (non-metallic) n. e. s.	Miscellaneous ¹¹
SPRINGFIELD	\$332,682	\$204,288	\$297,008		\$620	\$58,368	\$1,105	\$160				\$1,334	\$1,323	\$843	\$4,698
Operative builders.....															
General contractors.....	70	5,760	7,905		620	12,877	1,105	160				1,334	1,323	843	1,362
Building.....		5,720	7,905			12,397	175					1,334	457		313
Building not specialized.....		5,720	7,905			12,397	175					1,334	457		313
Residential building only.....															
Bridge and culvert.....	70	40			170	480	130	160					868		
Grading.....					460									843	1,049
Central station, light and power plant.....							800								
Subcontractors.....	332,612	198,528	289,101			40,486									3,174
Electrical.....			289,047			8,943									
Heating and plumbing.....	330,612	198,528				31,543									
Heating and piping.....	293,029	25,000				25,000									
Plumbing.....	36,983	173,528				6,543									
Masonry.....			54												
Painting and decorating.....															
Plastering and lathing.....															3,174
Roofing and sheet metal work.....	2,000														
Sheet metal work.....	2,000														
WORCESTER	149,658	79,356	188,098	\$1,583	21,222	22,656	1,987	21,695				270		2,300	6,088
General contractors.....	69,171	22,475	9,041	1,583	21,222	22,656	1,987	20,353				270			2,206
Building.....	69,171	22,475	9,041	1,583	14,835	21,150	1,987	9,812				270			2,206
Building not specialized.....	69,171	22,475	9,041	1,583	14,835	21,119	1,787	9,812				270			2,206
Residential building only.....						37	200								
Highway.....					887			11,041							
Sewer, gas, water, conduit.....					5,500	1,500									
Subcontractors.....	80,487	56,881	178,455					1,342						2,300	3,862
Electrical.....			178,455												
Heating and plumbing.....	78,487	56,881													
Heating and piping.....	70,487	10,340													
Plumbing.....	8,000	46,541													
Masonry.....														2,300	3,862
Roofing and sheet metal work.....	2,000														
Sheet metal work.....	2,000														
Excavating.....								1,342							

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

- ¹ Sewer, gas, water, conduit, \$1,323,400.
- ² Commercial building only, \$12,000; and residential building only, \$20,000.
- ³ Plumbing and heating combined, \$60,280.
- ⁴ Steel erection, \$45,000; and marble and tiling, \$10,001.
- ⁵ Sewer, gas, water, conduit, \$18,838.
- ⁶ Plumbing and heating combined, \$105,337.
- ⁷ Marble and tiling, \$50,788.
- ⁸ Plumbing and heating combined, \$20,000.
- ⁹ Ornamental iron work, \$96,275.
- ¹⁰ Plumbing and heating combined, \$105,951.
- ¹¹ See footnote 5, end of table 9, on p. 579.
- ¹² See footnote 6, end of table 9, on p. 579.
- ¹³ Includes reported cost of chemicals and chemical products, sealing materials and textiles, and caulking. For total cost of these items see table 9.

CONSTRUCTION—MASSACHUSETTS

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	MASSACHUSETTS 1930 population, 4,249,614								BOSTON 1930 population, 781,188			CAMBRIDGE 1930 population, 118,643		
	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	Number	Per cent	Number of reporting establishments	Per cent of active	Amount	Average per establishment		Number of reporting establishments	Amount		Number of reporting establishments	Amount
Total establishments canvassed (under \$25,000).....	5,342	87	5,255		781				1,082			117		
Total establishments, type of work unknown.....	77	1	76		8	10.4	\$70,623	\$8,828	3			117		
Total general and subcontractors classified.....	5,265	186	5,179	100.0	773				1,079					
Total general contractors classified.....	1,180	34	1,146	22.1	138	12.0	1,525,818	11,057	197	18	\$176,927	17	3	\$60,536
Building.....	1,082	30	1,052	20.3	127	12.1	1,882,152	10,883	178	17	160,427	17	3	60,536
Highway.....	87	4	83	1.6	6	7.2	73,047	12,175	16					
Sewer, gas, water, conduit.....	6		6	.1	2	33.3	18,000	9,000	3	1	16,500			
Dam and reservoir.....	1		1	(¹)	1	100.0	22,619	22,619						
Foundation.....	4		4	.1	2	50.0	30,000	15,000						
Total subcontractors classified.....	4,085	52	4,033	77.9	635	15.7	5,000,130	8,819	882	115	1,049,894	100	11	115,688
Plumbing and heating.....	1,076	6	1,070	20.7	180	16.8	1,730,848	9,616	193	27	265,857	33	7	44,047
Painting and decorating.....	773	5	768	14.8	130	16.9	983,322	7,564	169	26	236,130	21		
Electrical.....	848	22	826	15.9	120	14.5	994,830	8,200	176	29	203,621	18		
Carpentering.....	411	12	399	7.7	61	15.3	550,633	9,027	78	9	74,254	7	1	22,500
Sheet metal and roofing.....	335		335	6.5	57	17.0	502,146	9,862	110	10	118,358	12	3	40,141
Masonry.....	219	6	213	4.1	35	16.4	254,832	7,281	13	2	36,850	5		
Heating and ventilating.....	142		142	2.7	16	11.3	179,132	11,196	64	7	70,428	2		
Ornamental iron.....	40		40	.8					19			3		
Plastering.....	64		64	1.2	8	12.5	52,341	6,543	21	2	7,500	2		
Cut stone.....	7		7	.1										
Excavating and grading.....	4		4	.1										
Glass and glazing.....	56		56	1.1	5	8.9	65,715	13,143	19	2	26,896	1		
Concreting.....	45		45	.9	13	28.9	113,277	8,714	1					
Marble and tiling.....	43	1	42	.8	9	21.4	100,554	11,173	15	1	10,000	1		
Wrecking.....	19		19	.4					4					
Steel erection.....	1		1	(¹)	1	100.0	12,500	12,500						
Elevators.....	2		2	(¹)										

TYPES OF WORK	FALL RIVER 1930 population, 115,274			LOWELL 1930 population, 100,234			LYNN 1930 population, 102,320			NEW BEDFORD 1930 population, 112,597		
	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 (under \$25,000).....	103			86			218			125		
Total establishments, type of work unknown.....							11			11		
Total general and subcontractors classified.....	103			86			216			114		
Total general contractors classified.....	23	3	\$27,343	20	3	\$46,867	27			9	2	\$29,889
Building.....	22	3	27,343	17	3	46,867	26			9	2	29,889
Highway.....	1			3			1					
Sewer, gas, water, conduit.....												
Dam and reservoir.....												
Foundation.....												
Total subcontractors classified.....	80	17	109,788	66	9	100,503	189	21	\$185,455	105	24	256,381
Plumbing and heating.....	29	7	84,093	23	4	45,279	32	3	48,900	43	10	85,430
Painting and decorating.....	18	4	29,184	9	2	9,459	50	8	63,999	21	4	51,404
Electrical.....	17	2	14,007	16			16	1	4,000	17	5	61,256
Carpentering.....	5	1	16,894				54	5	46,000	1	1	5,263
Sheet metal and roofing.....	18	3	15,700	8	2	37,765	9			11	2	23,737
Masonry.....							18	2	9,500	2	2	20,282
Heating and ventilating.....	1			1			1			3		
Ornamental iron.....				1			1					
Plastering.....				1			1	1	6,000	1		
Cut stone.....												
Excavating and grading.....				1								
Glass and glazing.....	2			3	1	8,000	2	1	7,056	1		
Concreting.....				2			1					
Marble and tiling.....							1					
Wrecking.....				1			1			2		
Steel erection.....												
Elevators.....							2					

¹ Of the 86 inactive establishments, 13 are in Boston, 6 in Cambridge, 1 in New Bedford, 5 in Somerville, 2 in Springfield, 1 in Worcester, and 58 in the remainder of the State.
¹ Less than one-tenth of 1 per cent.

CONSTRUCTION—MASSACHUSETTS

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	SOMERVILLE 1930 population, 103,908			SPRINGFIELD 1930 population, 149,900			WORCESTER 1930 population, 195,311			REMAINDER OF STATE 1930 population, 2,475,239		
	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 (under \$25,000)	104			192			159			3,069		
Total establishments, type of work unknown										60	8	\$70,623
Total general and subcontractors classified	104			192			159			3,009		
Total general contractors classified	14	1	\$2,300	71	6	\$58,500	40	5	\$59,100	728	97	1,054,296
Building	13	1	2,300	70	6	58,500	36	5	59,100	664	87	937,130
Highway	1			1			3			57	6	73,047
Sewer, gas, water, conduit							1			2	1	1,500
Dam and reservoir										1	1	22,619
Foundation										4	2	30,000
Total subcontractors classified	90	13	165,605	121	16	107,040	110	27	311,382	2,281	382	3,198,335
Plumbing and heating	19	3	45,889	32			36	10	110,000	630	109	1,051,404
Painting and decorating	23	4	25,800	18	2	24,947	13	3	33,749	431	77	508,080
Electrical	17	3	40,700	25	4	33,360	23	5	69,004	506	71	507,982
Carpentering	5			4						245	44	385,722
Sheet metal and roofing	13	1	22,000	25	9	42,919	10	4	20,500	115	23	223,025
Masonry	2			1			1	1	9,000	171	28	170,200
Heating and ventilating	4			5	1	5,823	12	1	18,392	40	7	84,490
Ornamental iron										7		
Plastering	2	1	18,710	4						36	4	20,125
Cut stone										7		
Excavating and grading										3		
Glass and glazing				3						21	1	23,703
Concreting										2		
Marble and tiling	3			3						39	18	113,277
Wrecking	1			1						12	5	40,717
Steel erection	1	1	12,500							9		
Elevators												

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	Under \$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
MASSACHUSETTS											
Total general and subcontractors	781	108	135	144	78	101	40	48	43	52	32
General contractors	138	17	11	23	19	16	10	14	3	16	9
Subcontractors	635	88	123	121	58	84	30	34	40	35	22
Type of contracting unknown	8	3	1		1	1				1	1