

UNITED STATES SUMMARY

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CONSTRUCTION—UNITED STATES SUMMARY

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

[Values expressed in thousands]

CLASSIFICATION OF ESTABLISHMENTS AND SIZE OF BUSINESS GROUPS	Number of establishments	VALUE OF CONSTRUCTION BUSINESS			PRINCIPAL EXPENDITURES*			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
All classes of establishments	30,697	\$8,250,207	\$4,911,766	\$1,338,501	\$1,455,494	\$1,437,542	\$2,055,595	2,780	\$474,849	\$392,224	\$82,625	\$104,657	\$130,650	\$144,376
<i>Classification of establishments</i>														
Operative builders	760	153,524	153,519	5	103,142	13,146	22,602	61	5,240	5,240		2,454	761	1,319
General contractors	14,766	4,217,367	4,171,886	45,480	1,290,878	914,112	1,183,087	1,276	338,390	336,118	2,278	98,785	90,868	85,439
Building	10,131	2,622,047	2,611,366	10,681	1,124,702	502,676	652,167	1,005	211,769	211,246	523	71,184	54,558	50,233
Building not specialized	7,092	2,149,941	2,139,919	10,022	919,417	424,770	527,438	696	182,052	181,530	522	61,814	47,277	47,303
Commercial building only	539	132,627	132,473	154	67,126	23,702	25,284	46	6,774	6,773	1	2,109	1,683	1,880
Manufacturing building only	75	93,828	93,815	13	32,185	12,463	34,580	7	1,670	1,670		577	395	498
Residential building only	2,455	245,051	245,159	492	105,974	41,730	64,855	256	21,273	21,273		0,624	5,203	6,551
Highway	1,514	443,064	436,443	6,621	43,789	102,294	165,341	88	31,739	31,202	537	1,879	10,061	9,227
Bridge and culvert	475	137,206	129,086	8,120	11,893	35,590	55,658	33	5,852	5,342	510	288	1,914	2,385
Grading	398	47,733	45,897	1,836	4,400	10,399	3,532	36	3,722	3,006	116	99	1,035	500
Street paving	984	282,700	270,319	6,441	25,230	61,282	109,106	33	7,430	7,260	170	545	2,067	2,227
Sewer, gas, water, conduit	494	115,153	113,352	1,801	5,950	36,056	41,011	25	3,056	3,038	18	27	1,463	631
Dam and reservoir	87	28,483	28,003	480	2,351	8,280	8,229	7	3,076	2,871	205	38	1,302	561
Waterworks	105	44,210	43,510	700	2,684	11,001	17,857	6	542	542		11	139	215
Dredging, river, harbor, etc.	103	104,463	100,856	3,607	7,719	28,423	20,732	17	4,554	4,428	126	469	1,517	1,000
Levee	34	5,631	5,519	112	631	1,490	302							
Railroad	137	105,302	103,026	2,276	12,815	34,840	24,177	2						
Foundation	50	8,282	8,057	225	988	2,475	2,695	11	3,426	3,366	60	110	1,330	953
Central station, light and power plant	86	168,100	157,067	493	35,463	37,491	55,678	10	62,980	62,980		24,124	14,717	11,342
Air transport work	7	2,416	2,317	99	250	860	666	1	(1)	(1)	(1)	(1)	(1)	(1)
Refuse disposal plant	7	1,721	1,721		193	527	445							
Oil and natural gas pipe line	22	29,507	29,493	14	2,337	9,370	8,178							
Subway (other than buildings)	24	71,818	69,888	1,930	5,782	22,451	21,013							
Vehicular subway and tunnel	3	3,772	3,772		3,025	130	138							
Telephone line and system	9							2	(1)	(1)			(1)	(1)
Radio tower, etc.	1	5,630	5,595	44	167	1,872	1,642							
Miscellaneous	1													
Subcontractors	15,981	1,879,376	586,301	1,293,015	61,474	540,234	844,306	1,443	131,213	50,866	80,347	3,418	39,021	57,618
Carpentering and wood flooring	382	36,611	10,359	26,252	2,600	11,160	14,823	20	1,252	562	690	105	382	497
Concreting	477	66,312	13,716	52,596	2,468	23,740	23,117	34	3,096	903	2,133	217	1,189	842
Electrical	1,923	198,487	78,531	119,956	1,509	61,033	87,768	212	15,880	6,580	9,294	12	5,195	6,084
Elevator construction	129	77,376	12,469	64,907	1,727	13,048	50,697	11	4,137	1,145	2,992	211	698	2,489
Heating and plumbing	5,583	611,886	237,782	374,104	18,298	148,602	319,123	643	54,654	25,540	29,114	1,775	18,253	28,223
Heating and piping	1,423	221,996	93,087	128,909	11,291	48,616	116,004	188						
Pipe covering	61	12,704	2,210	10,485	159	4,209	4,815	2	23,113	10,889	12,224	1,462	4,870	11,959
Plumbing	2,808	266,834	80,209	176,625	4,382	66,393	135,603	279	18,481	7,294	11,187	179	4,940	9,533
Plumbing and heating combined	1,218	93,738	44,937	48,801	1,047	22,922	48,754	108	11,352	5,785	5,567	113	2,000	5,822
Automatic temperature control	23	4,561		4,561	3	1,104	1,572	1						
Automatic sprinkler systems	50	22,054	17,330	4,724	560	5,359	12,380	5	1,759	187		21	436	914
Masonry	973	85,023	24,508	60,515	2,034	32,749	34,191	53	2,826	1,273	1,553	153	1,172	931
Painting and decorating	1,102	83,899	26,868	57,041	2,020	43,504	17,023	129	8,766	3,258	5,513	18	4,815	1,604
Glass and glazing	154	16,653	2,060	13,993	286	3,063	8,888	14	927	355	572	3	236	419
Plastering and lathing	623	83,313	6,984	76,329	4,633	42,712	21,749	40	3,657	265	3,392	275	1,848	974
Roofing and sheet-metal work	1,697	145,005	39,388	105,707	2,379	37,302	64,118	145	11,381	3,476	7,905	341	3,047	5,054
Roofing	883	75,055	27,207	47,848	1,012	17,077	33,871	73	4,750	2,315	2,435	220	1,152	1,914
Sheet-metal work	535	44,300	7,465	36,834	820	12,005	19,110	41	3,904	772	3,222	97	1,057	1,993
Roofing and sheet metal combined	279	25,730	4,725	21,005	547	7,319	11,137	31	2,688	389	2,299	24	838	1,148
Steel erection	300	135,716	56,914	78,802	10,498	25,285	71,285	18	5,599	1,631	3,968	83	1,103	2,661
Stonework	173	27,085	2,913	24,172	1,196	9,205	6,685	8	1,410		1,410	11	681	216
Marble and tiling	851	112,950	14,417	98,533	1,372	34,213	60,620	49	6,779	1,220	5,559	140	1,985	3,167
Wrecking	44	3,816	152	3,664	50	2,045	26	9	902		902	5	436	1
Excavating	293	39,813	7,049	32,764	2,668	14,269	2,025	17	1,523	224	1,299	15	551	117
Ornamental iron	227	36,077	2,396	33,681	1,256	6,696	17,811	19	2,000	185	1,815	48	431	1,041
Highway	26	4,174		3,795	65	974	1,543							
Bridge and culvert	14	1,496	210	1,286	88	534	513							
Grading	59	5,630	1,094	4,542	285	2,014	238	6	269	20	240		129	
Street paving	18	3,324	479	2,845	31	987	1,212	1	(1)	(1)			(1)	(1)
Sewer, gas, water, conduit	14	5,480	4,147	1,333	25	2,085	1,724	1	(1)	(1)			(1)	(1)

See footnotes at end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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

[Values expressed in thousands]

CLASSIFICATION OF ESTABLISHMENTS AND SIZE OF BUSINESS GROUPS	Number of establishments	VALUE OF CONSTRUCTION BUSINESS			PRINCIPAL EXPENDITURES			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
MIDDLE ATLANTIC—Continued						EAST NORTH CENTRAL—Continued								
<i>Classification of establishments—Continued</i>														
Subcontractors.....	4, 600	\$705, 162	\$212, 223	\$492, 029	\$34, 540	\$213, 494	\$501, 202	4, 118	\$537, 090	\$182, 140	\$354, 950	\$12, 680	\$156, 050	\$240, 496
Carpentering and wood flooring.....	171	18, 050	6, 087	12, 563	1, 858	5, 971	6, 575	112	10, 506	2, 655	7, 851	425	3, 021	5, 110
Concrete.....	137	30, 449	5, 241	25, 208	1, 121	11, 141	11, 189	137	15, 674	3, 302	12, 872	600	5, 772	4, 004
Electrical.....	401	08, 006	28, 231	39, 775	1, 193	23, 371	22, 312	515	57, 618	25, 735	31, 883	101	18, 175	24, 401
Elevator construction.....	46	34, 340	3, 900	30, 440	750	6, 598	22, 312	29	21, 485	5, 254	16, 231	303	2, 955	14, 093
Heating and plumbing.....	1, 721	213, 714	80, 170	127, 544	8, 570	53, 983	108, 224	1, 521	185, 630	71, 234	114, 405	4, 731	45, 459	97, 257
Heating and piping.....	425	72, 520	33, 044	38, 576	5, 535	10, 283	36, 181	443	83, 155	28, 536	54, 610	2, 976	18, 650	43, 868
Pipe covering.....	19	5, 958	796	5, 162	59	2, 025	2, 173	17	2, 648	284	2, 364	11	1, 054	991
Plumbing.....	854	95, 626	33, 092	62, 534	2, 236	25, 425	49, 524	720	63, 086	20, 030	43, 056	841	17, 142	33, 300
Plumbing and heating combined.....	400	30, 408	12, 489	17, 919	325	7, 768	15, 662	310	25, 409	14, 094	10, 415	810	6, 074	13, 251
Automatic temperature control.....	5	1, 430		1, 430	2	366	566	7	1, 787		1, 787	1	448	509
Automatic sprinkler systems.....	12	7, 718	5, 849	1, 869	413	2, 117	4, 118	15	8, 054	6, 790	2, 164	92	2, 092	5, 248
Masonry.....	239	33, 599	11, 807	21, 792	941	14, 052	12, 830	205	28, 620	9, 212	19, 414	1, 252	10, 039	11, 045
Painting and decorating.....	350	28, 515	7, 352	21, 163	653	13, 995	6, 173	313	27, 481	10, 891	16, 000	95	14, 807	5, 398
Glass and glazing.....	46	5, 094	1, 071	4, 023	28	954	2, 430	43	4, 292	3, 043	3, 043	173	900	2, 198
Plastering and lathing.....	148	31, 955	2, 500	29, 365	2, 313	17, 593	6, 757	213	27, 227	3, 009	24, 128	1, 154	13, 856	7, 492
Roofing and sheet-metal work.....	471	44, 192	11, 910	32, 282	1, 224	12, 106	18, 423	403	45, 204	14, 553	30, 651	452	11, 817	19, 154
Roofing.....	211	20, 289	8, 056	12, 233	501	5, 128	8, 061	256	23, 241	9, 229	14, 012	147	5, 203	9, 818
Sheet-metal work.....	144	13, 459	1, 558	11, 901	421	4, 022	5, 428	167	13, 864	3, 904	9, 900	105	4, 121	5, 939
Roofing and sheet metal combined.....	116	10, 444	2, 298	8, 148	302	2, 957	4, 337	70	8, 090	1, 420	6, 670	200	2, 403	3, 396
Steel erection.....	133	61, 745	26, 021	35, 725	7, 205	12, 137	30, 209	68	27, 537	9, 736	17, 801	809	6, 231	12, 300
Stonework.....	60	13, 198	1, 589	11, 609	824	4, 559	4, 747	46	5, 162	0, 400	5, 522	177	1, 801	2, 286
Marble and tiling.....	278	42, 036	5, 135	36, 901	696	13, 840	17, 846	198	29, 458	4, 471	20, 987	154	8, 214	10, 926
Wrecking.....	17	1, 524	134	1, 390	13	971	1, 321	13	1, 129	14	1, 115	31	625	7
Excavating.....	92	16, 556	1, 072	15, 480	1, 532	6, 338	9, 971	23	6, 549	1, 114	5, 435	230	2, 173	109
Ornamental iron.....	130	19, 184	1, 483	17, 701	1, 029	3, 130	9, 395	23	8, 246	143	8, 103	118	1, 703	3, 903
Highway.....	8	1, 310	93	1, 226	39	393	438	4	712	16	696	62	240	235
Bridge and culvert.....	1							4	1, 373	157	1, 216	35	496	93
Grading.....	14	1, 829	835	994	164	698	81	16	2, 311	148	2, 163		997	876
Street paving.....	2	(1)		(1)		(1)	(1)	9	467	158	300		25	166
Sewer, gas, water, conduit, Dam and reservoir.....	5	574	166	408		193	208	4						
Waterworks.....	1							1	(1)		(1)		(1)	(1)
Dredging, river, harbor, etc.....	3	1, 142	191	951	10	290	346	1	(1)	284	(1)	5	550	304
Soundproofing.....	8	2, 606	200	2, 406	45	478	1, 432	10	1, 042	66	1, 096	146	553	416
Foundation.....	11	19, 903	4, 624	15, 279	3, 690	5, 891	5, 329	5	1, 762	(1)			(1)	(1)
Power plant.....	41	10, 362	5, 430	4, 832	381	3, 264	4, 469	34	23, 522	16, 721	7, 801	1, 343	4, 837	13, 586
Metal work, n. e. s.....	4	237	49	188		102	24	8	1, 705	1, 005	700	100	670	42
Rental of equipment, trucking, etc.....	30	4, 198	735	3, 463	106	1, 384	1, 627	17	3, 344	1, 787	1, 557	3	626	1, 841
Flooring, n. e. s.....	1	(1)	(1)	(1)		(1)	(1)							
Miscellaneous.....	1	(1)	(1)	(1)		(1)	(1)							
<i>Size of business groups</i>														
General contractors ²	3, 877	1, 514, 675	1, 497, 225	17, 450	576, 315	305, 954	357, 049	3, 816	1, 091, 501	1, 019, 968	11, 532	331, 241	218, 066	302, 232
\$25,000 to \$49,999.....	797	30, 643	30, 209	434	7, 232	7, 695	10, 004	309	33, 573	33, 002	571	7, 940	7, 066	11, 775
\$50,000 to \$99,999.....	914	65, 940	64, 665	1, 275	18, 133	15, 632	19, 962	1, 015	71, 527	70, 631	896	13, 225	16, 033	23, 624
\$100,000 to \$199,999.....	851	119, 352	117, 945	1, 407	37, 369	27, 422	30, 846	826	117, 468	115, 830	1, 438	30, 485	24, 994	38, 284
\$200,000 to \$499,999.....	741	235, 509	232, 832	2, 626	70, 330	54, 261	62, 832	806	204, 540	201, 011	3, 629	51, 450	44, 532	66, 940
\$500,000 to \$999,999.....	323	219, 605	218, 017	1, 583	80, 076	45, 013	52, 035	241	164, 552	162, 670	1, 882	42, 760	38, 786	51, 131
\$1,000,000 and over.....	251	843, 030	835, 508	10, 121	362, 575	155, 882	181, 971	169	439, 842	435, 925	3, 917	180, 372	85, 757	110, 470
Building contractors ²	2, 910	1, 040, 784	1, 036, 637	4, 147	538, 789	172, 948	197, 927	2, 604	692, 021	689, 022	2, 999	296, 454	134, 671	176, 501
\$25,000 to \$49,999.....	696	26, 015	25, 635	380	7, 126	6, 101	8, 620	681	24, 883	24, 618	265	7, 594	5, 431	8, 702
\$50,000 to \$99,999.....	746	59, 840	53, 008	637	17, 713	11, 943	15, 803	730	50, 834	50, 396	438	17, 247	10, 368	16, 462
\$100,000 to \$199,999.....	635	88, 375	87, 732	643	35, 479	18, 151	20, 843	553	78, 247	77, 500	657	28, 039	15, 203	23, 700
\$200,000 to \$499,999.....	466	145, 927	144, 939	938	65, 931	28, 935	30, 683	383	116, 801	115, 898	903	43, 677	24, 003	32, 866
\$500,000 to \$999,999.....	211	143, 407	142, 755	652	74, 287	24, 762	26, 274	139	95, 555	94, 905	650	36, 941	21, 423	25, 528
\$1,000,000 and over.....	157	583, 220	582, 523	697	398, 253	82, 966	95, 694	116	325, 701	325, 615	86	162, 356	58, 244	69, 243
Subcontractors.....	4, 669	705, 152	212, 223	492, 929	34, 540	213, 494	301, 202	4, 118	537, 090	182, 140	354, 950	12, 680	156, 050	240, 496
\$25,000 to \$49,999.....	1, 809	65, 369	22, 662	42, 407	846	20, 250	26, 038	1, 663	99, 370	20, 154	39, 216	621	18, 511	24, 826
\$50,000 to \$99,999.....	1, 368	95, 924	31, 509	64, 415	1, 752	30, 094	38, 629	1, 201	83, 076	29, 390	53, 686	1, 494	26, 141	34, 729
\$100,000 to \$199,999.....	787	109, 571	30, 650	78, 921	3, 546	33, 420	46, 574	712	98, 587	32, 734	65, 853	1, 077	30, 730	41, 160
\$200,000 to \$499,999.....	495	160, 083	45, 712	104, 371	7, 519	45, 960	62, 320	391	114, 783	38, 740	76, 043	3, 185	35, 611	40, 336
\$500,000 to \$999,999.....	127	85, 979	24, 330	61, 590	3, 024	20, 485	35, 663	106	70, 670	20, 804	49, 866	2, 508	20, 116	31, 362
\$1,000,000 and over.....	83	198, 223	57, 000	141, 224	17, 253	54, 287	91, 947	45	110, 605	40, 318	70, 287	2, 001	25, 542	59, 086

See footnotes at end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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

[Values expressed in thousands]

CLASSIFICATION OF ESTABLISHMENTS AND SIZE OF BUSINESS GROUPS	Number of establishments	VALUE OF CONSTRUCTION BUSINESS					PRINCIPAL EXPENDITURES					Number of establishments	VALUE OF CONSTRUCTION BUSINESS					PRINCIPAL EXPENDITURES				
		Total	Under general contract or directly for owner	Under sub-contract	Sub-contract work let	Wages paid	Cost of materials	Total	Under general contract or directly for owner	Under sub-contract	Sub-contract work let		Wages paid	Cost of materials	Total	Under general contract or directly for owner	Under sub-contract	Sub-contract work let	Wages paid	Cost of materials		
																					WEST NORTH CENTRAL					SOUTH ATLANTIC
All classes of establishments	2,490	\$438,500	\$369,186	\$69,406	\$71,046	\$104,014	\$180,143	2,184	\$439,732	\$347,907	\$91,825	\$101,494	\$95,665	\$152,128								
<i>Classification of establishments</i>																						
Operative builders	51	0,730	0,730		4,005	1,868	2,650	76	22,817	22,817		11,152	3,424	4,721								
General contractors	1,425	330,269	327,302	2,963	64,323	76,363	113,211	1,150	301,270	297,943	3,327	88,045	61,427	80,879								
Building	817	153,307	152,500	747	47,040	31,673	52,357	780	180,871	185,555	1,018	75,884	32,927	53,087								
Building not specialized	620	130,144	129,708	436	36,952	27,387	43,990	591	158,080	167,064	1,016	64,765	28,093	43,485								
Commercial building only	60	10,415	10,415		2,868	1,896	4,125	35	12,800	12,800		5,154	1,652	4,887								
Manufacturing building only	5	1,149	1,149		147	295	507	2				5,065	2,582	4,695								
Residential building only	120	11,599	11,288	311	4,073	2,094	23,016	168	15,001	15,001		447	3,092	10,203								
Highway	191	60,217	59,811	406	7,874	12,003	23,016	145	46,404	46,047		1,906	3,592	5,040								
Bridges and culvert	98	22,098	21,739	359	469	6,034	9,430	47	14,000	14,102		583	1,000	1,500								
Grading	103	12,069	12,107	592	1,958	4,421	701	32	4,110	3,870		216	162	1,500								
Street paving	109	18,399	18,109	290	752	3,672	8,189	67	14,100	13,775		325	2,019	3,468								
Sewer, gas, water, conduit	34	5,003	5,000	3	150	1,542	2,053	24	3,950	3,801		65	180	1,211								
Dam and reservoir	11	3,289	3,236	53	502	737	1,212	3	1,121	1,121		0	49	436								
Waterworks	8	3,081	2,031	400	182	610	1,381	8	1,099	1,099		590	560	2,764								
Dredging, river, harbor, etc.	10	6,791	6,681	110	317	1,041	1,771	23	11,400	10,804		590	560	2,764								
Levee	7	1,072	1,045	27	149	360	10	1	(1)	(1)		3,112	4,332	2,880								
Railroad	15	28,467	28,462	5	3,023	9,386	5,207	18	15,455	15,455		16	116	76								
Foundation	2	(1)	(1)	(1)	(1)	(1)	(1)	3	324	308												
Central station, light and power plant	13	5,925	5,925		52	1,532	2,086	3	1,244	1,223		21	93	330								
Air transport work	1	(1)	(1)		(1)	(1)	(1)															
Refuse disposal plant	1	(1)	(1)		(1)	(1)	(1)															
Oil and natural gas pipe line	3	8,919	8,919		1,233	1,683	4,762															
Telephone line and system	2	(1)	(1)	(1)	(1)	(1)	(1)															
Subcontractors	1,014	98,586	32,147	66,438	2,718	26,093	44,282	950	115,045	27,147	88,498	2,297	30,814	57,529								
Carpentering and wood flooring	9	547	186	361	10	180	218	6	463	26	437		106	144								
Concreting	47	0,170	1,618	4,001	81	2,078	2,052	29	4,082	803	3,278	213	1,387	1,488								
Electrical	139	10,365	4,060	6,305	18	3,060	4,702	121	12,003	2,783	9,220	0	3,207	6,026								
Elevator construction	7	2,937	406	2,531		507	1,915	13	4,217	189	4,028	44	818	2,545								
Heating and plumbing	401	32,744	14,366	18,378	888	7,900	17,220	362	30,466	14,206	25,260	700	8,780	21,698								
Heating and piping	93	8,917	5,205	3,712	471	1,805	4,996	103	17,824	8,155	9,669	202	3,382	10,205								
Pipe covering	7	1,548	583	965	85	425	517	3	477	204	273	4	153	202								
Plumbing	178	13,180	3,840	9,340	150	3,315	6,061	184	15,494	3,111	12,383	234	3,093	8,296								
Plumbing and heating combined	119	8,141	4,218	3,923	101	1,850	4,365	69	4,770	2,054	2,722	227	1,103	2,446								
Automatic temperature control	3							2														
Automatic sprinkler systems	1	958	520	438	12	242	380	1	895	622	273	0	150	550								
Masonry	25	3,845	427	3,418	28	1,440	1,655	46	7,870	482	7,387	166	2,070	3,485								
Painting and decorating	60	3,874	1,354	2,520	40	2,071	817	55	3,570	1,074	2,502	31	1,843	333								
Glass and glazing	7	986	250	736		232	455	4	573			38	64	324								
Plastering and lathing	28	2,202	118	2,084	59	1,050	635	33	3,220	153	3,067	38	1,003	1,055								
Roofing and sheet-metal work	124	8,186	2,756	5,430	54	1,939	3,695	124	10,327	1,196	9,131	61	2,500	4,986								
Roofing	75	4,980	2,303	2,677	60	1,020	2,306	77	6,602	773	5,729	25	1,533	3,190								
Sheet-metal work	35	2,310	283	2,027	14	919	1,389	28	2,692	205	1,987	20	636	938								
Roofing and sheet metal combined	14	866	170	726		242	443	19	1,733	218	1,515	16	420	858								
Steel erection	11	4,909	1,097	3,872	599	653	2,334	15	6,745	4,565	2,180	517	867	4,901								
Stonework	9	1,220	118	1,102		320	632	18	3,101	316	2,785	84	1,286	999								
Marble and tiling	62	5,627	605	4,932	13	1,078	2,412	73	8,965	300	8,665	110	2,404	4,478								
Excavating	30	3,653	910	2,743	270	1,104	78	23	3,138	503	2,635	187	1,124	1,911								
Ornamental iron	8	2,440	27	2,413	5	338	1,620	7	454			2	101	199								
Highway	4	1,185	32	1,153	1	282	413	5	773	222	551	13	161	823								
Bridges and culvert	3	442	172	270	17	190	148	2					92	2								
Grading	10	798	16	782	78	271		3	215	21	194	4										
Sewer, gas, water, conduit	1	(1)	(1)	(1)		(1)	(1)	3	(1)	(1)	(1)		(1)	(1)								
Dredging, river, harbor, etc.	1	(1)	(1)	(1)		(1)	(1)	1	(1)	(1)	(1)		(1)	(1)								
Soundproofing	1	(1)	222	712	230	204	242		(1)	(1)	(1)		(1)	(1)								
Railroad	3	934	(1)	(1)		(1)	(1)	1	(1)	(1)	(1)		(1)	(1)								
Foundation	1	(1)	(1)	(1)		(1)	(1)		(1)	(1)	(1)		(1)	(1)								
Power plant	1	(1)	(1)	(1)		(1)	(1)		(1)	(1)	(1)		(1)	(1)								
Metal work, n. e. s.	18	4,238	2,766	1,472	175	798	2,282	0	4,564	215	4,339	14	657	3,145								
Rental of equipment, trucking, etc.	1	(1)	(1)	(1)		(1)	(1)	1	(1)	(1)	(1)		(1)	(1)								
Flooring, n. e. s.	4	248	(1)	23	225	85	79	4	341	15	326		70	198								
Miscellaneous	1	(1)	(1)	(1)		(1)	(1)		(1)	(1)	(1)		(1)	(1)								
<i>Size of business groups</i>																						
General contractors ¹	1,470	340,005	337,038	2,967	68,328	78,221	115,861	1,225	324,087	320,760	3,327	99,197	64,852	94,600								
\$25,000 to \$49,999	383	13,875	13,780	95	1,988	3,641	5,186	261	9,340	9,257	83	1,872	2,319	3,299								
\$50,000 to \$99,999	419	29,318	28,794	524	5,245	7,212	10,332	332	23,325	23,073	252	5,613	5,470	7,650								
\$100,000 to \$199,999	292																					

CONSTRUCTION—UNITED STATES SUMMARY

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

[Values expressed in thousands]

CLASSIFICATION OF ESTABLISHMENTS AND SIZE OF BUSINESS GROUPS	Number of establishments	VALUE OF CONSTRUCTION BUSINESS			PRINCIPAL EXPENDITURES			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						
EAST SOUTH CENTRAL—Continued														WEST SOUTH CENTRAL—Continued						
<i>Classification of establishments—Continued</i>														<i>Classification of establishments—Continued</i>						
<i>Subcontractors—Continued.</i>														<i>Subcontractors—Continued.</i>						
Waterworks.....	1	(1)	(1)	(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Soundproofing.....	1	(1)	(1)	(1)	(1)	(1)	(1)	2	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Foundation.....	1	(1)	(1)	(1)	(1)	(1)	(1)	13	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Metal work, n. e. s.....	2	\$176		\$176		\$30	\$92	1	\$7,052	\$5,532	\$1,520	\$22	\$1,266	\$4,423						
Pipe line.....	1							2	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Rental of equipment, trucking, etc.....	1	(1)	(1)	(1)	(1)	(1)	(1)	2	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Flooring, n. e. s.....	1	(1)	(1)	(1)	(1)	(1)	(1)	2	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Miscellaneous.....	1	(1)	(1)	(1)	(1)	(1)	(1)	2	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
<i>Size of business groups</i>														<i>Size of business groups</i>						
General contractors.....	520	122,778	\$121,664	1,114	\$27,025	25,401	41,655	658	241,279	238,917	2,362	50,135	53,582	83,976						
\$25,000 to \$49,999.....	102	3,814	3,804	10	711	1,270	907	231	8,450	8,423	27	1,316	2,041	3,712						
\$50,000 to \$99,999.....	103	11,638	11,430	202	2,499	2,838	3,029	226	15,931	15,759	172	2,911	3,567	6,250						
\$100,000 to \$199,999.....	111	15,742	15,471	271	2,980	3,632	5,482	199	28,195	27,975	220	6,485	6,283	9,099						
\$200,000 to \$499,999.....	102	32,334	32,165	169	7,306	6,766	10,112	186	57,296	56,633	763	10,660	13,444	20,557						
\$500,000 to \$999,999.....	34	23,054	22,960	64	5,477	4,443	6,105	70	54,144	53,680	564	9,722	12,085	20,820						
\$1,000,000 and over.....	17	36,166	35,828	368	8,052	6,685	13,956	37	77,263	76,647	610	19,051	16,173	22,939						
Building contractors.....	384	57,069	56,944	125	18,022	11,426	19,210	644	123,980	123,112	897	40,061	24,956	41,472						
\$25,000 to \$49,999.....	69	2,528	2,526	2	612	507	980	203	7,375	7,358	17	1,264	1,711	3,422						
\$50,000 to \$99,999.....	122	8,724	8,689	35	2,284	1,877	3,284	164	11,490	11,410	26	2,532	2,453	4,846						
\$100,000 to \$199,999.....	71	9,917	9,832	85	2,617	2,154	3,773	128	18,221	18,218	3	5,338	3,562	6,704						
\$200,000 to \$499,999.....	51	15,414	15,414		4,840	3,127	5,140	94	28,152	28,084	68	8,364	6,350	9,840						
\$500,000 to \$999,999.....	13	8,576	8,573	3	3,133	1,493	2,557	38	26,538	26,230	308	8,221	5,634	9,293						
\$1,000,000 and over.....	8	11,910	11,910		4,036	2,200	3,477	17	32,257	31,812	445	15,242	5,255	7,398						
Subcontractors.....	407	42,175	8,678	33,497	827	10,069	20,470	651	66,420	20,716	45,709	720	16,240	34,389						
\$25,000 to \$49,999.....	178	6,301	2,005	4,296	5	1,814	2,770	277	9,013	2,382	7,531	101	2,725	4,520						
\$50,000 to \$99,999.....	134	9,343	2,227	7,116	61	2,429	4,268	200	13,949	3,532	10,417	66	3,874	6,320						
\$100,000 to \$199,999.....	60	8,179	1,811	6,368	74	2,076	3,709	121	16,208	3,431	12,777	224	4,439	7,798						
\$200,000 to \$499,999.....	80	8,746	2,155	6,591	86	2,919	3,900	43	13,675	3,773	9,902	201	3,434	7,004						
\$500,000 to \$999,999.....	8	1,895	480	1,415	101	361	1,210	7	3,959	1,550	2,409	67	766	2,450						
\$1,000,000 and over.....	2	7,711		7,711	500	1,870	4,500	3	8,721	6,030	2,692	1	1,094	6,297						
MOUNTAIN														PACIFIC						
All classes of establishments.....	709	\$90,105	\$73,189	\$16,916	\$16,902	\$21,247	\$26,218	3,409	\$648,915	\$427,730	\$118,185	\$128,606	\$115,604	\$187,853						
<i>Classification of establishments</i>														<i>Classification of establishments</i>						
Operative builders.....	11	837	837		454	108	216	85	11,015	11,015		7,528	853	1,099						
General contractors.....	411	67,358	67,003	356	14,942	15,604	18,661	1,791	373,719	360,621	4,098	117,618	72,084	107,984						
Building.....	289	32,802	32,772	30	10,127	6,826	11,069	1,239	227,621	227,359	232	103,760	38,833	56,390						
Building not specialized.....	218	29,866	29,837	30	9,179	6,243	10,062	838	186,386	186,217	169	85,048	32,423	45,568						
Commercial building only.....	11	934	934		368	237	224	72	10,853	10,792	61	4,368	2,186	2,700						
Manufacturing building only.....	30	2,001	2,001		680	347	783	14	5,637	5,637		1,466	614	2,216						
Residential building only.....	64	12,478	12,336	142	1,942	3,178	2,652	315	24,744	24,742	2	12,878	3,910	5,846						
Highway.....	13	1,905	1,863	52	90	620	818	50	13,870	13,658	212	1,700	7,917	12,562						
Bridge and culvert.....	23	2,528	2,483	45	402	643	91	63	8,926	8,745	181	734	2,640	446						
Grading.....	24	6,556	6,543	13	250	1,487	2,274	134	47,061	46,810	1,842	4,381	9,396	10,534						
Street paving.....	10	986	861	125	107	180	379	84	8,136	7,880	249	781	1,855	3,442						
Sewer, gas, water, conduit.....	6	(1)	(1)	(1)	(1)	(1)	(1)	26	10,586	10,500	26	755	2,688	3,812						
Dam and reservoir.....	1	(1)	(1)	(1)	(1)	(1)	(1)	9	2,424	2,414	10	513	608	614						
Waterworks.....	4	1,103	1,103		100	504	7	31	11,600	11,172	488	888	3,158	3,275						
Dredging, river, harbor, etc.....	1	(1)	(1)	(1)	(1)	(1)	(1)	2	(1)	(1)	(1)	(1)	(1)	(1)						
Levee.....	3	5,824	5,824		1,046	1,500	96	8	1,638	1,585	48	43	540	854						
Railroad.....	1	(1)	(1)	(1)	(1)	(1)	(1)	5	291	284	7	12	80	131						
Foundation.....	1	(1)	(1)	(1)	(1)	(1)	(1)	15	8,582	3,270	312	105	750	2,013						
Central station, light and power plant.....	2	(1)	(1)	(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	(1)	(1)	(1)						
Air transport work.....	1	(1)	(1)	(1)	(1)	(1)	(1)	6	1,007	993	14	10	504	51						
Oil and natural gas pipe line.....	1	(1)	(1)	(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	(1)	(1)	(1)						
Vehicular subway and tunnel.....	1	(1)	(1)	(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	(1)	(1)	(1)						
Telephone line and system.....	1	(1)	(1)	(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	(1)	(1)	(1)						

See footnotes at end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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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—						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
	UNITED STATES						NEW ENGLAND					
All construction business	30,597	\$6,250,266,605	15,116	\$4,370,890,529	15,081	\$1,879,376,156	2,780	\$474,848,827	1,337	\$343,636,117	1,443	\$131,212,705
Distribution not reported	2,216	268,759,087	554	90,143,707	1,692	178,615,920	180	10,434,150	37	8,466,235	143	10,967,921
Distributed by class of ownership	28,381	5,981,506,978	14,962	4,280,746,762	13,419	1,700,760,216	2,600	455,414,066	1,300	335,109,382	1,300	120,244,784
Private	25,053	4,056,737,209	12,002	2,640,949,736	12,901	1,406,787,473	2,456	330,370,347	1,183	245,318,420	1,273	94,060,921
Quasi public or community	5,763	343,127,023	2,254	235,496,710	3,609	107,031,312	627	38,436,902	251	25,257,071	376	13,179,831
Public	10,704	1,581,642,741	6,344	1,395,301,310	4,420	186,341,431	850	77,598,147	430	64,594,336	414	13,004,032
Distribution not reported	993	92,771,377	602	73,309,536	401	19,401,841	65	3,519,053	24	2,283,062	41	1,280,891
Distributed by class of public ownership	9,771	1,488,871,364	5,842	1,321,901,774	3,920	100,870,500	785	74,078,464	412	62,311,323	373	11,787,141
Federal	1,271	113,243,532	618	98,816,571	653	14,420,961	92	2,534,607	40	2,030,529	62	504,073
State	3,694	468,280,407	2,836	425,430,615	1,203	42,840,702	284	35,958,382	174	30,657,414	110	5,300,003
County or township	3,747	238,078,660	2,182	209,160,162	1,606	28,912,504	232	8,086,023	130	6,080,064	102	1,105,059
Municipal	5,845	609,259,750	3,235	588,500,420	2,610	80,660,333	513	27,499,452	244	22,042,410	269	4,867,036
All business under general contract or directly for owners	22,052	4,011,765,910	15,484	4,325,405,093	6,574	586,360,817	2,116	392,223,564	1,336	341,357,637	774	50,865,927
Distribution not reported	211	30,640,358	128	30,640,358	83	9,134,202	21	2,112,656	13	1,688,678	8	624,073
Distributed by class	21,847	4,872,125,552	15,356	4,204,898,937	6,491	577,228,615	2,089	390,110,908	1,323	339,769,059	766	50,341,849
Building	17,549	3,243,390,610	11,383	2,759,501,791	6,100	483,888,009	1,857	266,508,704	1,117	224,142,568	740	42,366,195
Distribution not reported	1,201	151,522,027	683	151,522,027	608	55,062,218	190	16,418,734	86	11,055,207	105	5,303,437
Distributed by class	16,288	3,001,807,683	10,700	2,663,040,992	5,568	428,820,601	1,667	250,090,030	1,032	213,087,271	635	37,002,759
Commercial	7,604	862,565,797	5,053	782,350,093	2,521	80,208,804	698	57,014,031	423	51,797,304	275	5,810,727
Educational	3,866	311,683,415	2,298	275,124,221	1,027	39,450,104	411	30,609,074	217	28,204,303	104	2,375,311
Hotel	1,316	101,155,954	557	91,965,091	1,768	9,200,293	132	2,211,008	44	1,783,042	88	428,050
Hospital and institutional	2,101	148,859,886	1,029	132,391,635	1,072	16,408,251	229	14,292,606	162	12,438,734	127	1,853,872
Manufacturing	3,067	407,762,725	1,656	341,075,363	1,411	60,687,372	391	41,777,507	204	36,117,245	187	5,600,322
Military and naval	220	13,842,331	122	12,793,749	98	1,048,582	30	722,884	15	610,540	16	103,335
Public: Courts, jails, etc.	1,248	63,407,013	608	58,692,865	1,580	4,714,148	160	3,632,055	78	3,208,040	82	363,109
Religious and memorial	2,635	95,595,108	1,453	87,043,440	8	8,551,608	321	7,751,601	170	6,532,089	151	1,219,572
Residential	11,047	850,712,804	7,776	698,617,539	4,171	152,005,218	1,324	72,020,691	808	57,526,210	610	14,503,451
Social and recreational	1,013	81,782,073	955	74,253,084	698	7,528,350	300	6,008,960	113	5,527,723	77	481,267
Air transport	343	14,659,707	203	13,160,572	140	1,503,195	14	4,213,321	21	4,120,060	13	86,661
Rail and water transportation	400	44,466,989	241	41,829,943	150	2,637,043	30	900,718	16	803,570	14	97,130
Miscellaneous	2,838	95,473,824	1,684	53,749,257	1,154	41,724,667	314	8,175,764	190	4,161,827	124	4,013,937
Highway and street	3,347	710,288,226	3,183	709,962,404	104	6,335,822	206	36,632,744	189	36,188,123	17	444,621
Water-power development	103	23,116,284	89	22,513,495	14	6,022,750	22	8,157,570	21	(?)	1	(?)
Railroad and car line	365	80,510,250	311	86,890,101	54	2,193,898	11	2,187,277	8	(?)	3	6,110
Public works and utilities	3,162	639,108,480	2,684	594,781,250	478	44,387,230	284	68,534,237	230	62,542,387	48	6,291,850
Distribution not reported	64	16,873,370	53	16,605,455	11	367,924	2	64,307	2	64,307	2	(?)
Distributed by class	3,098	622,205,101	2,631	578,275,705	407	44,010,306	282	68,769,030	234	62,478,080	48	6,291,850
Bridge, tunnel, etc.	1,121	167,180,037	1,020	147,162,149	101	10,027,888	99	7,648,065	92	7,337,139	7	161,826
Central station, light and power plant	451	152,804,897	200	138,006,125	101	14,863,772	61	46,525,723	42	44,245,038	19	2,280,085
Dock, pier, retaining wall, etc.	334	38,720,235	202	37,614,098	42	1,111,537	51	3,042,535	46	3,577,324	5	65,211
Flood control, irrigation, and land drainage	243	25,358,821	224	24,367,051	19	401,770	0	26,738	5	(?)	1	(?)
Refuse-disposal plant	67	4,136,957	44	3,712,856	23	424,101	1	(?)	1	(?)	1	(?)
Park, grounds, etc.	242	4,160,818	185	3,699,312	57	401,506	52	874,214	46	833,427	6	40,787
River and harbor improvement	125	45,551,460	117	45,429,264	8	122,196	14	1,019,949	12	(?)	2	(?)
Sewage disposal and drainage	948	92,376,053	863	91,634,268	85	1,341,795	70	2,727,087	67	2,605,789	0	31,293
Water supply	633	69,519,229	529	61,022,106	104	8,497,068	61	6,147,654	51	2,440,928	10	3,706,726
Oil and natural gas pipe line	22	24,678,016	21	(?)	1	(?)	1	(?)	1	(?)	1	(?)
Telephone line and system	17	3,205,404	16	2,910,500	1	(?)	1	(?)	1	(?)	1	(?)
Radio tower, etc.	11	(?)	1	(?)	1	(?)	1	(?)	1	(?)	1	(?)
Miscellaneous	184	4,536,214	147	4,188,059	37	848,155	21	255,675	18	252,668	3	

CONSTRUCTION BUSINESS—UNITED STATES SUMMARY

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—						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
UNITED STATES—Continued						NEW ENGLAND—Continued						
All business under subcontract—Continued.												
Distributed by class—Contd.												
Masonry	832	\$56,761,109	175	\$2,461,511	657	\$54,299,598	94	\$1,640,329	29	\$274,508	65	\$1,365,821
Painting and decorating	919	57,147,822	16	82,609	908	57,064,718	108	5,481,200	2	3,618	106	5,983,301
Glass and glazing	209	13,099,773	7	44,620	199	13,955,163	17	605,638	2		15	3,456,742
Plastering and lathing	722	76,433,350	49	464,370	673	75,968,980	70	3,504,904	13	48,222	63	3,456,742
Roofing and sheet-metal work		107,626,900		152,492		107,474,408		8,549,888		(?)		(?)
Roofing	1,070	46,790,260	17	136,050	1,053	46,654,210	89	2,467,509	2	(?)	87	2,467,509
Sheet-metal work	1,200	43,785,951	6	10,442	1,293	43,769,509	175	3,863,618			175	3,863,618
Roofing and sheet metal combined	232	17,050,689			232	17,050,689	30	2,228,671			30	2,228,671
Steel erection	391	79,973,147	43	5,088,437	348	74,884,710	30	4,105,144	4	430,901	26	3,674,243
Stonework	274	25,525,749	29	602,714	245	24,923,035	32	1,523,447	7	16,262	25	1,507,195
Marble and tiling	553	97,471,070	5	46,076	548	97,424,994	53	5,579,081	2	(?)	51	5,579,081
Wrecking	116	4,134,042	22	95,137	94	4,038,905	13	905,274	2	780,457	11	2,272,836
Excavating	763	34,463,502	295	6,601,102	473	27,862,400	86	2,098,019	37	(?)	49	2,098,019
Ornamental iron	306	34,731,488	7	58,729	299	34,672,759	27	2,178,485	1	(?)	26	2,178,485
Highway	93	7,207,920	63	3,290,647	30	3,917,273	2	35,509	2	35,509		
Bridges and culvert	58	2,436,903	1	1,605,765	17	831,208						
Grading	122	6,092,350	48	2,113,591	74	3,978,759	20	511,310	6	248,413	14	262,897
Street paving	66	5,706,788	35	3,028,563	31	2,768,223	4	16,898	1	(?)	3	16,898
Sewers, gas, water, conduit	74	2,655,572	38	1,166,811	36	1,489,261						
Dam and reservoir	18	421,617	13	352,037	5	69,580						
Waterworks	13	380,562	9	178,841	4	201,721						
Dredging, river, harbor, etc.	43	3,481,503	35	2,064,263	8	1,417,240	4	129,758	3	108,659	1	21,099
Sound proofing	85	3,410,163	1	(?)	34	(?)						
Railroad	8	899,923	4	69,831	4	830,097						
Foundation	46	10,652,993	18	1,196,217	28	18,456,770	5	332,997	1	(?)	4	(?)
Central station, light and power plant	9	640,965	9	215,517	3	426,448						
Metal work, n. e. s.	125	20,808,683	1	(?)	124	(?)	3	520,924			3	520,924
Pipe line	9	346,060	2	(?)	4	(?)						
Rental of equipment, trucking, etc.	78	2,820,795	38	2,861,702	40	2,968,093	5	106,196	4	93,107	1	13,089
Veicular subway and tunnel	2		2									
Flooring, n. e. s.	105	7,800,331	3	197,044	102	7,602,687	5	1,138,771	1	(?)	4	(?)
Miscellaneous	50	721,689	6	24,743	44	690,946	5	73,006			5	73,006
MIDDLE ATLANTIC						EAST NORTH CENTRAL						
All construction business	8,540	\$2,210,827,272	3,877	\$1,514,675,453	4,666	\$705,151,781	7,994	\$1,568,690,965	3,816	\$1,031,500,947	4,118	\$637,090,016
Distribution not reported	702	94,778,395	160	25,801,832	542	68,976,563	468	56,205,158	89	15,763,920	379	40,451,232
Distributed by class of ownership												
Private	7,844	2,125,048,877	3,717	1,488,873,951	4,127	636,175,220	7,466	1,512,385,805	3,727	1,015,747,021	3,739	406,638,784
Quasi public or community	7,154	1,509,675,253	3,153	978,378,043	3,999	631,207,215	6,581	1,070,862,906	2,940	651,566,804	3,641	419,206,162
Public	1,665	118,292,560	569	81,208,990	940	36,993,564	1,454	87,585,002	518	57,578,624	971	30,006,378
Distribution not reported	2,538	497,081,059	1,340	429,190,612	1,198	67,884,447	2,689	363,937,837	1,590	306,601,533	1,069	47,336,244
Distributed by class of public ownership	244	27,338,139	112	20,665,373	132	6,717,760	253	22,556,370	127	18,128,534	126	4,720,836
Federal	2,294	469,697,920	1,228	408,531,239	1,060	61,166,681	2,486	381,082,467	1,463	288,473,089	973	42,609,408
State	227	28,601,742	88	24,990,720	139	3,605,016	211	17,863,541	96	15,459,133	116	2,404,358
County or township	802	126,925,724	437	109,503,504	365	16,422,220	753	72,927,819	495	66,337,978	258	6,589,841
Municipal	846	70,004,034	435	60,389,062	411	10,214,372	1,043	62,304,515	615	54,230,058	428	8,074,457
All business under general contract or directly for owners	1,479	244,566,420	739	213,641,347	740	30,925,073	1,578	177,986,692	895	152,446,840	683	26,540,752
Distribution not reported	5,809	1,709,448,367	3,877	1,497,225,302	1,092	212,223,065	5,668	1,502,107,915	3,804	1,019,968,230	1,864	182,139,685
Distributed by class	67	22,561,209	41	17,687,874	26	4,873,336	81	4,008,777	14	2,100,140	17	1,848,637
Building	5,802	1,686,887,153	3,836	1,470,537,428	1,066	207,349,730	5,637	1,108,099,138	3,780	1,017,808,090	1,847	180,291,048
Distribution not reported	4,946	1,205,594,895	3,035	1,029,279,305	1,011	176,285,590	4,496	842,308,670	2,715	684,581,737	1,781	157,726,833
Distributed by class	366	48,133,349	208	32,281,892	163	15,856,457	319	44,009,397	154	22,605,022	105	22,004,345
Commercial	4,580	1,157,426,546	2,832	996,997,413	1,748	160,429,133	4,177	797,099,173	2,561	601,976,685	1,616	135,722,488
Educational	1,854	297,911,142	1,144	270,178,818	710	27,732,324	1,931	243,001,058	1,173	218,425,324	758	24,575,734
Hotel	974	117,070,876	521	102,651,278	453	14,725,098	958	68,926,354	484	56,615,190	474	12,311,104
Hospital and institutional	280	40,401,620	107	37,174,117	173	3,227,403	300	14,072,727	95	11,736,683	214	2,336,044
Manufacturing	622	62,742,094	306	56,947,081	316	5,795,613	620	36,350,852	213	30,826,982	818	5,533,870
Military and naval	810	150,017,772	407	133,469,440	403	22,548,332	1,023	134,970,940	535	109,962,374	488	25,008,566
Public: Courts, jails, etc.	67	4,353,497	34	3,748,339	33	605,158	42	2,006,601	24	1,861,040	18	145,651
Religious and memorial	308	23,066,603	157	21,334,242	151	1,732,361	209	12,248,532	141	10,796,817	156	1,501,715
Residential	737	35,933,280	358	32,880,061	349	3,058,219	710	22,498,154	332	19,916,613	378	2,582,541
Social and recreational	3,306	323,852,095	2,029	261,639,161	1,277	62,212,914	3,147	211,148,957	1,911	165,051,205	1,236	46,097,752
Air transport	447	30,929,042	254	27,066,528	193	2,062,514	448	19,728,811	240	17,769,761	208	2,019,050
Rail and water transportation	75	2,795,091	40	2,629,131	36	165,960	88	2,723,079	40	1,869,737	42	853,342
Miscellaneous	100	25,531,414	53	24,802,450	47	668,965	118	6,622,348	65	5,392,966	53	1,220,382
Highway and street	800	36,211,020	438	21,210,735	362	14,094,282	607	23,391,670	390	11,893,993	301	11,527,677
Water power development	687	163,237,968	649	161,812,340	38	1,425,722	834	171,115,822	802	170,064,357	32	1,051,465
Railroad and car-line	18	1,782,414	14	1,598,070	4	183,738	14	841,073	11	881,109	3	9,064
	82	21,406,820	71	20,351,110	11	1,075,710	92	19,294,245	74	17,999,412	18	1,294,833

See footnotes at end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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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—						CONSTRUCTION BUSINESS REPORTED BY—					
	All classes of establishments		General contractors ¹		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
	MIDDLE ATLANTIC—Continued						EAST NORTH CENTRAL—Continued					
All business under general contract or directly for owners—Continued.												
Distributed by class—Contd.												
Public works and utilities.....	078	\$102,168,603	557	\$175,452,414	121	\$16,716,189	817	\$144,464,874	700	\$135,830,159	117	\$8,634,715
Distribution not reported.....	9	767,946	9	767,946			23	10,380,370	18	10,260,393	5	110,977
Distributed by class—Contd.												
Bridge, tunnel, etc.....	669	191,400,657	548	174,084,408	121	16,716,189	794	134,084,504	682	125,560,706	112	8,523,738
Central station, light and power plant.....	200	48,332,044	176	39,265,807	24	9,066,737	276	31,482,394	253	30,806,844	22	675,560
Dock, pier, retaining wall, etc.....	87	49,564,222	51	46,018,836	36	3,545,386	130	27,070,120	81	21,603,979	49	5,460,147
Flood control, irrigation, and land drainage.....	92	13,604,941	76	15,227,092	16	802,606	64	10,164,608	61	12,684,943	3	90,524
Refuse disposal plant.....	12	2,424,757	10	1,204,836	2	340,314	44	2,580,760	42	1,753,331	2	34,258
Park, grounds, etc.....	26	1,545,150	18	1,116,309	7	150,755	19	1,787,689	10	653,101	9	49,957
River and harbor improvement.....	62	1,272,064	47	1,824,413	16	61,722	68	8,010,633	30	8,010,633	10	—
Sewage disposal and drainage.....	34	22,163,005	31	21,783,541	3	370,464	23	35,632,272	23	34,940,440	17	691,832
Water supply.....	241	29,104,126	211	26,980,280	30	2,173,846	279	13,154,046	262	11,690,465	17	1,458,481
Oil and natural gas pipeline.....	143	(2)	112	(2)	31	(2)	100	(2)	145	(2)	21	(2)
Telephone line and system.....	1	2,230,487	1	2,230,487	—	—	1	3,498,019	1	3,411,030	—	—
Radio tower, etc.....	8	(2)	1	(2)	—	—	1	—	1	—	—	—
Miscellaneous.....	61	2,072,472	46	2,483,113	15	189,359	41	1,445,130	37	1,394,311	4	86,989
Air transport work.....	22	1,463,228	17	1,418,135	5	45,093	25	—	10	—	8	50,810
Subway (other than buildings).....	27	71,404,306	27	71,404,306	—	—	—	—	—	—	—	—
Miscellaneous.....	27	20,858,829	27	18,241,141	—	—	—	—	—	—	—	—
Automatic temperature control.....	1	5,126,467	—	—	1	5,126,467	—	—	—	—	—	—
Automatic sprinkler systems.....	5	—	—	—	5	—	3	1,697,724	—	—	—	—
Other miscellaneous, n. e. s.....	220	24,732,362	102	18,241,141	58	6,491,221	163	17,031,700	110	7,107,005	53	9,924,695
All business under subcontract.....	4,011	510,378,906	304	17,450,181	3,707	492,928,724	3,639	806,483,048	324	11,532,717	3,316	354,960,331
Distribution not reported.....	100	21,347,255	10	3,161,040	90	18,186,206	67	5,711,295	5	122,049	52	5,589,240
Distributed by class.....	3,011	480,030,650	204	14,280,132	3,017	474,742,618	3,482	300,771,763	319	11,410,608	3,263	340,801,085
Carpentering and wood flooring.....	226	13,402,392	73	903,356	152	12,439,030	185	9,424,806	68	1,159,460	117	8,265,456
Concreting.....	270	27,235,507	195	1,594,708	195	25,340,889	268	14,993,249	101	1,930,418	167	13,012,831
Electric.....	888	88,604,715	2	(2)	886	(2)	420	32,274,516	2	(2)	418	(2)
Elevator construction.....	37	30,519,544	—	—	37	30,519,544	24	16,390,005	—	—	24	16,390,005
Heating and plumbing.....	37	117,114,438	—	—	37	117,087,690	—	—	—	—	37	117,087,690
Heating and piping.....	720	38,667,523	2	(2)	718	38,667,523	720	56,021,197	2	(2)	718	56,021,197
Pipe covering.....	131	5,632,573	3	20,748	128	3,795,306	111	3,795,306	1	(1)	110	3,795,306
Plumbing.....	708	54,599,211	2	(2)	706	54,599,211	723	39,134,803	0	—	714	39,134,803
Plumbing and heating combined.....	216	14,208,928	—	—	216	14,208,928	161	8,081,156	—	—	161	8,081,156
Automatic temperature control.....	5	1,485,609	—	—	5	1,485,609	9	1,795,907	—	—	9	1,795,907
Automatic sprinkler systems.....	13	2,470,594	—	—	13	2,470,594	10	2,370,190	—	—	10	2,370,190
Masonry.....	279	20,293,934	57	1,007,110	222	19,286,824	244	17,695,237	60	704,319	184	16,990,918
Painting and decorating.....	297	21,605,139	7	44,280	290	21,560,859	238	16,305,053	5	31,067	233	16,317,867
Glass and glazing.....	63	4,430,805	3	38,000	60	4,392,805	61	4,044,781	0	—	61	4,044,781
Plastering and lathing.....	180	20,254,923	20	139,122	160	20,115,801	234	24,376,808	0	—	234	24,376,808
Roofing and sheet-metal work.....	307	12,867,658	2	40,292	305	12,827,366	279	14,215,610	6	10,713	273	14,215,610
Roofing.....	378	14,144,198	3	40,292	375	14,103,906	333	12,294,260	2	10,713	331	12,294,260
Sheet-metal work.....	92	6,420,354	—	—	92	6,420,354	51	5,098,726	16	1,114,291	51	5,098,726
Roofing and sheet metal combined.....	161	38,707,918	11	2,888,040	150	35,819,878	95	16,438,009	79	28,401	70	16,438,009
Steel erection.....	101	12,426,009	10	115,280	91	12,311,029	71	5,364,333	7	(7)	64	5,364,333
Stonework.....	274	35,722,891	2	(2)	272	35,722,891	194	21,259,956	1	(1)	193	21,259,956
Marble and tiling.....	46	1,678,537	7	61,265	39	1,617,272	26	1,142,485	4	4,686	22	1,142,485
Wrecking.....	227	12,868,241	72	2,404,989	155	10,393,242	100	6,589,753	78	1,170,940	112	6,589,753
Excavating.....	155	18,227,672	1	(1)	154	18,227,672	45	8,454,073	2	(2)	43	8,454,073
Ornamental iron.....	20	1,663,752	—	—	20	1,663,752	10	1,527,957	14	630,445	5	1,527,957
Highway.....	7	205,938	5	930,540	2	999,050	16	875,899	11	630,445	5	999,050
Bridge and culvert.....	21	1,175,130	—	—	21	1,175,130	32	1,616,300	17	414,732	21	1,616,300
Grading.....	14	1,113,585	8	1,030,650	6	73,920	22	2,994,390	12	1,185,765	10	2,994,390
Street paving.....	22	900,217	10	537,184	12							

CONSTRUCTION—UNITED STATES SUMMARY

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—						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
	WEST NORTH CENTRAL						SOUTH ATLANTIC					
All construction business.....	2,490	\$438,600,310	1,476	\$340,004,830	1,014	\$98,585,509	2,184	\$439,732,201	1,225	\$324,087,249	959	\$115,644,952
Distribution not reported.....	182	19,480,075	51	7,768,550	131	11,711,516	145	14,593,703	40	5,352,910	99	9,240,793
Distributed by class of ownership.....	2,308	419,110,324	1,425	332,236,271	883	80,874,053	2,039	425,138,498	1,179	318,734,339	860	106,404,159
Private.....	1,816	233,350,386	984	167,802,704	832	65,547,682	1,803	269,273,575	971	184,608,519	832	84,605,056
Quasi public or community.....	494	24,120,552	219	18,336,547	275	6,094,056	467	27,354,122	207	19,885,781	200	7,008,341
Public.....	1,125	161,639,386	750	146,397,020	300	15,242,369	885	128,510,801	524	114,080,039	361	13,830,762
Distribution not reported.....	106	10,587,107	60	9,124,538	46	1,492,569	80	7,102,759	48	5,603,764	32	1,498,995
Distributed by class of public ownership.....	1,019	151,052,279	609	137,272,482	320	13,779,797	805	121,408,042	476	109,076,275	329	12,331,767
Federal.....	155	10,818,733	84	15,124,605	71	1,104,275	193	19,690,383	82	15,849,998	111	3,840,385
State.....	400	68,618,871	354	69,076,467	112	5,542,404	348	52,990,378	233	50,067,101	115	2,923,272
County or township.....	414	20,707,070	285	18,721,531	129	1,986,148	274	11,824,771	161	10,095,760	113	1,720,011
Municipal.....	547	45,406,946	339	40,349,976	208	5,056,967	405	36,902,615	224	33,063,416	181	3,839,099
All business under general contract or directly for owners.....	1,963	360,184,577	1,471	337,037,230	492	32,147,347	1,611	347,637,352	1,223	320,759,919	888	27,147,311
Distribution not reported.....	25	2,970,594	19	2,761,127	6	209,437	18	1,478,734	10	1,478,698	8	466,136
Distributed by class.....	1,938	366,214,013	1,452	334,276,103	486	31,937,910	1,593	345,907,618	1,213	319,286,393	880	26,681,225
Building.....	1,365	189,263,074	916	164,169,677	449	25,039,397	1,214	229,541,074	402	207,141,634	312	22,399,440
Distribution not reported.....	103	10,383,622	63	7,853,182	40	2,530,440	65	8,076,036	03	6,678,040	22	3,397,990
Distributed by class.....	1,262	178,819,452	853	156,316,495	409	22,502,957	1,149	220,565,038	869	201,603,588	260	19,001,450
Commercial.....	742	59,900,251	521	51,602,255	221	5,237,996	541	47,470,917	422	45,363,056	119	2,117,861
Educational.....	304	18,091,436	207	10,453,301	157	2,288,189	305	21,167,084	214	19,417,890	91	1,789,248
Hotel.....	120	0,390,532	54	5,978,441	60	412,091	78	9,007,415	45	9,368,128	33	239,287
Hospital and institutional.....	195	9,423,110	05	8,162,900	100	1,200,111	153	9,100,213	95	8,608,622	58	531,591
Manufacturing.....	216	13,518,429	118	11,076,654	98	1,541,776	184	23,529,788	119	17,711,086	65	5,818,102
Military and naval.....	12	1,938,095	10	7,672,225	2	359,728	25	1,635,928	17	1,438,818	8	97,110
Public: Courts, jails, etc.....	146	6,120,258	74	5,002,435	72	453,822	80	9,899,156	53	9,046,069	27	252,480
Religious and memorial.....	263	0,356,257	139	5,002,435	94	453,822	182	8,330,522	130	7,895,037	52	435,485
Residential.....	867	41,419,485	557	34,173,679	310	7,245,806	872	76,598,772	651	70,132,536	221	6,436,236
Social and recreational.....	124	5,026,271	73	4,591,714	51	434,557	100	4,583,100	76	4,488,678	24	94,522
Air transport.....	40	1,127,955	27	1,052,403	13	75,492	13	584,740	13	584,740		
Rail and water transportation.....	47	3,653,636	31	3,467,871	16	185,765	20	3,529,461	15	3,472,144	5	57,317
Miscellaneous.....	265	8,255,037	160	5,222,458	96	3,030,629	203	4,667,943	149	3,485,738	54	1,182,205
Highway and street.....	449	86,542,002	433	85,923,374	16	619,228	272	58,381,795	256	57,887,444	16	494,351
Water power development.....	3	949,759	3	949,759			9	4,542,152	8	4,542,152	1	319,964
Railroad and car line.....	40	19,092,719	39	19,674,101	7	118,618	36	12,941,156	32	17,163,844	4	2,319,296
Public works and utilities.....	375	63,819,311	314	60,190,387	61	3,628,924	220	35,190,779	107	32,871,483	23	2,319,296
Distribution not reported.....	8	1,377,551	7	1,366,711	1	10,820	8	2,655,092	8	2,655,092		
Distributed by class.....	367	62,441,780	307	58,823,676	60	3,618,104	212	32,535,687	189	30,216,391	23	2,319,296
Bridge, tunnel, etc.....	170	21,020,853	153	20,238,850	17	787,003	102	16,730,346	94	14,043,649	8	2,086,697
Central station, light and power plant.....	56	7,204,107	35	5,086,381	21	2,117,720	27	1,003,929	18	844,722	0	159,207
Dock, pier, retaining wall, etc.....	12	429,678	9	422,771	3	6,907	38	3,004,699	36		2	
Flood control, irrigation, and land drainage.....	35	3,637,483	32	3,363,992	3	273,491	10	661,512	9	3,610,023	1	50,183
Refuse disposal plant.....	6	97,137	2	(?)	4	(?)	2		1		1	
Park, grounds, etc.....	25	284,276	18	262,711	7	21,566	11	107,225	10	(?)	1	(?)
River and harbor improvement.....	16	8,615,318	15	(?)	1	(?)	14	5,832,717	14	5,832,717		
Sewage disposal and drainage.....	95	7,609,767	86	7,541,971	9	67,796	45	3,467,718	43	(?)	2	(?)
Water supply.....	59	4,437,501	46	4,173,072	13	264,429	35	1,605,028	32	1,604,928	3	10,100
Oil and natural gas pipe line.....	4	8,744,777	4	8,744,777								
Telephone line and system.....	2	300,883	2	(?)	7	(?)	8	122,513	8	122,513		
Miscellaneous.....	17		10		3		15	2,019,273	10	1,925,304	5	93,969
Air transport work.....	16	438,159	13	346,848	3	91,311	8	2,446,432	3,351,389	2,297,184	1	1,054,205
Miscellaneous.....	1	5,568,389		3,121,957	1		1				1	
Automatic sprinkler systems.....	1	5,568,389		3,121,957	1		1	3,351,389	34	2,297,184	14	1,054,205
Other miscellaneous, n. e. s.....	52		36		16		48					
All business under subcontract.....	928	69,405,822	104	2,967,000	324	66,438,222	990	91,824,849	74	3,327,258	916	88,497,691
Distribution not reported.....	17	1,164,875	1	41,000	16	1,113,875	15	889,416	1	45,432	14	843,984
Distributed by class.....	911	68,250,947	103	2,926,000	308	65,324,347	975	90,935,433	73	3,281,826	902	87,653,607
Carpentering and wood flooring.....	29	478,945	8	27,848	12	451,097	15	460,731	6	36,891	9	423,840
Concreting.....	79	6,375,207	32	1,430,509	47	4,944,698	59	4,034,577	18	321,459	41	3,713,118
Electrical.....	126	6,516,531	1	(?)	125	(?)	126	10,043,223	1	(?)	125	(?)
Elevator construction.....	8	2,618,715			8		12	3,994,622			12	3,994,622
Heating and plumbing.....		17,001,076		19,505		17,581,571		24,276,570		23,135		24,253,435
Heating and piping.....	165	4,503,137	1		164		210	6,513,242	2	23,135	208	21,282,905
Pipe covering.....	43	970,473		19,505	43		24	491,658			24	
Plumbing.....	198	8,576,919	2		196		217	11,301,145	1		216	
Plumbing and heating combined.....	57	3,111,606			57	3,111,606	45	2,654,404			45	2,654,404
Automatic temperature control.....	3				3		2				2	
Automatic sprinkler systems.....	2	438,881			2	438,881	3	316,126			3	316,126

See footnotes at end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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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—						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
	WEST NORTH CENTRAL—Continued						SOUTH ATLANTIC—Continued					
All business under subcontract—Continued.												
Distributed by class—Contd.												
Masonry.....	35	\$3,052,300	10	\$40,450	25	\$3,011,856	56	\$6,916,841	6	\$182,985	50	\$6,733,856
Painting and decorating.....	54	2,500,531			54	2,500,531	45	2,370,933	1	(?)	44	(?)
Glass and glazing.....	11	785,735			11	785,735	7	830,211			7	350,211
Plastering and lathing.....	29	2,004,287	2	(?)	27	(?)	42	3,240,023	1	(?)	41	(?)
Roofing and sheet-metal work.....		5,100,857		70,770		5,126,087		8,930,735		(?)		(?)
Roofing.....	70	2,005,732	3	70,770	73	2,024,962	100	4,550,823	1	(?)	99	(?)
Sheet-metal work.....	71	1,044,911			71	1,044,911	95	3,337,843	1	(?)	94	(?)
Roofing and sheet metal combined.....	11	556,214			11	556,214	16	1,042,069			16	1,042,069
Steel erection.....	19	3,817,165	4	48,307	15	3,768,858	24	2,365,162	3	253,808	21	2,081,354
Stonework.....	10	1,040,233	1	(?)	9	(?)	28	3,200,053	3	431,191	25	2,868,862
Marble and tiling.....	62	4,968,030			62	4,968,030	79	8,623,465			79	8,623,465
Wrecking.....	6	11,200	2	401,784	3	2,640,001	9	79,201	1	445,697	8	2,519,571
Excavating.....	57	3,037,176	20		37		54	2,830,007	17		37	
Ornamental iron.....	13	2,284,105	1	(?)	12	(?)	10	505,773			10	506,773
Highway.....	19	1,074,598	13	85,702	6	1,288,836	7	305,172	7	399,088	2	378,295
Bridges and culvert.....	8	367,292	4	89,680	4	277,612	9	412,811	3	443,430	3	113,421
Grading.....	21	921,230	12	280,122	9	935,108	10	550,581	1	(?)	2	(?)
Street paving.....	3	29,075	1	(?)	2	(?)	3	299,088			3	307,633
Sewer, gas, water, conduit.....	3	320,732			3	320,732	4	320,181			4	
Dam and reservoir.....	6	87,864	4	(?)	1	(?)	1	110,830		(?)		
Waterworks.....							1	21,020			2	(?)
Dredging, river, harbor, etc.....							5	772,201	3	(?)	3	86,421
Soundproofing.....	5	75,117			5	75,117	3	80,421			1	(?)
Railroad.....	3	701,697			3	701,697	1	(?)			1	(?)
Foundation.....							1	(?)			1	(?)
Metal work, n. e. s.....	17	1,423,050			17	1,423,050	12	4,362,657			12	4,362,657
Pipe line.....							1				1	
Rental of equipment, trucking, etc.....	4	135,400	2	(?)	2	(?)	0	84,782	5	(?)	1	(?)
Flooring, n. e. s.....	0	151,487			0	151,487	0				0	(?)
Miscellaneous.....	5	8,202	2	(?)	3	(?)	2	354,683	1	(?)	1	(?)
	EAST SOUTH CENTRAL						WEST SOUTH CENTRAL					
All construction business.....	936	\$104,952,184	529	\$122,777,524	407	\$42,174,600	1,009	\$307,704,528	958	\$241,279,006	651	\$66,425,522
Distribution not reported.....	88	14,911,932	31	3,284,409	57	11,057,434	109	19,688,619	54	10,439,993	112	9,248,656
Distributed by class of ownership.....	848	150,010,252	498	119,493,026	350	30,517,226	1,443	288,015,909	904	230,839,073	539	57,176,836
Private.....	087	77,304,944	340	52,676,603	311	24,628,441	1,206	163,814,070	689	115,975,621	517	47,830,349
Quasi public or community.....	171	7,059,052	85	5,720,063	80	1,938,989	311	14,631,708	148	10,923,220	103	5,608,648
Public.....	427	65,946,256	293	61,096,400	144	3,949,796	078	109,609,171	460	103,940,232	219	5,728,939
Distribution not reported.....	30	4,683,219	18	4,151,449	18	481,770	84	7,328,020	53	6,310,323	31	1,018,603
Distributed by class of public ownership.....	391	60,463,037	265	56,915,011	126	3,518,026	594	102,340,245	407	97,029,909	187	4,710,336
Federal.....	48	6,178,744	29	6,098,007	19	110,737	91	5,775,707	50	5,278,971	41	406,326
State.....	174	30,527,851	138	29,027,793	36	1,500,058	259	37,470,891	198	36,299,027	58	1,201,864
County or township.....	121	5,216,505	72	4,571,840	49	644,065	201	10,058,997	123	18,252,159	79	806,338
Municipal.....	202	18,539,937	123	17,277,371	79	1,262,566	326	40,034,660	203	37,829,752	123	2,204,808
All business under general contract or directly for owners.....	679	130,841,415	528	121,663,820	151	8,077,505	1,183	259,633,414	955	238,917,153	225	20,716,261
Distribution not reported.....	9	1,214,917	8	1,147,017	1	67,000	12	1,972,972	7	1,604,301	5	468,671
Distributed by class.....	670	129,126,498	520	120,515,903	150	8,010,505	1,171	257,660,442	948	237,112,852	223	20,247,590
Building.....	498	64,167,209	347	55,841,254	149	8,325,955	808	137,123,819	600	123,221,484	202	13,002,355
Distribution not reported.....	35	1,981,021	15	1,194,628	20	786,493	76	8,625,766	40	6,765,665	35	1,862,101
Distributed by class.....	461	62,180,188	332	54,046,726	129	7,539,462	793	128,498,053	626	116,457,799	167	12,040,254
Commercial.....	240	15,067,389	183	13,607,634	60	1,569,755	483	48,046,846	391	44,235,831	92	4,411,515
Educational.....	141	10,331,479	101	9,959,678	40	374,901	238	15,928,268	179	15,194,737	60	733,516
Hotel.....	40	1,771,100	22	1,451,201	18	319,839	113	9,820,761	64	8,448,931	49	1,071,820
Hospital and institutional.....	58	3,507,703	37	3,278,743	21	229,020	93	3,922,777	59	3,650,577	34	272,200
Manufacturing.....	74	5,966,800	47	6,181,493	27	784,367	87	5,405,461	56	4,884,292	31	481,169
Military and naval.....	3	310,440	1	2,139,442	2	144,252	4	238,455	3	3,076,816	1	88,040
Public: Courts, jails, etc.....	44	2,017,248	30	2,732,448	14	100,161	73	2,928,371	52	4,586,999	36	202,907
Religious and memorial.....	86	2,832,600	60	2,732,448	26	2,001,972	120	4,789,006	84	23,211,813	123	3,543,561
Residential.....	319	15,905,680	222	13,213,708	97	2,601,972	555	26,754,874	432	23,211,813	17	130,433
Social and recreational.....	38	1,429,019	27	1,366,478	11	59,541	68	5,101,026	51	4,971,103	7	44,204
Air transport.....	11	290,664	8	284,565	3	6,090	20	445,534	13	401,330	1	
Rail and water transportation.....	11	458,866	8	378,173	3	80,693	23	1,953,620	15	1,773,399	8	180,221
Miscellaneous.....	53	2,295,065	48	1,106,203	35	1,188,862	110	2,803,549	73	1,922,881	37	880,063
Highway and street.....	167	36,836,704	132	36,867,441	5	119,203	219	58,252,446	209	58,046,825	10	205,021
Water power development.....	3	3,073,049	3	3,073,049	1	(?)	3	163,953	3	163,953		
Railroad and car line.....	13	2,461,874	12	(?)	1	(?)	22	4,125,281	19	4,091,863	3	33,418

See footnotes at end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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—						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
	EAST SOUTH CENTRAL—Continued						WEST SOUTH CENTRAL—Continued					
All business under general contract or directly for owners—Contd.												
Distributed by class—Contd.												
Public works and utilities.....	92	\$21,907,255	89	\$21,762,541	3	\$144,714	221	\$50,536,409	107	\$40,846,995	24	\$680,414
Distribution not reported.....	1	1,194			1	1,194	5	1,009,615	4	1,002,638	1	6,877
Distributed by class.....												
Bridge, tunnel, etc.....	91	21,006,061	89	(?)	2	(?)	216	49,526,894	103	48,844,357	23	682,537
Central station, light and power plant.....	41	5,633,918	39	(?)	2	(?)	79	8,284,020	73	8,241,020	6	43,000
Dock, pier, retaining wall, etc.....	7	9,698,618	7	9,698,618			5	6,905,040	18	5,813,819	7	91,221
Flood control, irrigation, and land drainage.....	7	245,822		(?)	1	(?)	10	1,857,822	16	5,801,792	1	35,334
Refuse disposal plant.....	14	2,317,705	14	2,317,705			35	3,079,304	33	597,298	2	(?)
Park, grounds, etc.....	2		2				5	121,820	5	597,298		
River and harbor improvements.....							12		10			
Sewage disposal and drainage.....							7	1,460,514	7	1,460,514		
Water supply.....	29	2,057,793	20	2,057,793			65	8,588,738	59	8,515,391	0	73,347
Oil and natural-gas pipe line.....	19	1,104,364	18	(?)	1	(?)	42	6,090,873	37	5,697,025	5	393,843
Telephone line and system.....							10	12,374,502	9	(?)	1	(?)
Miscellaneous.....	6	47,846	6	47,846			2	269,963	2	(?)	2	(?)
Air transport work.....	2	540,407	2	(?)			7	85,737	5	68,012	3	17,725
Miscellaneous, n. e. s.....	17		13	(?)	4	(?)	42	7,372,797	27	1,973,740	15	5,399,057
All business under subcontract.....	370	34,610,766	20	1,113,704	344	33,497,066	611	48,071,114	45	2,361,855	562	45,700,261
Distribution not reported.....	3	556,845			3	556,845	9	616,794	1	2,945	8	613,849
Distributed by class.....												
Carpentering and wood flooring.....	367	34,053,624	20	1,113,704	341	32,040,220	602	47,454,820	48	2,358,008	554	45,095,412
Concrete.....	10	249,096	2	(?)	8	(?)	5	228,593	1	(?)	4	(?)
Electrical.....	22	955,362	5	62,908	17	902,304	35	1,577,974	11	508,690	24	1,060,275
Elevator construction.....	37	2,777,136			37	2,777,136	117	6,264,064			117	6,264,064
Heating and plumbing.....	6	331,121			6	331,121	3	708,780			3	708,780
Heating and piping.....		7,874,959		23,190		7,651,799		15,816,307		(?)		(?)
Pipe covering.....	35	2,745,265	1		34		82	5,404,168	1	(?)	91	(?)
Plumbing.....	17	351,946		23,190	17		19	542,045			19	542,645
Plumbing and heating combined.....	96	3,643,907	2		93		155	7,466,062			155	7,466,062
Automatic temperature control.....	21	928,871			21	928,871	22	2,021,776			22	2,021,776
Automatic sprinkler systems.....							1	382,156			1	382,156
Masonry.....	23	1,760,917	3	77,399	20	1,683,518	14	540,160	4	44,043	10	496,117
Painting and decorating.....	18	820,025			18	820,025	31	1,312,805			31	1,312,805
Glass and glazing.....	9	604,690			9	604,690	5	147,011			5	147,011
Plastering and lathing.....	16	1,273,231	1	(?)	14	(?)	36	3,488,394	2	(?)	34	(?)
Roofing and sheet-metal work.....		2,937,730		(?)		(?)		5,515,249		(?)		(?)
Roofing.....	41	1,351,139	1	(?)	40	(?)	57	3,141,601	1	(?)	56	(?)
Sheet-metal work.....	36	868,846			36	868,846	54	1,794,789			54	1,794,789
Roofing and sheet metal combined.....	12	717,695			12	717,695	12	578,859			12	578,859
Steel erection.....	11	5,727,723	2	(?)	9	(?)	12	2,418,392	2	(?)	10	(?)
Stonework.....	6	363,000			6	363,000	8	715,117			8	715,117
Marble and tiling.....	24	5,036,519			24	5,036,519	43	4,213,624			43	4,213,624
Wrecking.....	2	115,068	1	272,740	1	642,322	3	27,200	2	133,457	1	580,315
Excavating.....	23	632,439		(?)	7	(?)	23	686,572	10		13	
Ornamental iron.....	8	584,872			7		7	383,865			7	383,865
Highway.....	7	280,075		534,943	1	338,804	4	397,490	4	397,490		
Bridge and culvert.....	2		1		1		7	206,295	7	206,295		
Grading.....	4		1		3		5	245,292	3	(?)	2	(?)
Street paving.....	1	(?)	1	(?)			2	(?)			2	(?)
Sewer, gas, water, conduit.....							1	(?)	1	(?)		
Dam and reservoir.....	2	(?)	1	(?)	1	(?)	2	140,574	2	(?)	1	(?)
Waterworks.....							1	(?)			1	(?)
Levee.....							2	(?)	2	(?)		
Soundproofing.....	1	(?)			1	(?)	2	(?)			2	(?)
Foundation.....							5	199,298	3	(?)	2	(?)
Central station, light and power plant.....							1	(?)	1	(?)		
Metal work, n. e. s.....	6				6		10	1,379,325	1	(?)	10	(?)
Pipe line.....	1	292,095			1	292,095	2		1	(?)	1	(?)
Rental of equipment, trucking, etc.....	4	51,583	3	(?)	1	(?)	4	256,385	1	(?)	3	(?)
Flooring, n. e. s.....	3	53,342			3	53,342	4				4	
Miscellaneous.....	3	91,185			3	91,185	2	161,970			2	161,970

See footnotes at end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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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—						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
	MOUNTAIN						PACIFIC					
All construction business.....	709	\$90,105,022	422	\$68,195,421	287	\$21,909,601	3,409	\$545,915,274	1,876	\$384,733,952	1,538	\$161,181,322
Distribution not reported.....	50	4,463,691	24	2,620,188	26	1,843,493	235	25,174,058	62	10,655,695	173	14,613,372
Distributed by class of ownership.....	659	85,041,431	398	65,575,233	261	20,066,198	3,174	520,741,210	1,814	374,078,266	1,360	146,602,950
Private.....	537	47,859,103	296	32,534,736	241	15,324,367	2,813	345,210,090	1,495	221,028,380	1,318	124,188,280
Quasi public or community.....	140	4,456,249	74	3,112,160	72	1,344,080	498	20,690,821	189	14,153,245	310	6,507,576
Public.....	348	33,820,070	220	29,928,328	122	3,397,751	1,224	154,833,735	720	138,866,641	498	15,967,094
Distribution not reported.....	35	3,531,843	18	2,873,321	17	658,522	90	5,870,061	42	4,169,172	48	1,709,889
Distributed by class of public ownership.....	313	20,794,236	208	27,055,007	105	2,739,229	1,134	148,954,674	694	134,697,469	450	14,257,205
Federal.....	59	0,052,905	43	5,466,075	16	596,830	197	10,227,090	106	8,552,577	89	1,674,453
State.....	138	11,268,287	100	10,688,478	32	570,809	373	32,601,209	251	29,811,853	122	2,780,356
County or township.....	104	3,232,740	56	2,825,606	48	407,134	512	37,043,402	305	33,068,682	207	3,944,820
Municipal.....	135	9,240,304	84	8,084,848	51	1,155,456	600	69,083,033	384	63,234,457	276	5,848,576
All business under general contract or directly for owners.....	529	73,189,422	422	67,830,900	107	5,840,522	2,446	427,723,884	1,868	380,635,830	576	47,094,054
Distribution not reported.....	8	1,063,930	6	1,010,878	2	53,052	20	1,795,599	10	1,171,743	10	623,856
Distributed by class.....	521	72,125,402	416	66,820,022	105	5,296,470	2,420	425,934,285	1,858	379,464,087	568	46,470,198
Building.....	390	38,394,360	290	33,400,438	100	4,963,322	1,917	270,578,845	1,395	237,723,624	522	32,855,221
Distribution not reported.....	32	2,530,886	17	1,875,979	15	664,907	109	9,850,116	63	7,253,088	43	2,606,048
Distributed by class.....	358	35,803,474	273	31,524,459	85	4,830,015	1,811	260,719,729	1,322	230,470,556	479	30,240,173
Commercial.....	202	11,551,366	161	10,707,498	41	843,808	904	84,402,707	665	76,489,773	239	7,913,024
Educational.....	112	4,861,006	78	4,365,052	34	496,044	362	23,341,013	237	21,875,286	125	1,465,727
Hotel.....	46	1,246,742	23	1,072,485	22	174,257	193	15,934,009	103	14,942,603	95	991,466
Hospital and institutional.....	61	2,007,851	34	1,707,778	27	300,073	164	7,443,020	85	6,751,119	78	991,091
Manufacturing.....	31	751,812	26	741,146	5	10,666	251	25,765,096	144	20,931,023	107	4,884,073
Military and naval.....	3	109,976	3	109,976	---	---	34	2,627,720	16	2,530,738	19	90,991
Public: Courts, jails, etc.....	39	817,671	24	750,560	15	58,121	99	2,677,120	59	2,483,447	40	193,673
Religious and memorial.....	50	1,091,715	35	1,018,847	15	72,898	106	6,008,094	116	5,579,911	81	426,093
Residential.....	257	10,711,904	192	9,028,670	65	1,083,234	1,300	72,321,346	974	64,041,087	326	7,680,259
Social and recreational.....	41	495,045	28	412,682	13	22,863	157	8,543,199	93	7,219,027	64	1,324,172
Air transport.....	17	280,482	12	225,114	5	55,368	45	2,198,901	23	1,982,832	22	216,069
Rail and water transportation.....	9	276,185	8	1,315,061	1	---	42	1,450,738	30	1,316,213	12	184,525
Miscellaneous.....	78	1,601,029	55	1,020,753	23	---	233	8,014,697	168	3,727,407	122	4,287,200
Highway and street.....	124	10,435,361	117	10,240,753	7	---	399	85,702,784	376	83,921,841	23	1,780,943
Water power development.....	7	384,133	7	384,133	---	---	24	3,222,175	19	3,129,883	5	92,202
Railroad and car line.....	13	4,054,313	13	4,054,313	---	---	50	9,359,440	43	3,276,519	7	82,921
Public works and utilities.....	93	8,603,708	83	8,544,033	10	59,735	382	53,643,244	311	47,740,851	71	5,902,393
Distribution not reported.....	2	149,214	1	149,189	1	---	6	408,210	4	230,179	2	238,031
Distributed by class.....	91	8,454,554	82	8,394,844	9	59,710	376	53,175,034	307	47,510,672	99	5,064,302
Bridge, tunnel, etc.....	38	2,141,027	36	1,982,753	2	---	117	16,106,475	104	12,989,895	13	3,116,580
Central station, light and power plant.....	7	1,982,753	7	1,982,753	---	---	51	3,910,370	31	2,711,979	20	1,198,400
Dock, pier, retaining wall, etc.....	---	---	---	---	---	---	54	5,776,040	43	5,679,223	11	96,817
Flood control, irrigation, and land drainage.....	24	2,477,305	21	2,457,573	3	19,732	63	7,338,158	58	7,211,238	5	126,920
Refuse disposal plant.....	2	(?)	---	(?)	1	(?)	5	17,554	4	---	1	(?)
Park, grounds, etc.....	3	36,150	2	(?)	1	(?)	10	762,011	13	570,544	6	191,467
River and harbor improvement.....	---	---	---	---	---	---	17	2,325,094	15	(?)	2	(?)
Sewage disposal and drainage.....	21	910,262	19	1,576,958	2	17,902	97	8,313,411	87	8,230,851	10	82,560
Water supply.....	25	678,698	22	---	3	---	83	7,190,130	66	6,728,598	17	467,541
Oil and natural gas pipeline.....	1	(?)	1	(?)	---	---	5	765,364	5	765,364	---	---
Telephone line and system.....	3	20,159	2	(?)	1	(?)	3	352,387	2	343,053	1	320,756
Miscellaneous.....	9	263,442	8	---	1	---	20	311,422	15	---	5	---
Air transport work.....	3	990,115	3	---	1	---	12	303,877	10	---	2	---
Miscellaneous, n. e. s.....	17	---	13	1,205,352	4	48,205	102	9,123,920	85	3,671,360	37	5,756,428

See footnotes at end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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—						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
	MOUNTAIN—Continued						PACIFIC—Continued					
All business under subcontract. Distribution not reported.	268 3	\$10,015,603 185,969	18	\$355,521	250 3	\$16,560,074 105,999	1,501 30	\$118,185,390 2,823,470	129 4	\$4,098,122 134,277	1,372 26	\$114,087,268 2,089,193
Distributed by class.	265	16,719,601	18	355,521	247	16,304,080	1,471	115,361,920	125	3,963,845	1,346	111,898,075
Carpentering and wood flooring.	2	(?)	1	(?)	1	(?)	73	4,050,012	14	67,494	50	3,983,418
Concrete.	13	675,060	2	(?)	11	(?)	78	2,480,080	29	365,617	49	2,123,163
Electrical.	40	2,186,101			40	2,186,101	213	12,674,471	3	187,000	210	12,487,471
Elevator construction.	1	(?)			1	(?)	14	5,260,896			14	5,260,896
Heating and plumbing.	74	5,073,498			74	5,073,498		31,106,812				31,106,812
Heating and piping.	74	1,095,929			74	1,095,929	183	8,226,210			183	8,226,210
Pipe covering.	16	29,768			16	29,768	37	908,490			37	908,490
Plumbing.	74	2,184,754			74	2,184,754	272	18,027,695			272	18,027,695
Plumbing and heating combined.	17						20	3,168,996			20	3,168,996
Automatic temperature control.	2	1,163,047			2	1,163,047	2				2	
Automatic sprinkler systems.							8	775,421			8	775,421
Masonry.	16	787,078	1	(?)	15	(?)	71	4,074,307	5	66,120	66	4,008,187
Painting and decorating.	10	748,366			10	748,366	112	5,994,204	1	(?)	111	(?)
Glass and glazing.	5	200,682			5	200,682	28	2,851,220			28	851,220
Plastering and lathing.	14	605,249			14	605,249	96	8,618,871	1	(?)	95	(?)
Roofing and sheet-metal work.		1,624,373				1,624,373		9,813,253		(?)		(?)
Roofing.	20	886,109			20	886,109	101	4,604,939	1	(?)	100	(?)
Sheet-metal work.	27				27		130	4,823,274			130	4,823,274
Roofing and sheet metal combined.		738,264				738,264						
Steel erection.	7	1,716,411			7	1,716,411	32	4,587,223	1	(?)	31	(?)
Stonework.	3	15,000			3	15,000	15	781,651	1	(?)	14	(?)
Marble and tiling.	13	982,507			13	982,507	116	10,484,961			116	10,484,961
Wrecking.	1				1		12	248,150	3	4,210	9	243,940
Excavating.	17	1,397,535	8	210,822	9	1,186,713	91	4,036,981	43	794,870	48	3,242,111
Ornamental iron.	3	97,255			3	97,255	38	2,005,831	1	(?)	37	(?)
Highway.	5	143,757			5	143,757	10	823,149	7		3	
Bridge and culvert.	4	112,361	2	70,545	2	176,573	3	41,100	2	639,249	1	225,000
Grading.	1	(?)			1	(?)	9	924,714	3	145,177	6	779,537
Street paving.	1	(?)			1	(?)	16	1,108,887	11	699,859	5	469,028
Sewer, gas, water, conduit.	2	(?)	2	(?)			19	598,197	11	321,258	8	186,939
Dam and reservoir.							2		2	(?)		
Waterworks.							2	160,200	1	(?)	1	(?)
Dredging, river, harbor, etc.							11	249,496	10	(?)	1	(?)
Soundproofing.							4	144,738			4	144,738
Railroad.							2	66,805	2	66,866		
Foundation.												
Central station, light and power plant.							4	332,354	2	(?)	2	(?)
Metal work, n. o. s.	2	(?)			2	(?)	10	739,066			10	739,066
Pipe line.							1				1	
Rental of equipment, trucking, etc.	2		1	(?)	1	(?)	8	243,712	6	(?)	2	(?)
Vehicular subway and tunnel.		57,487					1		1	(?)		
Flooring, n. o. s.							21	843,484			21	843,484
Miscellaneous.	1				1	(?)	4	42,629			4	42,629

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 2 establishments reporting automatic sprinkler systems.

CONSTRUCTION—UNITED STATES SUMMARY

TABLE 3.—CONSTRUCTION BUSINESS DURING 1929, BY LOCATION

CLASSIFICATION OF ESTABLISHMENTS	Estab-lish-ments report-ing	UNITED STATES				NEW ENGLAND				
		Total	In home city	In home State	Outside home State*	Total	In home city	In home State	Outside home State*	
All classes of establishments.....	29,759	\$6,013,054,032	\$3,436,147,534	\$4,956,681,207	\$1,057,367,825	2,715	\$468,307,100	\$303,791,385	\$322,185,820	\$129,141,336
Operative builders.....	731	147,848,692	130,538,536	140,921,302	927,200	50	4,710,184	4,092,034	4,710,184	.....
General contractors.....	14,382	4,095,988,419	2,094,095,359	3,280,999,866	805,088,553	1,240	329,295,000	122,704,339	213,543,406	115,752,194
Building.....	0,866	2,540,105,369	1,003,084,862	2,157,059,893	391,445,470	683	205,090,063	104,871,703	162,068,123	43,032,840
Building not specialized.....	0,876	2,060,903,406	1,305,030,551	1,777,079,063	313,823,743	688	177,628,749	84,266,123	136,267,458	41,301,291
Commercial building only.....	534	130,089,085	102,761,117	121,138,837	9,550,398	45	6,886,504	4,803,006	6,014,613	371,591
Manufacturing building only.....	70	90,602,808	7,007,007	20,739,922	60,862,886	5	823,423	330,021	392,034	430,489
Residential building only.....	2,416	236,010,070	188,286,137	220,701,021	7,208,449	260	20,252,687	14,912,493	19,383,118	809,409
Highway.....	1,465	427,458,232	44,886,555	334,440,300	93,008,833	86	30,264,030	3,888,609	16,711,432	13,553,198
Bridge and culvert.....	462	130,475,370	28,800,846	77,284,044	53,200,736	33	5,851,636	1,080,791	3,334,200	2,517,337
Grading.....	376	44,421,398	11,312,265	35,250,950	9,164,448	35	3,532,218	1,952,261	3,210,950	321,202
Street paving.....	954	272,610,053	172,166,190	264,041,613	18,508,440	33	7,430,031	3,874,801	6,610,676	919,356
Sewer, gas, water, conduit.....	483	112,653,714	58,587,588	96,389,354	16,164,360	25	3,055,624	1,378,677	2,089,058	365,906
Dam and reservoir.....	81	26,844,253	4,110,269	20,068,437	5,877,826	6	2,520,840	299,581	1,961,082	578,723
Waterworks.....	100	41,681,218	15,374,312	24,869,265	16,811,953	6	542,003	338,670	460,174	42,834
Dredging, river, harbor, etc.....	188	103,122,510	27,387,404	57,846,769	45,275,750	17	4,583,864	865,625	3,325,600	1,228,253
Levee.....	33	5,636,340	108,837	2,522,257	3,014,092	.....	.....	.....	.....	.....
Railroad.....	135	105,156,856	10,878,674	45,568,755	50,590,101	2	.....	.....	.....	.....
Foundation.....	55	8,119,408	4,090,692	7,347,169	772,242	11	3,426,010	1,018,306	1,327,940	2,008,079
Central station, light and power plant.....	82	157,159,084	26,713,100	79,733,707	77,425,977	9	62,707,782	3,505,017	11,744,348	51,023,434
Air transport work.....	7	2,415,530	1,322,472	2,366,886	48,653	1	(1)	(1)	(1)	(1)
Refuse disposal plant.....	7	1,720,758	1,067,655	1,383,712	387,046	.....	.....	.....	.....	.....
Oil and natural gas pipe line.....	20	26,278,041	307,420	14,520,603	11,749,338	.....	.....	.....	.....	.....
Subway (other than buildings).....	24	71,817,704	70,866,826	71,209,185	608,579	.....	.....	.....	.....	.....
Vehicular subway and tunnel.....	3	3,772,280	507,621	1,019,621	1,852,659	.....	.....	.....	.....	.....
Telephone line and system.....	9	.....	.....	.....	.....	2	(1)	(1)	(1)	(1)
Radio tower, etc.....	1	5,638,695	2,502,550	4,706,650	932,045	.....	.....	.....	.....	.....
Miscellaneous, n. o. s.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Subcontractors.....	14,080	1,760,197,051	1,201,013,639	1,518,760,639	260,437,012	1,407	124,205,382	70,995,012	110,908,240	13,389,142
Carpentering and wood flooring.....	373	34,457,234	29,124,691	32,811,563	1,648,681	19	1,118,336	849,442	1,050,335	67,500
Concreting.....	467	63,510,699	41,898,324	55,130,004	8,380,065	33	2,956,212	1,470,260	2,798,880	157,332
Electrical.....	1,991	189,955,710	144,700,043	173,867,497	10,098,213	208	15,422,090	9,092,331	14,180,027	1,233,063
Elevator construction.....	129	76,305,224	43,000,741	67,080,858	18,024,509	10	3,807,733	1,417,001	2,747,569	1,150,134
Heating and plumbing.....	5,463	576,775,900	422,004,723	516,636,447	60,130,513	633	52,565,427	34,239,016	47,138,580	5,426,547
Heating and piping.....	1,399	207,892,870	133,462,057	172,379,609	35,613,361	184	22,148,800	11,671,867	18,676,816	3,673,044
Pipe covering.....	57	11,700,381	6,267,823	8,067,512	2,732,869	2	.....	.....	.....	.....
Plumbing.....	2,755	243,589,268	204,876,830	235,061,765	7,597,503	276	17,090,663	13,671,444	17,321,474	675,189
Plumbing and heating combined.....	1,182	86,978,808	72,220,263	85,291,420	1,087,388	165	10,661,264	8,621,765	10,870,081	91,173
Automatic temperature control.....	23	4,560,871	1,487,746	3,974,051	586,820	1	1,768,650	273,969	671,669	1,087,141
Automatic sprinkler systems.....	50	22,063,772	4,281,014	10,032,200	12,021,572	5	.....	.....	.....	.....
Masonry.....	660	80,008,312	50,505,686	60,040,221	10,083,091	53	2,825,509	1,978,638	2,613,237	212,272
Painting and decorating.....	1,088	75,555,788	62,971,013	72,038,900	3,520,822	126	8,403,485	5,700,810	7,605,489	798,026
Glass and glazing.....	150	15,830,472	12,338,814	14,897,630	941,942	14	928,946	739,986	904,821	21,825
Plastering and lathing.....	608	79,540,027	62,626,432	74,862,422	4,680,005	40	3,657,154	2,033,404	3,289,607	375,547
Roofing and sheet-metal work.....	1,656	137,202,322	98,990,189	128,613,370	10,588,982	140	10,608,312	6,520,257	9,891,260	677,046
Roofing.....	864	71,760,650	48,489,071	64,601,030	7,150,620	72	4,478,613	2,789,772	4,852,075	126,538
Sheet-metal work.....	528	43,210,704	34,146,689	40,560,843	2,703,951	40	3,853,740	2,560,982	3,453,230	430,507
Roofing and sheet metal combined.....	264	22,230,878	16,384,420	21,505,497	725,381	28	2,205,958	1,205,503	2,085,952	120,001
Steel erection.....	280	125,188,136	56,963,650	87,624,431	37,553,705	18	5,599,133	2,069,080	4,406,220	1,102,013
Stonework.....	165	25,991,302	18,129,285	23,205,251	2,696,131	7	1,274,063	594,607	1,053,239	202,824
Marble and tiling.....	821	105,501,546	70,966,583	92,412,633	13,088,913	47	6,124,506	2,808,318	4,798,017	1,329,379
Wrecking.....	41	3,202,166	2,574,056	2,987,207	274,959	8	762,030	537,092	752,330	.....
Excavating.....	276	36,223,583	22,038,678	32,875,413	3,848,170	10	1,401,177	988,126	1,262,336	158,841
Ornamental iron.....	218	34,173,236	18,745,943	26,549,777	7,023,459	15	1,537,317	590,628	1,530,374	20,943
Highway.....	26	4,173,863	966,800	3,595,026	578,837	.....	.....	.....	.....	.....
Bridge and culvert.....	14	1,495,631	596,520	1,308,790	180,841	.....	.....	.....	.....	.....
Grading.....	56	5,089,530	2,024,263	4,129,188	969,362	6	268,785	261,785	263,785	8,000
Street paving.....	18	3,324,205	2,214,714	3,323,665	640	1	(1)	(1)	(1)	.....
Sewer, gas, water, conduit.....	14	5,479,590	4,512,184	5,035,150	444,431	1	(1)	(1)	(1)	.....
Dam and reservoir.....	.....	334,153	186,053	330,153	4,000	.....	.....	.....	.....	.....
Waterworks.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dredging, river, harbor, etc.....	11	1,887,040	979,221	1,483,748	403,892	2	(1)	(1)	(1)	(1)
Soundproofing.....	26	5,555,911	2,377,307	4,847,718	1,208,168	.....	.....	.....	.....	.....
Railroad.....	3	939,769	30,000	186,939	740,830	.....	.....	.....	.....	.....
Foundation.....	24	22,301,043	4,789,160	6,660,636	15,034,407	4	367,617	231,557	208,648	73,909
Power plant.....	4	1,063,564	633,201	942,147	121,417	.....	.....	.....	.....	.....
Metal work, n. o. s.....	127	40,064,213	7,987,063	10,056,387	26,907,826	4	702,334	65,770	333,909	368,425
Pipe line.....	2	2,477,021	1,134,700	1,573,842	903,179	.....	.....	.....	.....	.....
Rental of equipment, trucking, etc.....	16	9,088,081	4,738,262	6,484,114	2,633,967	2	(1)	(1)	(1)	.....
Flooring, n. o. s.....	75	.....	50,000	118,687	810,423	.....	.....	.....	.....	.....
Miscellaneous.....	3	420,110	.....	.....	.....	.....	.....	.....	.....	.....

CLASSIFICATION OF ESTABLISHMENTS	Estab-lish-ments report-ing	MIDDLE ATLANTIC				EAST NORTH CENTRAL				
		Total	In home city	In home State	Outside home State*	Total	In home city	In home State	Outside home State*	
All classes of establishments.....	8,295	\$2,136,437,132	\$1,207,049,140	\$1,778,670,074	\$357,817,058	7,790	\$1,517,665,001	\$989,369,608	\$1,372,404,822	\$225,180,159
Operative builders.....	233	67,988,777	64,044,792	67,885,125	103,662	179	27,388,085	25,591,635	27,388,085	.....
General contractors.....	3,555	1,408,816,003	754,307,203	1,144,137,117	264,679,546	3,566	977,000,989	508,106,956	828,888,850	148,202,149
Building.....	2,008	646,880,641	554,913,759	770,410,158	179,470,453	2,376	645,022,408	401,989,865	564,945,779	80,078,629
Building not specialized.....	1,724	772,837,153	466,012,364	636,442,030	136,395,123	1,592	506,700,722	306,822,796	448,528,682	57,178,040
Commercial building only.....	103	35,629,339	22,199,010	33,401,079	2,228,200	96	49,807,941	44,037,343	45,590,552	4,208,389
Manufacturing building only.....	18	54,173,167	2,129,191	16,147,713	38,025,444	23	24,221,702	4,276,073	6,592,780	17,628,022
Residential building only.....	703	87,240,987	64,676,138	84,419,336	2,821,651	665	65,223,043	50,223,653	74,252,765	973,278
Highway.....	295	97,344,542	9,465,951	89,368,702	7,975,840	371	89,609,160	14,005,794	4,485,938	12,170,327
Bridge and culvert.....	60	38,473,933	13,008,141	21,147,930	17,325,997	112				

CONSTRUCTION—UNITED STATES SUMMARY

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

CLASSIFICATION OF ESTABLISHMENTS	Estab-lish-ments report-ing	Total	In home city	In home State	Outside home State*	Estab-lish-ments report-ing	Total	In home city	In home State	Outside home State*	
											MIDDLE ATLANTIC—Continued					EAST NORTH CENTRAL—Continued
All classes of establishments—Continued.											
General contractors—Continued.	7	\$1,771,928	\$171,098	\$1,721,920	\$50,000	10	\$1,822,873	\$62,267	\$1,717,762	\$105,111	
Dam and reservoir	34	24,695,498	10,629,130	13,241,238	11,054,200	24	5,622,088	1,489,493	4,352,185	1,169,003	
Waterworks	54	42,268,270	6,871,828	18,109,800	24,158,380	37	20,869,845	11,214,424	15,485,098	5,183,937	
Dredging, river, harbor, etc.						5	1,062,465	162,281	1,032,465		
Levee						42	17,866,032	7,042,269	10,327,266	7,538,776	
Railroad	35	27,092,149	8,883,831	17,364,502	9,727,647	15	2,149,607	1,021,960	2,119,393	30,214	
Foundation	17	3,713,913	1,890,290	3,205,220							
Central station, light and power plant	15	39,279,631	11,355,109	37,524,419	1,755,212	19	24,753,770	4,704,950	7,476,779	17,276,091	
Air transport work	2	617,618	75,195	230,572	387,046	2					
Refuse disposal plant	4					1					
Oil and natural gas pipe line	1										
Subway (other than buildings)	24	71,817,764	70,868,826	71,209,185	608,579						
Vehicular subway and tunnel											
Telephone line and system	3										
Radio tower, etc.	1	4,043,973	2,414,139	4,267,000	676,283						
Miscellaneous, n. e. s.	1										
Subcontractors	4,527	659,681,692	448,037,145	568,647,832	93,089,890	4,035	513,087,917	365,281,017	436,129,927	76,957,090	
Carpentering and woodflooring	168	17,523,161	14,764,070	16,572,995	950,166	110	10,022,354	9,120,970	9,653,014	399,040	
Concreting	132	28,951,044	18,743,492	25,125,047	3,825,397	136	15,356,307	11,018,190	13,017,430	1,738,877	
Electrical	482	84,854,920	47,493,027	57,798,206	7,056,714	508	56,123,051	45,701,787	52,103,268	4,019,783	
Elevator construction	45	84,200,301	25,212,429	29,742,860	4,547,441	28	21,376,832	12,889,418	15,611,004	5,765,828	
Heating and plumbing	1,075	197,412,729	140,319,550	181,735,029	15,077,100	1,498	177,462,765	131,773,783	163,885,093	23,577,732	
Heating and piping	414	62,604,800	41,555,703	56,318,038	0,245,862	437	81,010,233	59,700,132	63,018,199	17,092,034	
Pipe covering	10	5,957,552	2,786,712	4,310,219	1,047,333	15	2,070,934	1,629,631	2,051,128	25,866	
Plumbing	839	92,758,863	78,203,298	90,401,004	2,367,804	718	58,871,445	52,624,069	58,580,860	340,576	
Plumbing and heating combined	383	26,928,193	21,559,208	26,447,907	480,286	309	24,762,653	21,966,287	24,568,425	104,228	
Automatic temperature control	5	1,485,609	499,038	1,184,149	301,460	7	1,786,075	670,181	1,058,549	128,426	
Automatic sprinkler systems	12	7,717,707	1,715,591	3,073,412	4,644,295	15	8,934,475	1,282,483	4,057,803	4,896,612	
Masonry	235	32,013,805	24,805,681	29,544,114	2,469,691	202	26,059,598	18,040,131	20,759,511	5,309,087	
Painting and decorating	335	24,463,003	20,184,889	23,180,589	1,282,414	304	23,771,802	20,769,774	23,082,860	680,002	
Glass and glazing	46	5,094,188	4,088,451	4,777,676	316,713	43	4,292,051	3,591,824	4,055,008	236,388	
Plastering and lathing	144	30,388,547	24,250,026	29,268,291	1,120,263	210	20,463,756	22,840,243	25,455,008	1,007,760	
Roofing and sheet-metal work	463	40,493,823	26,485,083	36,024,758	4,469,070	480	43,973,793	33,614,505	40,097,068	2,976,005	
Roofing	201	18,847,625	10,291,623	15,284,976	3,612,649	254	22,774,984	10,693,173	20,800,884	1,884,100	
Sheet-metal work	142	13,127,382	9,985,975	12,419,677	707,795	104	13,351,701	11,123,905	12,550,627	801,074	
Roofing and sheet metal combined	110	8,518,821	6,207,487	8,370,195	148,626	68	7,847,048	5,897,427	7,555,557	291,491	
Steel erection	121	55,168,300	20,370,935	32,029,372	23,138,934	64	26,320,369	17,222,018	23,333,522	2,995,847	
Stonework	68	13,005,767	8,889,526	11,256,810	1,749,467	44	5,878,993	5,030,658	5,680,281	198,712	
Marble and tiling	268	39,531,763	28,161,307	37,067,283	2,464,480	189	22,963,599	17,119,957	21,334,180	4,629,413	
Wrecking	16	1,268,064	1,188,084	1,200,584	95,480	12	959,702	664,779	774,223	170,470	
Excavating	91	16,356,841	13,153,890	15,923,676	432,665	68	5,961,198	4,161,190	5,634,487	320,711	
Ornamental iron	127	18,592,000	11,604,833	15,092,978	2,999,082	21	7,898,395	3,056,128	4,329,840	3,569,055	
Highway	8	1,310,317	640,455	1,226,548	92,769	4	602,366	79,470	4,202,383	259,923	
Bridge and culvert	1					4	711,692	550,002	711,692		
Grading	14	1,829,433	724,215	1,458,521	370,912	15	1,315,285	682,671	1,315,285		
Street paving	2					9	2,310,000	1,383,201	2,309,960	640	
Sewer, gas, water, conduit	5					4	466,813	162,194	466,813		
Dam and reservoir	1	574,941	320,401	570,941	4,000						
Waterworks	1					1					
Dredging, river, harbor, etc.	2					10	1,942,163	766,309	1,612,044	330,110	
Soundproofing	8	2,605,978	1,189,930	1,846,493	759,485	5	1,761,879	299,090	695,553	1,066,320	
Foundation	11	19,902,501	4,104,600	5,472,910	14,429,591	1					
Power plant						34	23,521,593	2,910,628	5,302,484	18,210,100	
Metal work, n. e. s.	3	206,523	64,000	206,523		8	1,704,573	836,741	803,394	901,179	
Rental of equipment, trucking, etc.	27	3,836,378	2,211,522	2,972,980	863,898	17	3,343,837	1,330,083	1,762,944	1,580,898	
Flooring, n. e. s.	1										
Miscellaneous											
WEST NORTH CENTRAL											
All classes of establishments	2,427	\$419,388,390	\$189,371,953	\$293,518,830	\$125,849,569	2,124	\$423,128,821	\$220,915,361	\$309,575,930	\$113,562,991	
Operative builders	51	9,735,642	8,615,384	9,219,884	515,758	73	22,647,007	22,142,051	22,392,717	255,260	
General contractors	1,882	316,778,849	110,287,332	208,358,293	108,420,556	1,121	204,646,774	135,136,410	206,850,015	87,787,760	
Building	797	147,383,106	94,242,675	118,416,106	28,967,000	772	182,893,497	114,435,474	146,585,953	39,307,544	
Building not specialized	608	125,028,221	76,466,299	98,421,760	26,606,471	579	154,922,839	95,202,934	126,397,001	29,525,898	
Commercial building only	66	10,414,876	7,481,944	8,729,597	1,685,279	35	12,890,018	7,289,250	7,911,697	4,978,921	
Manufacturing building only	4	748,810	322,619	672,619	176,000	2					
Residential building only	124	11,191,890	9,971,813	10,692,140	499,250	156	15,080,040	11,943,290	13,277,255	1,802,785	
Highway	184	58,497,088	3,376,971	36,358,233	22,139,455	142	45,666,116	3,333,502	27,823,352	17,737,764	
Bridge and culvert	96	18,988,198	2,862,354	11,837,786	7,160,382	47	14,090,317	1,018,623	4,668,076	10,025,242	
Grading	97	11,309,933	691,003	6,107,387	5,112,560	30	3,865,079	853,009	3,347,078	518,001	
Street paving	107	18,012,491	10,711,670	15,626,212	2,386,279	65	13,478,918	6,923,793	9,020,160	4,462,768	
Sewer, gas, water, conduit	34	5,602,088	2,771,713	3,860,803	1,742,125	20	3,444,373	1,701,280	2,616,299	829,074	
Dam and reservoir	9	3,032,007	604,834	2,172,799	859,208	3	1,120,817	32,344	588,455	552,392	
Waterworks	7	2,876,433	548,900	833,743	1,904,090	8	1,099,298	79,960	1,125,182	574,139	
Dredging, river, harbor, etc.	10	6,791,337	45,310	2,448,636	4,342,701	21	11,009,514	3,290,617	4,704,396	6,905,118	
Levee	6	977,023		173,047	804,976	1					
Railroad	15	28,406,985	370,866	4,514,616	23,952,369	17	15,370,098	3,292,058	5,519,136	9,866,962	
Foundation	2					2					
Central station, light and power plant	12	5,435,321	2,880,409	4,286,050	1,151,602	3	1,248,548	96,229	712,750	530,798	
Air transport work	1										
Refuse disposal plant	1										
Oil and natural gas pipe line	3	8,919,372	70,000	1,114,591	7,804,781						
Telephone line and system	2										
SOUTH ATLANTIC											
All classes of establishments	2,427	\$419,388,390	\$189,371,953	\$293,518,830	\$125,849,569	2,124	\$423,128,821	\$220,915,361	\$309,575,930	\$113,562,991	
Operative builders	51	9,735,642	8,615,384	9,219,884	515,758	73	22,647,007	22,142,051	22,392,717	255,260	
General contractors	1,882	316,778,849	110,287,332	208,358,293	108,420,556	1,121	204,646,774	135,136,410	206,850,015	87,787,760	
Building	797	147,383,106	94,242,675	118,416,106	28,967,000	772	182,893,497	114,435,474	146,585,953	39,307,544	
Building not specialized	608	125,028,221	76,466,299	98,421,760	26,606,471	579	154,922,839	95,202,934	126,397,001	29,525,898	
Commercial building only	66	10,414,876	7,481,944	8,729,597	1,685,279	35	12,890,018	7,289,250	7,911,697	4,978,921	
Manufacturing building only	4	748,810	322,619	672,619	176,000	2					
Residential building only	124	11,191,890	9,971,813	10,692,140	499,250	156	15,080,040	11,943,290	13,277,255	1,802,785	
Highway											

CONSTRUCTION—UNITED STATES SUMMARY

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

CLASSIFICATION OF ESTABLISHMENTS	Estab- lish- ments report- ing	Total	In home city	In home State	Outside home State*	Estab- lish- ments report- ing	Total	In home city	In home State	Outside home State*
All classes of establishments—Continued.										
Subcontractors.....	094	\$92,853,008	\$91,499,237	\$75,940,653	\$10,913,255	090	\$105,834,180	\$63,636,290	\$80,324,198	\$25,500,982
Carpentering and wood flooring.....	9	547,499	398,237	460,784	90,715	6	463,442	346,809	349,269	114,173
Concreting.....	46	5,823,135	3,395,670	4,130,763	1,692,372	28	3,702,995	2,028,864	3,108,520	594,475
Electrical.....	137	9,814,375	8,161,974	9,076,832	737,643	118	11,152,133	4,610,971	8,891,545	2,260,588
Elevator construction.....	7	2,936,930	1,035,659	1,499,222	1,437,708	13	4,217,118	1,401,650	1,076,176	2,540,942
Heating and plumbing.....	394	31,445,366	24,093,319	27,940,303	3,505,064	352	38,208,604	23,970,584	20,149,035	9,059,569
Heating and piping.....	92	8,717,084	6,392,427	7,075,387	1,041,697	99	17,282,458	8,379,450	11,278,781	6,003,877
Pipe covering.....	6	1,400,985	333,959	577,807	823,118	3	476,804	189,091	289,302	187,502
Plumbing.....	175	12,670,405	11,255,527	12,109,800	469,605	180	14,955,830	11,471,648	12,925,540	2,030,190
Plumbing and heating combined.....	117	7,790,181	6,034,975	7,094,750	695,431	67	4,598,683	3,815,811	4,457,893	140,790
Automatic temperature control.....	3					2				
Automatic sprinkler systems.....	1	967,711	76,431	482,498	475,213	1	894,700	113,984	107,419	697,350
Masonry.....	24	3,742,095	2,941,049	3,482,055	260,640	44	7,397,794	5,959,725	6,287,176	1,110,618
Painting and decorating.....	60	3,874,291	3,594,235	3,770,884	203,407	55	3,575,685	3,060,080	3,377,167	198,518
Glass and glazing.....	7	980,125	813,089	907,088	79,027	4	573,340	416,591	500,140	73,200
Plastering and lathing.....	27	2,093,910	1,270,543	1,549,935	543,975	31	2,784,182	1,771,224	2,325,597	458,585
Roofing and sheet-metal work.....	124	3,186,042	6,430,688	7,580,851	605,191	121	9,736,268	6,931,401	8,549,683	1,186,585
Roofing.....	75	4,979,723	3,668,999	4,471,003	508,720	76	6,417,433	4,400,572	5,744,655	672,778
Sheet-metal work.....	35	2,309,852	1,993,030	2,216,159	93,693	28	2,091,808	1,584,479	1,709,784	382,024
Roofing and sheet metal com- bined.....	14	890,407	700,159	893,689	2,778	17	1,227,027	946,350	1,095,244	131,785
Steel erection.....	10	3,137,714	1,533,797	2,704,470	433,235	15	6,744,907	1,146,477	2,101,872	4,553,035
Stonework.....	7	983,047	823,518	969,550	14,397	17	3,072,063	1,608,142	2,017,700	454,368
Marble and tiling.....	60	5,135,000	3,579,484	4,371,196	764,704	72	8,850,068	5,389,105	6,791,872	2,058,190
Excavating.....	29	3,505,005	1,104,890	2,613,862	891,743	21	2,303,253	807,643	1,791,432	511,821
Ornamental iron.....	7	2,185,432	827,670	973,092	1,211,440	7	453,535	307,492	425,757	27,778
Highway.....	4	1,185,158		1,112,252	72,906	5	773,263	227,317	643,721	129,542
Bridge and culvert.....	3	441,779	11,500	258,241	183,538	2	115,027	112,885	195,856	19,142
Grading.....	10	798,336	88,248	230,188	568,148	3	215,027	(1)	(1)	(1)
Sewer, gas, water, conduit.....	1	(1)	(1)	(1)	(1)	1	555,879	266,622	555,579	(1)
Dredging, river, harbor, etc.....	1	(1)	(1)	(1)	(1)	3	(1)	(1)	(1)	(1)
Soundproofing.....	1	(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	(1)
Railroad.....	3	933,760	30,000	180,939	746,830	1				
Foundation.....	1	(1)	(1)	(1)	(1)	1				
Power plant.....	1	(1)	(1)	(1)	(1)	7	513,612	240,300	467,180	56,432
Metal work, n. e. s.....	17	3,883,405	1,079,561	1,638,620	2,244,785	3	193,830	76,764	100,415	83,415
Rental of equipment, trucking, etc.....	4	247,820	183,720	218,401	29,428	3				
Flooring, n. e. s.....	1	(1)	(1)	(1)	(1)	1				
Miscellaneous.....	1	(1)	(1)	(1)	(1)	1				
All classes of establishments.....										
Operative builders.....	14	1,319,004	1,147,261	1,319,904		29	3,901,131	3,898,461	3,901,131	
General contractors.....	491	115,580,432	40,169,881	88,875,552	26,704,880	898	226,656,776	102,032,231	203,677,305	22,979,471
Building not specialized.....	300	53,053,763	31,639,990	47,285,612	5,708,151	595	114,550,261	77,023,070	105,678,737	8,971,524
Building not specialized.....	234	45,603,938	20,158,116	39,990,987	5,608,651	438	99,948,980	64,489,529	91,319,378	8,627,602
Commercial building only.....	14	2,660,279	1,690,624	2,660,279		35	6,618,879	5,655,454	6,597,079	16,800
Manufacturing building only.....	2					3	695,494	325,398	371,805	328,089
Residential building only.....	59	4,789,846	3,791,250	4,025,346	164,500	119	7,296,908	6,847,689	7,203,475	8,433
Highway.....	71	25,813,543	1,378,880	16,983,556	8,820,987	112	36,123,794	2,656,496	32,310,378	3,813,386
Bridge and culvert.....	20	5,418,251	1,859,536	4,090,347	1,321,904	35	7,068,478	3,623,022	5,884,993	1,198,485
Grading.....	41	2,330,869	238,136	2,064,815	272,054	53	22,148,408	12,308,341	21,373,045	775,448
Street paving.....	20	8,193,696	3,789,985	5,875,841	2,317,855	25	7,094,139	3,518,031	6,066,315	697,873
Sewer, gas, water, conduit.....	14	2,854,478	1,017,406	1,604,929	1,249,549	9	5,119,721	713,798	3,212,833	1,906,838
Dam and reservoir.....	1	(1)	(1)	(1)	(1)	11	3,283,723	1,607,665	3,207,061	86,652
Waterworks.....	1	(1)	(1)	(1)	(1)	14	5,098,828	1,033,505	2,872,518	2,194,110
Dredging, river, harbor, etc.....	9	2,089,642		12,089	2,076,653	10	1,199,390	36,616	1,155,897	34,493
Levee.....	4	2,685,749	207,711	914,133	1,771,616	9	4,087,436	42,480	3,564,812	532,624
Railroad.....	1	(1)	(1)	(1)	(1)	0				
Foundation.....	1	(1)	(1)	(1)	(1)	1				
Central station, light and power plant.....	1	(1)	(1)	(1)	(1)	0	5,716,543	2,266,298	4,610,155	1,097,393
Oil and natural gas pipe line.....	1	(1)	(1)	(1)	(1)	9	13,580,472	53,000	12,216,898	1,369,574
Telephone line and system.....						0	(1)			(1)
Subcontractors.....	393	30,419,729	22,530,143	28,029,285	10,790,444	629	62,536,652	39,630,504	66,075,092	5,561,560
Carpentering and wood flooring.....	4	241,726	229,712	229,712	12,014	2	(1)		(1)	(1)
Concreting.....	13	1,306,924	1,072,127	1,306,924		25	1,277,490	942,664	1,219,162	58,337
Electrical.....	69	4,164,195	3,446,722	3,817,697	240,498	107	8,181,163	7,127,077	7,855,264	325,899
Elevator construction.....	4	305,128	252,539	306,128		6	3,841,080	409,880	2,485,740	1,355,840
Heating and plumbing.....	141	9,692,414	7,887,367	9,404,481	287,933	234	19,717,766	14,876,014	18,564,859	1,152,907
Heating and piping.....	38	3,017,819	2,436,596	2,832,001	185,218	21	2,418,183	1,289,839	2,258,819	159,364
Pipe covering.....	108	12,450,677	8,842,579	4,851,638	93,234	1	12,450,677	10,076,652	11,565,772	884,905
Plumbing.....	40	4,474,590	3,842,579	4,851,638	93,234	40	4,474,590	3,327,560	4,424,590	50,000
Plumbing and heating combined.....	1					1				
Automatic temperature control.....	3	1,720,723	1,588,182	1,720,242	9,481	3	374,316	181,673	315,078	58,638
Automatic sprinkler systems.....	1					8	606,059	423,080	506,059	
Masonry.....	18	1,854,725	1,094,509	1,886,610	468,115	32	1,429,284	1,246,147	1,429,284	
Painting and decorating.....	17	880,777	722,700	815,271	65,500	3	102,167	153,946	182,107	
Glass and glazing.....	4	663,260	464,975	521,625	141,625	3	3,259,518	2,167,840	3,120,649	138,869
Plastering and lathing.....	13	1,416,545	848,869	946,832	469,713	33	6,143,750	4,672,581	5,930,116	157,634
Roofing and sheet-metal work.....	65	4,420,985	3,505,180	4,335,332	94,653	33	4,032,907	2,837,254	3,905,975	129,932
Roofing.....	39	3,125,046	2,304,554	3,053,734	71,312	50	1,457,903	1,451,130	1,457,903	
Sheet-metal work.....	16	783,180	680,550	759,839	23,341	22				
Roofing and sheet metal com- bined.....	10	521,759	520,076	521,759		11	652,940	484,297	622,238	30,702
Steel erection.....	9	6,030,871	623,704	1,650,457	4,380,414	7	3,429,784	2,614,207	3,342,541	87,243
Stonework.....	6	279,391	284,471	269,891	3,882,395	9	860,882	405,065	821,556	30,326
Marble and tiling.....	22	6,016,913	1,602,401	2,134,518		43	4,604,768	2,956,467	4,314,741	200,027
Wrecking.....	1	648,357	86,882	248,357	400,000	10	749,253	581,546	749,253	
Excavating.....	3					5	473,165	314,326	473,165	
Ornamental iron.....	3	577,462	112,114	511,614						

See footnote at end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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

CLASSIFICATION OF ESTABLISHMENTS	Estab-lish-ments report-ing	Total	In home city	In home State	Outside home State*	Estab-lish-ments report-ing	Total	In home city	In home State	Outside home State*
EAST SOUTH CENTRAL—Continued										
WEST SOUTH CENTRAL—Continued										
MOUNTAIN										
PACIFIC										
All classes of establishments—Continued.										
Subcontractors—Continued.										
Highway	1									
Bridge and culvert	1									
Grading	2	\$347,902	\$57,578	\$317,742	\$30,160					
Street paving										
Waterworks										
Soundproofing	1	()	()	()	()					
Foundation	1	()	()	()	()					
Metal work, n. e. s.	2	170,412	99,022	138,412	38,000					
Pipe line	1									
Rental of equipment, trucking, etc.	2									
Flooring, n. e. s.	1	()	()	()	()					
Miscellaneous	1	()	()	()	()					
All classes of establishments—	688	\$20,109,323	\$48,322,355	\$72,423,127	\$13,741,166	3,316	\$522,593,466	\$307,919,261	\$496,539,285	\$26,054,181
Operative builders	11	837,463	687,223	837,453		82	9,315,410	8,410,095	9,262,819	52,600
General contractors	396	64,578,703	31,490,845	52,324,330	12,254,424	1,744	302,543,563	191,310,162	343,335,989	19,207,574
Building	252	31,838,924	25,499,734	29,815,467	1,823,457	1,204	219,591,806	139,562,592	212,605,958	7,026,848
Building not specialized	212	28,833,088	22,782,362	27,088,631	1,744,457	811	180,399,611	112,823,088	173,617,740	6,781,265
Commercial building only	10	804,689	726,589	725,689	70,000	70	10,289,699	8,188,831	10,289,699	
Manufacturing building only										
Residential building only	30	2,001,247	1,991,843	2,001,247		13	6,072,074	225,705	4,901,574	170,500
Highway	61	11,742,906	794,699	9,070,687	2,072,219	310	23,831,022	18,327,968	23,756,939	74,083
Bridge and culvert	11	1,556,220	319,958	1,014,763	541,427	143	35,496,883	5,895,654	31,379,120	4,116,757
Grading	22	2,287,811	81,178	1,912,293	375,518	49	13,668,478	3,465,634	12,203,861	1,464,617
Street paving	22	6,263,472	3,769,851	5,542,067	721,405	61	8,321,851	1,593,666	6,872,535	1,449,316
Sewer, gas, water, conduit	10	921,539	313,020	771,189	150,350	131	46,241,158	28,098,993	46,089,971	161,187
Dam and reservoir	6	985,914	136,381	497,194	488,810	54	8,134,990	3,971,684	7,982,005	162,895
Waterworks	1	()	()	()	()	25	10,461,165	2,098,998	9,124,420	1,336,739
Dredging, river, harbor, etc.	4	1,103,210	402,249	868,333	284,877	8	2,347,709	670,730	1,401,924	945,785
Levee						31	11,659,851	3,724,036	10,031,482	1,628,369
Railroad	3	5,823,971		2,423,728	3,400,243	2	()		()	
Foundation	1	()	()	()	()	8	1,633,201	39,469	921,506	711,785
Central station, light and power plant	2	()	()	()	()	5	290,563	128,849	290,563	
Air transport work						15	3,581,898	1,802,612	3,357,620	224,276
Oil and natural gas pipe line	1	()	()	()	()	1	()	()	()	
Vehicular subway and tunnel	1	()	()	()	()	5	779,774	184,426	779,774	
Telephone line and system						1	()	()	()	
Subcontractors	281	20,763,107	16,144,287	19,266,335	1,486,772	1,490	150,734,484	108,190,004	143,940,477	6,794,007
Carpentering and wood flooring						55	4,341,993	3,454,545	4,318,492	23,501
Concrete	9	803,484	606,640	726,842	77,642	45	3,333,069	2,053,512	3,097,436	235,633
Electrical	43	2,270,941	2,139,934	2,260,733	4,208	229	18,025,120	14,015,717	17,807,601	217,625
Elevator construction	1					11	5,380,218	1,748,382	3,563,253	1,822,965
Heating and plumbing	120	8,145,977	6,839,231	7,782,211	363,796	416	42,124,912	32,000,869	41,036,017	1,088,895
Heating and piping	27	2,365,834	1,791,076	2,186,213	169,621	84	9,045,300	6,717,277	8,853,456	181,844
Pipe covering						11	1,120,295	802,530	1,120,295	
Plumbing	61	3,772,673	3,191,989	3,636,631	136,142	265	25,258,825	20,639,624	24,640,027	600,798
Plumbing and heating combined	30	2,017,470	1,856,166	1,959,467	58,003	42	4,256,024	3,629,837	4,249,544	6,480
Automatic temperature control	2					2	2,444,468	811,001	2,163,695	280,773
Automatic sprinkler systems						12				
Masonry	15	958,887	801,479	945,687	13,809	61	4,649,240	3,400,816	4,415,872	233,368
Painting and decorating	18	893,956	880,536	885,980	8,000	121	8,273,595	6,811,732	7,891,466	381,629
Glass and glazing	3	289,402	194,841	267,476	21,927	26	2,822,303	1,905,111	2,771,066	51,237
Plastering and lathing	14	645,292	598,245	640,182	5,110	60	8,840,123	6,874,083	8,271,333	568,790
Roofing and sheet-metal work	25	2,142,134	1,608,522	2,050,431	91,703	169	11,528,270	9,218,967	11,197,865	330,405
Roofing	12	1,157,136	682,420	1,070,433	80,703	85	5,947,183	4,911,301	5,871,295	75,888
Sheet-metal work	12					69	5,252,405	3,963,807	4,997,888	254,617
Roofing and sheet metal combined	1	684,698	623,102	973,998	11,000	5	328,682	323,559	328,682	
Steel erection	7	1,753,666	1,422,762	1,601,418	152,248	29	16,994,880	9,961,720	16,274,550	719,336
Stonework						7	636,251	503,048	627,204	9,047
Marble and tiling	13	1,088,907	800,586	926,744	162,563	107	11,185,538	8,548,953	10,675,082	510,456
Wrecking						4	222,903	96,334	222,903	
Excavating	4	1,182,363	55,445	621,926	560,437	37	4,153,503	1,707,055	4,067,551	85,952
Ornamental iron	1	()	()	()	()	30	2,331,770	1,942,860	2,220,057	102,713
Highway	2	184,573		184,573		2	132,116	19,800	132,116	
Bridge and culvert	2					1				
Grading						6	574,052	131,757	574,052	
Street paving	1	()	()	()	()	4	702,881	576,881	702,881	
Sewer, gas, water, conduit						2				
Waterworks						1				
Dredging, river, harbor, etc.						3	293,499	147,623	293,499	
Soundproofing						4	690,520	319,635	552,781	27,739
Power plant						2	()	()	()	
Metal work, n. e. s.	2	()	()	()	()	12	1,584,758	699,358	1,237,779	346,979
Rental of equipment, trucking, etc.	1	()	()	()	()	1	()	()	()	
Flooring, n. e. s.						19	1,183,970	795,595	1,161,945	32,025

1 Value omitted in order to avoid disclosing individual operations. The amounts omitted are, however, included in the respective totals.
 * A further analysis of construction business outside the home State is printed in Table 4.

CONSTRUCTION—UNITED STATES SUMMARY

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

(NOTE.—Each section of this table relates to that part of the construction business of establishments (whose business offices were situated in the designated Geographic Division) which was done outside the home State. The actual location of work is, therefore, reported according to State and not Geographic Division boundaries. For example, in the section for the Middle Atlantic Division, construction business valued at \$40,448,118 was located in New York, which is one of the States of that division. This amount represents business located in New York which was reported by establishments situated in New Jersey and Pennsylvania, the other member States of the same division)

LOCATION OF BUSINESS BY STATE OR COUNTRY (Excluding business in home State)	LOCATION REPORTED BY—			LOCATION OF BUSINESS BY STATE OR COUNTRY (Excluding business in home State)	LOCATION REPORTED BY—		
	All classes of establishments	General contractors	Subcontractors		All classes of establishments	General contractors	Subcontractors
ESTABLISHMENTS LOCATED THROUGHOUT THE UNITED STATES.				ESTABLISHMENTS LOCATED IN NEW ENGLAND DIVISION—Continued			
Establishments reporting.....	4, 445	2, 184	2, 261	United States—Continued.			
Grand total—United States and foreign.....	\$1, 057, 352, 825	\$206, 915, 813	\$250, 437, 012	Massachusetts.....	\$5, 820, 341	\$4, 308, 948	\$1, 511, 393
United States total.....	1, 033, 591, 615	787, 425, 887	246, 165, 728	Michigan.....	1, 761, 349	1, 743, 055	7, 684
Alabama.....	19, 033, 109	10, 481, 803	2, 551, 306	Mississippi.....	350	350	-----
Arizona.....	7, 620, 887	5, 541, 272	2, 088, 015	Missouri.....	2, 915, 050	2, 015, 050	-----
Arkansas.....	11, 622, 638	10, 767, 028	1, 045, 010	Nebraska.....	146, 750	146, 750	-----
California.....	18, 258, 548	14, 040, 050	3, 308, 892	New Hampshire.....	14, 840, 374	14, 253, 787	692, 587
Colorado.....	4, 403, 232	3, 720, 920	0, 70, 312	New Jersey.....	2, 703, 095	1, 807, 800	730, 155
Connecticut.....	38, 538, 020	32, 152, 754	6, 385, 286	New York.....	31, 001, 195	27, 337, 121	3, 724, 044
Delaware.....	7, 098, 629	6, 053, 198	1, 045, 812	North Carolina.....	1, 020, 347	1, 407, 388	122, 959
District of Columbia.....	15, 543, 618	9, 380, 806	6, 102, 812	Ohio.....	719, 457	452, 873	260, 584
Florida.....	7, 005, 064	6, 349, 078	6, 260, 286	Pennsylvania.....	8, 133, 054	7, 007, 803	525, 761
Georgia.....	10, 281, 502	7, 815, 872	2, 965, 630	Rhode Island.....	6, 378, 110	5, 858, 083	990, 027
Idaho.....	2, 300, 249	2, 003, 298	1, 250, 286	South Carolina.....	875, 787	871, 207	4, 560
Illinois.....	54, 523, 051	43, 920, 397	2, 965, 630	South Dakota.....	3, 539	3, 539	-----
Indiana.....	32, 087, 044	24, 511, 914	8, 02, 951	Tennessee.....	224, 000	26, 200	188, 700
Iowa.....	13, 013, 287	11, 300, 035	10, 002, 084	Texas.....	4, 375, 800	4, 375, 800	-----
Kansas.....	14, 103, 734	11, 314, 329	8, 175, 130	Vermont.....	7, 375, 257	4, 014, 034	461, 223
Kentucky.....	14, 182, 820	11, 494, 848	1, 014, 252	Virginia.....	4, 088, 058	4, 082, 806	5, 253
Louisiana.....	14, 013, 783	11, 087, 154	2, 870, 405	Washington.....	6, 210, 550	6, 210, 550	-----
Maine.....	8, 828, 146	7, 952, 533	2, 087, 072	Wisconsin.....	167, 453	167, 453	-----
Maryland.....	10, 905, 037	14, 977, 018	2, 320, 026	Wyoming.....	4, 050	4, 050	-----
Massachusetts.....	18, 323, 558	12, 861, 503	876, 013	Other States, n. s.....	2, 318, 025	1, 598, 109	723, 516
Michigan.....	35, 700, 251	23, 443, 930	4, 988, 010	Canada.....	68, 469	68, 469	-----
Minnesota.....	7, 855, 590	6, 029, 074	5, 971, 095	Europe.....	69, 378	69, 378	-----
Mississippi.....	9, 078, 977	7, 902, 047	12, 346, 315	Foreign countries, n. s.....	1, 363, 050	1, 363, 050	-----
Missouri.....	30, 000, 007	32, 600, 160	1, 829, 516	ESTABLISHMENTS LOCATED IN MIDDLE ATLANTIC DIVISION			
Montana.....	4, 850, 386	4, 343, 945	1, 170, 930	Establishments reporting.....	1, 127	460	667
Nebraska.....	4, 105, 231	3, 319, 327	3, 309, 947	Grand total—United States and foreign.....	\$367, 817, 058	\$264, 783, 198	\$93, 033, 860
Nevada.....	2, 261, 187	2, 015, 035	500, 441	United States.....	\$46, 280, 266	264, 789, 725	90, 489, 541
New Hampshire.....	17, 980, 891	17, 233, 202	785, 904	Alabama.....	2, 994, 372	2, 933, 485	60, 887
New Jersey.....	103, 742, 802	77, 612, 522	245, 582	Arizona.....	99, 055	99, 105	3, 850
New Mexico.....	2, 926, 778	2, 651, 772	753, 680	Arkansas.....	300, 308	179, 297	121, 071
New York.....	99, 902, 092	70, 922, 440	20, 130, 280	California.....	6, 574, 978	6, 210, 902	1, 358, 076
North Carolina.....	17, 755, 588	14, 428, 034	275, 000	Colorado.....	1, 212, 004	1, 212, 609	95
North Dakota.....	4, 412, 007	3, 850, 094	8, 175, 130	Connecticut.....	20, 294, 370	20, 208, 726	3, 085, 044
Ohio.....	38, 853, 010	28, 056, 376	28, 980, 252	Delaware.....	5, 770, 755	4, 890, 793	885, 062
Oklahoma.....	9, 201, 353	6, 806, 310	3, 327, 554	District of Columbia.....	4, 454, 037	1, 823, 053	2, 630, 099
Oregon.....	4, 114, 971	3, 431, 705	692, 543	Florida.....	890, 931	684, 955	214, 970
Pennsylvania.....	08, 434, 054	51, 173, 112	10, 797, 543	Georgia.....	842, 524	622, 264	220, 260
Rhode Island.....	9, 702, 511	8, 066, 497	2, 895, 037	Illinois.....	15, 084, 318	13, 018, 133	1, 760, 185
South Carolina.....	10, 024, 221	12, 747, 153	689, 206	Indiana.....	6, 413, 938	6, 172, 003	241, 955
South Dakota.....	2, 504, 581	2, 200, 245	17, 201, 542	Iowa.....	2, 863, 014	2, 122, 808	12, 528
Tennessee.....	10, 812, 097	17, 414, 619	1, 630, 944	Kansas.....	3, 477, 794	3, 477, 794	-----
Texas.....	37, 349, 355	30, 282, 439	369, 382	Kentucky.....	229, 813	208, 041	18, 178
Utah.....	2, 147, 011	1, 654, 628	2, 895, 037	Louisiana.....	2, 513, 198	2, 038, 728	474, 700
Vermont.....	9, 012, 822	8, 500, 640	689, 206	Maine.....	3, 026, 339	2, 900, 972	119, 307
Virginia.....	14, 902, 805	11, 780, 203	889, 206	Maryland.....	1, 609, 733	1, 527, 202	82, 631
Washington.....	18, 085, 422	16, 836, 949	17, 201, 542	Massachusetts.....	7, 946, 924	4, 594, 578	3, 352, 346
West Virginia.....	16, 553, 057	14, 190, 043	1, 630, 944	Michigan.....	10, 223, 370	7, 314, 006	2, 900, 304
Wisconsin.....	13, 982, 705	10, 504, 911	309, 382	Mississippi.....	12, 797, 713	6, 031, 616	5, 860, 037
Wyoming.....	2, 048, 873	2, 279, 491	309, 382	Minnesota.....	1, 784, 830	1, 715, 437	85, 599
Other States, n. s.....	70, 920, 325	31, 215, 406	30, 704, 010	Missouri.....	1, 032, 510	988, 955	370, 800
Outlying possessions of U. S.	1, 002, 421	608, 020	483, 792	Nebraska.....	3, 572, 997	3, 202, 167	65, 374
Canada.....	7, 418, 975	6, 915, 855	603, 120	New Hampshire.....	72, 025	4, 551	77, 109
Other North and Central America.....	6, 861, 509	6, 056, 245	805, 324	Nebraska.....	2, 000, 766	2, 823, 857	21, 747, 794
South America.....	1, 934, 374	169, 510	1, 704, 804	New Jersey.....	92, 029, 432	70, 881, 038	12, 466
Europe.....	601, 326	601, 326	601, 326	New Mexico.....	25, 150	12, 384	16, 040, 705
Asia.....	2, 384, 246	2, 377, 330	6, 910	New York.....	40, 448, 118	23, 501, 323	468, 452
Africa.....	-----	-----	-----	North Carolina.....	3, 544, 926	3, 086, 474	8, 129
Foreign countries, n. s.....	3, 468, 299	2, 761, 025	707, 274	North Dakota.....	66, 305	58, 176	2, 223, 633
ESTABLISHMENTS LOCATED IN NEW ENGLAND DIVISION	601	241	260	Ohio.....	11, 513, 998	9, 537, 303	30, 936
Establishments reporting.....				Oklahoma.....	400, 454	429, 518	7, 471
Grand total—United States and foreign.....	\$129, 141, 336	\$115, 752, 194	\$13, 389, 142	Oregon.....	147, 857	140, 380	7, 681, 019
United States.....	127, 640, 439	114, 319, 766	13, 320, 873	Pennsylvania.....	25, 361, 500	17, 780, 571	669, 941
Alabama.....	749, 234	749, 234	-----	Rhode Island.....	3, 107, 509	2, 537, 508	656, 023
California.....	3, 539, 950	3, 539, 950	-----	South Carolina.....	803, 893	147, 870	-----
Connecticut.....	8, 376, 530	5, 879, 177	2, 497, 353	South Dakota.....	17, 494	17, 494	-----
Delaware.....	200, 000	200, 000	-----	Tennessee.....	1, 080, 530	1, 025, 448	770, 448
District of Columbia.....	1, 784, 250	1, 765, 100	19, 150	Texas.....	10, 534, 642	9, 704, 194	6, 290
Florida.....	505, 452	504, 952	500	Utah.....	31, 939	25, 649	44, 836
Georgia.....	118, 550	118, 550	-----	Vermont.....	1, 500, 508	1, 455, 072	739, 333
Illinois.....	103, 677	-----	163, 677	Virginia.....	2, 014, 123	2, 874, 790	7, 500
Indiana.....	665, 959	665, 959	-----	West Virginia.....	17, 782	10, 282	540, 369
Iran.....	309, 100	309, 100	-----	Wisconsin.....	6, 209, 914	5, 669, 545	211, 251
Kansas.....	1, 514, 015	1, 374, 915	140, 000	Wyoming.....	1, 206, 250	1, 085, 008	7, 044
Louisiana.....	7, 039, 394	6, 400, 368	639, 028	Other States, n. s.....	20, 165, 939		

CONSTRUCTION—UNITED STATES SUMMARY

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

LOCATION OF BUSINESS BY STATE OR COUNTRY (Excluding business in home State)	LOCATION REPORTED BY—			LOCATION OF BUSINESS BY STATE OR COUNTRY (Excluding business in home State)	LOCATION REPORTED BY—		
	All classes of establishments	General contractors	Subcontractors		All classes of establishments	General contractors	Subcontractors
ESTABLISHMENTS LOCATED IN MIDDLE ATLANTIC DIVISION—Continued				ESTABLISHMENTS LOCATED IN WEST NORTH CENTRAL DIVISION—Continued			
Grand total—United States and foreign—Continued.				United States—Continued.			
Outlying possessions of U. S.				Colorado.....	\$1,246,047	\$790,466	\$465,581
Canada.....	\$127,295	\$114,412	\$12,883	Connecticut.....	1,268	1,268	1,268
Other North and Central America.....	1,939,040	1,803,989	135,051	District of Columbia.....	268,648	248,857	24,791
South America.....	4,655,073	4,565,571	90,402	Florida.....	3,209,016	88,226	6,205
Europe.....	1,902,804	138,000	1,764,804	Georgia.....	87,053	57,587	30,360
Asia.....	63,000	53,000		Idaho.....	17,893	10,518	1,375
Foreign countries, n. s.....	1,917,436	1,910,528	6,910	Illinois.....	16,994,046	14,237,898	2,720,148
	1,932,184	1,897,975	534,209	Indiana.....	3,209,016	2,998,802	300,154
				Iowa.....	7,703,476	6,870,251	824,225
				Kansas.....	10,092,494	8,318,425	1,774,069
				Kentucky.....	717,498	688,568	128,930
				Louisiana.....	629,284	380,000	142,684
				Maryland.....	159,449	157,946	1,503
				Massachusetts.....	174,573	170,000	4,573
				Michigan.....	4,362,361	3,777,572	684,789
				Minnesota.....	970,293	806,900	163,393
				Mississippi.....	309,011	273,826	35,185
				Missouri.....	11,255,298	10,470,207	785,091
				Montana.....	2,352,321	2,251,497	100,824
				Nebraska.....	2,239,623	2,096,275	143,348
				Nevada.....	1,168,848	1,082,297	86,551
				New Jersey.....	203,203	197,003	5,600
				New Mexico.....	6,804,693	6,698,935	105,758
				New York.....	168,185	155,619	2,520
				North Carolina.....	3,028,885	3,233,772	395,113
				North Dakota.....	5,775,069	5,364,084	410,085
				Ohio.....	4,068,882	3,149,285	919,597
				Oklahoma.....	1,112,990	1,112,990	
				Oregon.....	761,449	569,271	192,178
				Pennsylvania.....	5,000	5,000	5,000
				Rhode Island.....	14,608		14,608
				South Carolina.....	2,117,623	1,862,582	255,041
				South Dakota.....	218,748	153,170	65,573
				Tennessee.....	12,250,430	10,365,461	1,890,969
				Texas.....	603,209	539,039	64,170
				Utah.....	18,775	18,175	
				Vermont.....	204,890	203,738	1,152
				Virginia.....	769,244	736,071	33,173
				Washington.....	1,481,201	1,479,502	1,699
				West Virginia.....	6,655,707	5,750,030	905,677
				Wisconsin.....	671,745	601,568	70,177
				Wyoming.....	7,464,781	4,730,703	2,734,073
				Other States, n. s.....			
				Canada.....	175,515	120,049	55,466
				South America.....	5,000	5,000	
				ESTABLISHMENTS LOCATED IN SOUTH ATLANTIC DIVISION			
				Establishments reporting.....	624	280	244
				Grand total—United States and foreign.....	\$113,552,991	\$88,043,009	\$25,509,982
				United States.....	112,562,528	87,100,046	25,482,482
				Alabama.....	10,120,660	8,520,838	1,608,822
				Arkansas.....	144,180	88,400	55,780
				California.....	107,631	107,631	
				Connecticut.....	76,512	28,787	47,725
				Delaware.....	934,963	846,347	88,616
				District of Columbia.....	8,227,701	5,495,691	2,732,010
				Florida.....	3,322,798	3,371,405	451,303
				Georgia.....	4,412,681	2,887,084	1,575,597
				Illinois.....	3,370,536	370,793	87,661
				Indiana.....	180,084	267,475	
				Iowa.....	218,412	155,000	
				Kansas.....	312,411	282,411	80,000
				Kentucky.....	4,119,636	3,625,401	494,235
				Louisiana.....	2,060,284	1,725,702	940,582
				Maine.....	4,330		
				Maryland.....	4,157,274	3,010,980	1,146,814
				Massachusetts.....	73,000		73,000
				Michigan.....	296,360		296,360
				Mississippi.....	544,539	356,424	188,165
				Missouri.....	677,523	674,389	3,134
				Nebraska.....	261,500		251,700
				New Hampshire.....	155,758	155,758	
				New Jersey.....	1,870,417	880,430	989,987
				New Mexico.....	63,625	63,625	
				New York.....	2,460,680	2,006,142	454,538
				North Carolina.....	7,623,109	5,153,023	2,470,086
				Ohio.....	4,212,594	3,076,035	1,136,569
				Oklahoma.....	30,000		30,000
				Pennsylvania.....	15,908,463	12,982,968	2,925,495
				Rhode Island.....	5,608	5,608	
				South Carolina.....	12,357,085	9,890,579	2,466,516
				Tennessee.....	10,599,403	9,425,870	1,173,527
				Texas.....	325,797	131,874	193,923
				Vermont.....	16,000	16,000	
				Virginia.....	6,178,189	4,252,381	1,925,798
				West Virginia.....	3,963,119	3,088,941	864,178
				Other States, n. s.....	5,041,322	4,280,831	760,491
				Other North and Central America.....	966,735	919,235	47,500
				Europe.....	23,728	23,728	
				ESTABLISHMENTS LOCATED IN EAST NORTH CENTRAL DIVISION			
				Establishments reporting.....	821	375	448
				Grand total—United States and foreign.....	\$225,180,139	\$148,202,149	\$76,967,990
				United States.....	218,435,287	141,894,217	76,541,070
				Alabama.....	1,035,936	643,538	395,098
				Arizona.....	5,850		5,850
				Arkansas.....	1,643,981	1,647,982	95,999
				California.....	1,287,895		1,287,895
				Colorado.....	1,307,602	1,092,080	215,522
				Connecticut.....	799,350	38,064	753,286
				Delaware.....	183,911	126,058	57,853
				District of Columbia.....	808,362	52,500	755,862
				Florida.....	290,454	117,784	172,670
				Georgia.....	1,650,017	872,845	677,172
				Idaho.....	49,761		49,761
				Illinois.....	18,753,716	13,301,425	5,452,291
				Indiana.....	21,303,960	18,832,252	7,471,708
				Iowa.....	4,400,167	3,634,122	766,045
				Kansas.....	2,050,225	1,325,079	725,146
				Kentucky.....	5,616,241	4,363,404	1,252,837
				Louisiana.....	1,017,561	866,475	151,086
				Maine.....	174,639	20,555	154,084
				Maryland.....	7,378,503	6,890,647	487,856
				Massachusetts.....	2,632,274	1,058,009	1,473,665
				Michigan.....	10,018,909	10,633,987	5,370,922
				Minnesota.....	5,101,218	3,506,689	1,594,524
				Mississippi.....	706,693	500,900	145,793
				Missouri.....	13,769,177	11,713,844	2,055,333
				Montana.....	274,685	106,186	168,399
				Nebraska.....	1,229,928	947,700	282,228
				Nevada.....	9,776		9,776
				New Hampshire.....	83,993		83,993
				New Jersey.....	5,370,110	2,800,287	2,569,813
				New Mexico.....	62,440	49,407	21,073
				New York.....	18,462,636	10,779,919	7,683,717
				North Carolina.....	2,961,483	2,734,395	227,093
				North Dakota.....	331,786	172,465	159,301
				Ohio.....	14,668,122	8,345,127	6,322,995
				Oklahoma.....	2,161,441	1,664,525	496,910
				Oregon.....	143,261		143,261
				Pennsylvania.....	17,883,802	11,498,836	5,384,966
				Rhode Island.....	206,286	185,210	71,076
				South Carolina.....	606,883	543,000	62,883
				South Dakota.....	206,925	101,169	105,756
				Tennessee.....	2,683,767	1,942,029	741,738
				Texas.....	6,044,283	2,873,747	3,370,536
				Utah.....	180,664		180,664
				Vermont.....	102,882	107,059	223
				Virginia.....	623,206	300,794	218,412
				Washington.....	3,897,801	2,451,324	416,477
				West Virginia.....	3,908,127	3,081,354	836,783
				Wisconsin.....	5,893,286	3,502,420	2,360,866
				Wyoming.....	104,197		104,197
				Other States, n. s.....	24,309,829	11,792,945	12,516,884
				Canada.....	5,235,672	4,991,817	243,855
				Other North and Central America.....	367,574	367,574	
				South America.....	20,510	20,510	
				Europe.....	455,221	455,221	
				Asia.....	466,810	466,810	
				Foreign countries, n. s.....	173,065		173,065
				ESTABLISHMENTS LOCATED IN WEST NORTH CENTRAL DIVISION			
				Establishments reporting.....	619	358	261
				Grand total—United States and foreign.....	\$125,849,569	\$108,936,314	\$18,913,256
				United States.....	125,669,064	108,811,285	18,857,789
				Alabama.....	905,734	805,396	100,338
				Arizona.....	725		725
				Arkansas.....	4,232,749	3,9	

CONSTRUCTION—UNITED STATES SUMMARY

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

LOCATION OF BUSINESS BY STATE OR COUNTRY (Excluding business in home State)	LOCATION REPORTED BY—			LOCATION OF BUSINESS BY STATE OR COUNTRY (Excluding business in home State)	LOCATION REPORTED BY—		
	All classes of establishments	General contractors	Subcontractors		All classes of establishments	General contractors	Subcontractors
ESTABLISHMENTS LOCATED IN EAST SOUTH CENTRAL DIVISION				ESTABLISHMENTS LOCATED IN MOUNTAIN DIVISION			
Establishments reporting.....	187	107	80	Establishments reporting.....	107	67	40
United States.....	\$37,495,324	\$26,704,880	\$10,790,444	Grand total—United States and foreign.....	\$13,741,190	\$12,254,424	\$1,486,772
Alabama.....	2,036,613	1,800,517	227,096	United States.....	13,733,186	12,246,424	1,486,772
Arkansas.....	2,344,120	2,736,425	107,095	Arizona.....	725,449	703,355	22,094
Florida.....	1,017,251	974,078	43,173	California.....	2,068,643	1,503,856	564,787
Georgia.....	3,234,775	2,807,506	427,269	Colorado.....	240,405	236,108	4,297
Illinois.....	1,136,068	900,139	235,929	Idaho.....	843,155	629,728	213,427
Indiana.....	697,130	575,363	121,767	Kansas.....	28,212	19,360	8,852
Iowa.....	548,787	548,787	-----	Louisiana.....	1,377,792	1,377,792	-----
Kansas.....	104,973	90,643	14,330	Montana.....	938,819	920,092	68,727
Kentucky.....	1,088,823	945,823	438,000	Nebraska.....	60,512	20,058	40,454
Louisiana.....	1,205,836	1,192,722	13,114	Nevada.....	577,227	525,373	51,854
Michigan.....	207,862	-----	207,862	New Mexico.....	630,785	571,898	68,447
Mississippi.....	4,463,296	4,122,425	340,871	North Dakota.....	385,051	385,051	-----
Missouri.....	1,671,178	1,658,024	12,554	Ohio.....	158,009	158,009	-----
Nebraska.....	65,952	65,952	-----	Oklahoma.....	74,183	55,853	18,300
New York.....	27,792	-----	27,792	Oregon.....	1,030,782	1,052,782	8,000
North Carolina.....	1,809,691	1,779,095	30,596	South Dakota.....	210,000	210,000	-----
Ohio.....	1,493,740	1,071,419	422,321	Texas.....	131,259	-----	131,259
Oklahoma.....	17,200	-----	17,200	Utah.....	700,186	766,457	3,720
Pennsylvania.....	649,364	498,573	150,791	Washington.....	903,803	861,197	42,600
South Carolina.....	1,322,616	1,294,497	28,119	Wyoming.....	1,032,022	1,512,467	179,555
Tennessee.....	2,717,400	2,568,550	148,850	Other States, n. s.....	793,582	723,288	66,204
Texas.....	287,069	185,000	122,069	Other North and Central America.....	8,000	8,000	-----
Virginia.....	294,339	65,745	228,594				
West Virginia.....	1,000,696	900,721	99,975	ESTABLISHMENTS LOCATED IN PACIFIC DIVISION			
Other States, n. s.....	7,557,753	233,276	7,324,477	Establishments reporting.....	277	129	148
ESTABLISHMENTS LOCATED IN WEST SOUTH CENTRAL DIVISION				Grand total—United States and foreign.....	\$26,054,131	\$19,280,174	\$3,794,007
Establishments reporting.....	282	167	115	United States.....	24,236,254	18,570,093	5,666,181
Grand total—United States and foreign.....	\$28,641,031	\$32,979,471	\$5,561,560	Arizona.....	5,556,879	3,613,119	1,943,760
United States.....	28,630,287	22,979,471	5,560,796	California.....	2,062,843	2,622,953	30,890
Alabama.....	1,178,500	1,019,495	159,065	Colorado.....	113,579	112,762	817
Arizona.....	1,241,023	1,128,093	112,330	Idaho.....	1,396,440	1,357,052	38,888
Arkansas.....	2,457,240	2,286,640	170,700	Illinois.....	25,488	-----	25,488
California.....	505,295	505,295	-----	Kansas.....	150,000	80,000	70,000
Colorado.....	282,095	282,095	-----	Louisiana.....	28,137	-----	28,137
Florida.....	975,647	608,188	367,459	Michigan.....	60,000	60,000	-----
Georgia.....	35,002	36	34,966	Montana.....	1,171,033	1,002,572	168,491
Illinois.....	1,415,945	1,271,000	144,945	Nevada.....	1,074,184	1,400,262	183,922
Indiana.....	39,898	-----	39,898	New Mexico.....	180,733	182,943	3,790
Iowa.....	70,431	58,977	11,454	New York.....	37,008	-----	37,008
Kansas.....	924,509	680,670	243,830	North Carolina.....	12,000	12,000	-----
Kentucky.....	232,424	232,424	-----	Oklahoma.....	67,282	67,282	-----
Louisiana.....	2,647,635	1,855,976	791,659	Oregon.....	1,031,893	1,107,359	524,584
Michigan.....	295,697	292,096	3,601	Pennsylvania.....	235,000	235,000	-----
Minnesota.....	48	48	-----	Texas.....	551,798	360,620	191,178
Mississippi.....	2,022,102	1,599,167	423,025	Utah.....	535,858	303,723	232,130
Missouri.....	2,198,874	2,055,029	142,945	Washington.....	7,235,877	5,437,250	1,748,627
Montana.....	63,598	63,598	-----	Wyoming.....	169,215	160,800	8,400
Nebraska.....	35,041	38,041	-----	Other States, n. s.....	735,377	314,385	420,992
New Mexico.....	1,745,842	1,583,112	162,730	Outlying possessions of U. S.....	965,126	494,217	470,909
North Carolina.....	15,842	-----	15,842	Canada.....	279	-----	279
Ohio.....	12,272	756	11,516	Other North and Central America.....	852,522	195,394	656,658
Oklahoma.....	2,321,941	1,439,353	882,088				
Oregon.....	18,188	18,188	-----				
Pennsylvania.....	1,332	-----	1,332				
South Carolina.....	44,359	-----	44,359				
Tennessee.....	2,278,354	2,263,646	14,708				
Texas.....	2,842,277	2,445,743	396,534				
Utah.....	20,755	-----	20,755				
Washington.....	71,275	71,275	-----				
Other States, n. s.....	2,533,117	1,156,975	1,376,142				
Other North and Central America.....	10,764	-----	10,764				

CONSTRUCTION—UNITED STATES SUMMARY

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

CLASSIFICATION OF ESTABLISHMENTS	Estab-lish-ments report- ing	PROPRIETORS AND FIRM MEMBERS			SALARIED EMPLOYEES									
		Re-ceiving no salary	Receiving salaries		All salaried employ-ees		Officers and clerical staff		Superintendents, foremen, etc.		Number reported, by sex			Sex not re-ported
			Num-ber	Total an-nual sala-ries	Total number	Total annual salaries	Num-ber	Total annual salaries	Num-ber	Total annual salaries	Total	Male	Fe-male	
UNITED STATES														
All classes of establishments	39,699	16,811	10,245	\$34,281,776	102,896	\$302,067,084	59,266	\$185,070,296	43,570	\$116,986,788	81,343	76,184	15,143	11,488
Operative builders	700	485	128	446,840	1,440	3,957,490	896	2,519,760	545	1,437,700	1,289	998	291	151
General contractors	14,446	9,054	4,166	15,603,263	61,397	187,084,370	30,049	105,076,509	31,348	82,007,801	55,119	48,178	6,941	6,278
Building	9,003	6,820	2,861	10,519,498	33,636	106,632,402	18,098	63,104,176	15,538	43,528,220	29,986	25,281	4,705	3,650
Building not specialized	6,923	4,618	2,185	8,273,773	27,471	80,311,976	14,324	52,484,771	13,147	30,827,205	24,434	20,700	3,734	3,037
Commercial building only		304	104	331,497	1,746	5,300,436	1,038	3,278,551	708	2,021,885	1,501	1,345	246	155
Manufacturing building only	75	37	15	81,763	1,406	4,356,650	1,005	2,818,752	491	1,537,898	1,389	1,181	208	107
Residential building only	2,385	1,861	554	1,832,465	2,923	7,063,340	1,731	4,522,102	1,192	3,141,238	2,572	2,055	517	351
Highway	1,489	1,046	460	1,837,092	7,936	20,470,906	2,962	9,706,081	4,974	10,073,925	7,180	6,038	542	750
Bridge and culvert	465	328	125	498,005	2,393	7,022,077	943	3,473,195	1,450	3,548,882	2,110	1,932	184	277
Grading	389	339	120	388,462	1,146	2,854,918	463	1,491,649	683	1,363,250	1,033	938	95	113
Street paving	967	593	308	1,131,874	4,433	14,832,004	1,968	8,058,448	2,515	6,273,560	3,955	3,583	372	528
Sewer, gas, water, conduit	84	50	21	76,324	485	1,667,825	216	972,302	209	695,523	418	300	28	67
Dam and reservoir	104	49	31	193,738	985	2,821,228	500	1,493,555	485	1,327,073	908	770	132	77
Water works	188	84	49	88,409	1,600	6,032,581	896	3,093,368	794	2,339,213	1,488	1,337	151	202
Dredging, river, harbor, etc.	34	16	7	25,700	152	440,597	78	260,609	74	179,988	122	112	10	30
Levee	135	42	23	118,455	2,019	6,164,558	660	2,842,941	1,359	3,321,617	1,929	1,800	129	90
Railroad	55	27	22	63,405	151	516,448	81	314,020	70	202,410	125	110	15	26
Foundation														
Central station, light and power plant	82	33	10	95,528	2,388	5,460,949	1,566	3,224,095	822	2,230,854	2,373	2,097	276	150
Air transport work	7	5			65	193,791	35	121,246	30	72,545	35	31	4	3
Refuse disposal plant	7	3			34	143,487	20	80,288	14	63,199	28	25	3	6
Oil and natural gas pipe line	22	13	9	34,420	456	1,421,226	191	727,429	205	603,707	380	342	38	76
Subway (other than buildings)	24	3	1	14,000	961	3,930,173	348	1,941,372	613	1,997,801	799	738	61	162
Vehicular subway and tunnel	3	5			14	50,764	11	37,564	3	13,200	14	12	2	
Telephone line and system	9	5	2	4,600	170	388,677	72	161,770	98	226,898	104	148	16	6
Radio tower, etc.	1													
Subcontractors	14,554	6,672	5,951	20,226,673	39,999	111,025,224	28,322	77,473,937	11,677	33,551,287	34,935	27,018	7,917	5,004
Carpentering and wood flooring	368	193	167	553,137	750	2,210,732	525	1,566,896	225	649,886	674	545	129	76
Concreting	468	280	137	441,406	1,449	4,749,015	793	2,874,173	686	1,874,842	1,369	1,160	199	60
Electrical	1,867	654	745	2,733,924	5,712	15,243,318	4,290	11,292,920	1,416	3,950,398	5,049	3,753	1,296	663
Elevator construction	119	10	11	50,723	795	2,265,537	504	1,381,184	201	884,353	758	613	145	37
Heating and plumbing	5,424	2,514	2,479	7,988,498	12,489	33,579,974	9,564	24,827,109	2,925	8,752,865	10,635	7,600	2,945	1,854
Heating and piping	1,371	497	548	1,779,677	4,211	12,365,583	3,140	9,128,321	1,071	3,237,262	3,692	2,820	872	519
Pipe covering	57	13	9	32,046	367	1,043,371	273	798,070	94	245,292	300	239	61	67
Plumbing	2,749	1,415	1,312	4,252,125	5,301	13,698,174	4,112	10,055,809	1,189	3,642,365	4,447	3,121	1,326	854
Plumbing and heating com- bined	1,178	575	606	1,904,760	2,127	5,111,609	1,711	3,940,969	416	1,170,700	1,734	1,148	586	393
Automatic temperature con- trol	23				112	425,472	103	391,987	9	33,485	112	74	38	
Automatic sprinkler systems	46	14	4	19,890	371	935,705	225	511,944	146	423,761	350	288	62	21
Masonry	658	498	255	896,574	1,242	3,734,949	616	1,925,002	626	1,809,047	1,124	970	164	118
Painting and decorating	1,069	595	449	1,618,676	2,115	5,855,754	1,494	4,125,553	621	1,730,201	1,829	1,335	494	286
Glass and glazing	129	27	48	174,107	426	1,104,893	316	845,018	110	260,875	359	261	98	67
Plastering and lathing	606	411	239	936,912	1,230	4,196,494	715	2,452,211	515	1,744,283	1,105	921	184	125
Roofing and sheet-metal work	1,638	656	714	2,285,978	4,878	11,455,109	3,077	8,400,325	1,201	3,054,284	4,250	3,294	956	628
Roofing	851	370	311	975,672	2,966	6,402,845	2,230	4,707,474	726	1,695,371	2,610	2,023	587	346
Sheet-metal work	518	207	269	825,149	1,185	3,163,046	889	2,297,071	296	805,905	1,008	801	207	177
Roofing and sheet-metal work, combined	269	79	134	448,157	737	1,889,218	558	1,396,270	179	492,948	632	470	162	105
Steel erection	280	47	44	201,635	2,011	6,528,364	1,299	4,248,368	712	2,279,996	1,846	1,616	230	165
Stonework	164	70	62	255,155	504	2,013,477	338	1,257,407	220	766,070	483	427	56	81
Marble and tiling	822	285	305	1,047,543	2,436	7,063,243	1,011	5,496,127	525	1,557,116	2,070	1,571	499	366
Wrecking	42	11	4	12,400	172	435,729	107	297,375	65	138,354	125	98	27	47
Excavating	289	175	123	469,860	907	2,815,200	463	1,528,586	604	1,286,620	788	703	85	179
Ornamental iron	206	49	66	228,334	782	2,318,086	585	1,742,522	197	575,504	669	585	84	113
Highway	26	24	1	3,000	101	260,759	60	171,509	41	89,250	99	80	10	2
Bridge and culvert	14	12	5	9,025	40	90,679	12	20,161	28	61,518	39	38	1	1
Grading	58	44	16	34,169	143	366,189	85	249,357	58	116,832	121	106	15	22
Street paving	17	5	7	21,890	55	179,029	29	112,837	26	66,192	41	37	4	14
Sewer, gas, water, conduit	14	7	8	18,060	80	229,482	37	95,678	43	133,804	80	76	4	
Dam and reservoir	1				4	17,140	8	17,386	4	8,700	12	10	2	
Water works	3	1	2	7,701	12	-20,140	8			49,140	47	42	5	2
Dredging, river, harbor, etc.	11	2	1	4,200	49	157,794	28	108,054	21	71,817	134	106	28	10
Soundproofing	25	6	3	31,561	144	387,422	117	315,605	27	12,860	12	11	1	
Railroad	3				12	32,730	6	20,370	6	2,761	2	2		
Foundation	23	5			290	1,091,524	81	379,562	218	711,962	205	275	20	4
Power plant	3		3	11,102	6	13,081	4	10,320	2		2			
Metal work, n. e. s.	126	41	35	173,049	729	1,796,988	474	1,152,154	255	644,834	657	468	180	72
Pipe line	2													
Rental of equipment, trucking, etc.	15	12	8	25,245	43	102,597	20	50,997	23	51,600	39	35	4	4
Flooring, n. e. s.	72				268	724,874	188	498,171	80	229,703	234	181	53	34
Miscellaneous	2	21	13	51,839										

See footnote at end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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

CLASSIFICATION OF ESTABLISHMENTS	Estab-lishments reporting	PROPRIETORS AND FIRM MEMBERS			SALARIED EMPLOYEES									
		Receiving no salary	Receiving salaries		All salaried employ-ees		Officers and clerical staff		Superintendents, foremen, etc.		Number reported, by sex			Sex not re-ported
			Num-ber	Total an-nual sala-ries	Total number	Total annual salaries	Num-ber	Total annual salaries	Num-ber	Total annual salaries	Total	Male	Fe-male	
NEW ENGLAND														
All classes of establishments.....	2,687	1,411	987	\$3,177,132	8,011	\$22,080,018	4,608	\$12,907,658	3,403	\$9,182,360	7,161	5,672	1,489	850
Operative builders.....	60	47	23	62,132	49	101,210	26	60,288	23	40,922	44	32	12	5
General contractors.....	1,243	721	384	1,277,161	4,785	14,110,982	2,228	7,260,092	2,557	6,850,890	4,331	3,083	648	454
Building.....	985	593	331	1,117,060	3,340	9,759,910	1,677	5,223,672	1,063	4,532,938	3,035	2,589	496	305
Building not specialized.....	684	366	219	757,378	2,952	8,741,711	1,474	4,676,083	1,478	4,064,728	2,705	2,266	430	247
Commercial building only.....	44	20	8	25,300	106	314,468	68	180,040	48	124,518	89	75	14	17
Manufacturing building only.....	7	1	2	9,850	37	90,132	9	29,081	28	61,051	35	31	4	2
Residential building only.....	250	197	102	325,132	245	610,008	136	327,968	169	282,611	206	167	39	39
Highway.....	85	36	28	79,140	68	1,789,945	210	746,817	428	1,040,128	663	507	56	75
Bridges and culvert.....	31	16	3	6,179	126	382,997	58	193,258	68	189,739	120	100	14	6
Grading.....	35	28	4	20,161	113	208,743	42	118,224	71	180,519	98	85	13	15
Street paving.....	32	16	5	15,393	148	432,035	61	240,146	87	201,880	127	106	21	21
Sewer, gas, water, conduit.....	25	10	5	21,240	82	224,507	28	96,037	54	128,530	81	60	12	1
Dam and reservoir.....	0	2	—	—	55	331,699	20	239,844	20	91,755	45	42	3	10
Waterworks.....	0	1	2	6,760	21	62,984	13	46,622	8	16,462	21	16	5	—
Dredging, river, harbor, etc.....	16	3	1	1,800	93	341,953	55	152,261	38	189,692	76	66	11	17
Railroad.....	2	—	—	—	61	222,086	22	111,133	39	110,963	58	54	4	3
Foundation.....	10	4	5	9,328	—	—	—	—	—	—	—	—	—	—
Central station, light and power plant.....	7	4	—	—	94	237,197	32	85,385	62	151,812	93	80	13	1
Air transport work.....	1	—	—	—	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	—	—
Telephone line and system.....	2	(1)	—	—	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	—	—
Subcontractors.....	1,884	643	580	1,837,839	8,177	7,877,826	2,854	5,687,278	823	2,200,548	2,786	1,957	829	391
Carpentering and wood flooring.....	18	12	11	32,091	29	72,336	19	41,074	10	31,262	20	23	6	—
Concreting.....	33	20	18	60,023	78	201,608	54	138,316	24	63,382	76	62	14	2
Electrical.....	203	83	62	105,703	538	1,115,919	417	701,770	121	323,249	430	312	168	58
Elevator construction.....	11	—	1	5,000	68	172,671	42	60,221	26	78,450	67	59	8	1
Heating and plumbing.....	017	200	277	846,798	1,292	3,060,674	1,005	2,260,390	287	800,284	1,122	750	372	170
Heating and piping.....	177	69	67	182,343	546	1,413,614	408	1,043,726	138	374,788	434	348	136	62
Pipe covering.....	2	—	—	—	—	—	—	—	—	—	—	—	—	—
Plumbing.....	271	136	137	457,154	433	955,805	350	686,696	83	249,109	372	223	149	61
Plumbing and heating com-bined.....	102	85	73	207,301	279	613,023	228	482,402	51	130,621	232	149	83	47
Automatic temperature con-trol.....	1	—	—	—	34	93,932	10	47,566	15	45,766	34	30	4	—
Automatic sprinkler sys-tems.....	4	—	—	—	32	58,464	22	35,638	10	22,826	31	23	8	1
Masonry.....	52	46	19	37,620	219	642,040	166	408,632	53	133,408	186	122	64	33
Painting and decorating.....	125	62	59	246,780	219	642,040	166	408,632	53	133,408	186	122	64	33
Glass and glazing.....	13	1	12	38,544	29	45,601	24	39,710	5	6,942	20	10	6	3
Plastering and lathing.....	38	21	24	81,315	56	139,970	36	81,028	20	58,042	50	37	13	6
Roofing and sheet-metal work.....	139	68	62	181,944	291	692,214	205	468,994	86	223,220	247	177	70	44
Roofing.....	70	37	30	92,386	150	291,099	97	178,771	53	112,328	120	92	34	24
Sheet-metal work.....	39	10	17	57,998	83	248,914	64	181,061	19	66,953	68	50	18	15
Roofing and sheet metal combined.....	30	12	15	25,460	58	152,201	44	108,262	14	43,639	53	35	18	5
Steel erection.....	18	4	2	6,680	129	544,431	87	416,205	42	128,226	120	108	21	—
Stonework.....	8	3	1	8,000	43	143,274	22	78,476	21	64,798	33	27	6	10
Marble and tiling.....	45	14	20	58,966	139	350,052	110	284,008	29	86,044	116	85	31	23
Wrecking.....	8	—	—	—	35	116,679	23	87,240	16	29,430	28	21	7	7
Excavating.....	17	10	7	26,785	41	109,414	23	63,154	18	40,200	28	24	4	13
Ornamental iron.....	17	3	2	4,000	60	210,771	50	170,866	16	39,905	54	43	11	12
Grading.....	6	3	1	2,500	5	8,742	5	8,742	—	—	5	—	—	—
Street paving.....	1	—	—	—	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Sewer, gas, water, conduit.....	1	—	—	—	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Dredging, river, harbor, etc.....	2	—	—	—	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Foundation.....	4	—	—	—	19	81,669	10	47,659	9	34,010	15	11	4	4
Metal work, n. e. s.....	5	3	—	—	25	68,270	12	26,200	13	38,080	25	18	7	—
Flooring, n. e. s.....	3	—	—	—	9	22,700	3	2,970	6	10,730	7	6	1	2

MIDDLE ATLANTIC

All classes of establishments.....	8,258	3,674	2,721	\$10,234,294	35,325	\$115,961,545	21,241	\$74,139,690	14,084	\$41,821,955	31,697	26,349	5,348	3,628
Operative builders.....	219	145	36	121,862	462	1,461,472	254	883,901	208	577,671	397	327	70	65
General contractors.....	3,637	1,750	972	3,052,725	20,560	70,942,823	10,832	42,824,860	9,718	28,117,768	18,531	16,081	2,450	2,019
Building.....	2,595	1,357	747	2,922,445	12,305	44,913,183	7,152	29,066,361	5,163	15,840,832	11,098	9,416	1,082	1,207
Building not specialized.....	1,725	857	531	2,142,922	9,630	36,712,977	5,347	23,632,845	4,283	13,080,132	8,684	7,383	1,201	1,046
Commercial building only.....	164	49	24	88,469	616	2,119,731	439	1,607,440	177	612,291	573	449	124	43
Manufacturing building only.....	18	5	3	6,593	884	2,068,903	685	1,903,072	199	755,831	609	728	141	15
Residential building only.....	695	446	79	684,461	1,175	3,421,572	681	2,022,994	494	1,398,578	1,072	856	210	103
Highway.....	306	172	73	411,987	1,946	5,102,173	699	2,425,060	1,247	2,077,123	1,753	1,026	127	193
Bridges and culvert.....	60	20	17	90,412	510	1,731,380	191	818,220	319	913,160	465	441	24	45
Grading.....	48	22	14	30,490	197	653,250	97	423,353	100	229,897	1,009	914	95	105
Street paving.....	212	80	54	250,881	1,114	4,014,828	505	2,400,570	609	1,014,258	708	640	62	76
Sewer, gas, water, conduit.....	112	53	38	142,995	784	2,232,510	343	1,117,132	436	1,115,384	858	695	47	—
Dam and reservoir.....	7	1	2	7,990	47	108,969	11	20,340	36	88,499	47	46	1	—
Waterworks.....	37	12	8	23,622	668	1,863,620	355	973,055	313	808,695	633	527	106	35
Dredging, river, harbor, etc.....	56	14	9	40,288	660	2,516,510	323	1,510,078	332	1,006,432	526	472	53	135
Railroad.....	85	5	—	—	398	1,686,430	181	912,989	217	723,441	378	351	27	20
Foundation.....	17	4	10	31,065	69	298,963	37	193,617	32	100,346	54	49	6	—

See footnote at end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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

CLASSIFICATION OF ESTABLISHMENTS	Estab-lish-ments reporting	PROPRIETORS AND FIRM MEMBERS			SALARIED EMPLOYEES								Sex not re-ported	
		Re-ceiving no salary	Receiving salaries		All salaried employ-ees		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
EAST NORTH CENTRAL—Continued														
Subcontractors.....	3,086	1,790	1,618	\$5,442,596	11,013	\$32,080,872	7,826	\$22,775,892	3,187	\$9,304,980	9,956	7,474	2,182	1,357
Carpentering and wood flooring.....	107	59	47	167,171	198	620,632	146	469,188	62	161,464	175	143	32	23
Concreting.....	131	96	27	96,071	332	1,140,576	183	748,838	149	391,738	294	253	41	38
Electrical.....	500	166	210	833,615	1,555	4,718,585	1,182	3,677,695	373	1,136,890	1,377	1,043	334	178
Elevator construction.....	23	1	1	2,500	145	394,255	83	214,117	62	180,138	145	126	19	19
Heating and plumbing.....	1,488	655	661	2,051,359	3,598	9,978,075	2,744	7,444,207	854	2,534,468	3,054	2,165	859	544
Heating and piping.....	423	128	142	459,829	1,411	4,273,462	1,045	3,105,454	306	1,107,908	1,189	909	280	222
Pipe covering.....	17	7	3	12,200	89	231,953	50	108,201	13	35,662	67	42	15	12
Plumbing.....	718	371	357	1,068,093	1,345	3,457,768	1,054	2,617,146	201	840,622	1,117	776	341	228
Plumbing and heating com- bined.....	303	140	155	491,322	601	1,470,510	476	1,120,261	125	350,249	524	337	187	77
Automatic temperature con- trol.....	7	3	4	10,890	36	151,210	32	139,317	5	14,893	36	24	12	5
Automaticsprinklersystems.....	15	3	4	10,890	36	393,732	31	205,708	55	187,074	131	107	24	28
Masonry.....	200	108	82	272,835	392	1,139,704	202	622,463	190	507,241	364	317	47	28
Painting and decorating.....	300	167	134	453,871	736	2,207,763	523	1,633,936	213	658,768	626	470	156	116
Glass and glazing.....	35	9	8	27,139	112	274,427	75	187,124	37	87,323	69	20	23	23
Plastering and lathing.....	206	137	74	294,898	387	1,421,000	217	800,140	170	629,911	397	315	52	20
Roofing and sheet-metal work.....	478	140	108	652,688	1,308	3,450,910	947	2,511,375	361	969,636	1,167	900	268	141
Roofing.....	248	74	74	235,608	762	2,012,736	504	1,522,968	108	439,733	687	532	155	75
Sheet-metal work.....	168	53	92	302,278	335	872,171	244	607,303	61	204,868	293	230	63	42
Roofing and sheet metal combined.....	67	19	32	114,062	211	596,093	139	381,074	72	214,929	187	147	40	24
Steel erection.....	64	13	11	37,247	528	1,661,259	326	1,053,155	202	608,104	494	455	36	34
Stonework.....	45	16	19	78,363	147	545,912	95	360,389	52	188,523	127	113	14	20
Marble and tiling.....	194	60	82	268,046	587	1,773,502	463	1,387,258	124	386,244	518	387	131	60
Wrecking.....	12	2	2	65	65	150,070	38	91,672	27	58,398	40	30	10	10
Excavating.....	71	43	28	93,754	165	466,933	92	315,550	73	151,383	118	108	10	47
Ornamental iron.....	20	4	4	11,960	134	361,099	92	239,886	42	121,123	117	108	9	17
Highway.....	4	4	4	4,800	11	16,180	4	4,980	7	11,200	11	11	0	0
Bridges and culvert.....	4	4	2	4,800	18	50,640	6	13,497	12	37,143	18	18	0	0
Grading.....	16	9	9	14,400	34	115,085	21	87,145	13	27,940	30	27	3	4
Street paving.....	8	2	5	13,280	33	124,783	17	81,947	16	42,836	25	22	3	8
Sewer, gas, water, conduit.....	4	3	1	1,820	8	13,820	3	4,420	5	9,400	8	8	0	0
Dredging, river, harbor, etc.....	1	(1)	(1)	(1)	68	187,307	57	180,511	11	26,796	64	50	14	4
Soundproofing.....	10	2	2	(1)	70	168,511	24	94,349	46	64,102	70	68	2	2
Foundation.....	5	9	10	49,704	282	716,630	210	509,621	66	206,000	269	158	111	13
Metal work, n. e. s.....	33	10	3	15,945	83	229,207	61	109,504	22	59,703	70	52	18	13
Rental of equipment, trucking, etc.....	7	5	3	15,945	83	229,207	61	109,504	22	59,703	70	52	18	13

WEST NORTH CENTRAL

All classes of establishments.....	2,429	1,613	817	\$2,737,405	7,611	\$20,121,385	3,872	\$11,264,826	3,739	\$8,866,559	6,613	5,728	895	698
Operative builders.....	40	22	15	66,811	138	403,553	84	263,685	54	139,868	127	98	29	11
General contractors.....	1,897	1,062	402	1,374,715	5,078	14,620,304	2,121	7,066,058	2,957	6,041,246	4,425	3,904	431	653
Building.....	803	613	231	729,500	2,631	5,620,158	1,002	3,053,893	1,029	2,556,265	1,762	1,527	235	269
Building not specialized.....	610	459	184	599,430	1,690	4,777,630	824	2,579,972	872	2,197,658	1,470	1,274	196	226
Commercial building only.....	64	48	21	53,490	171	459,801	80	240,736	85	159,105	156	141	15	15
Manufacturing building only.....	5	2	2	71,550	31	164,600	14	49,400	17	55,200	30	28	2	2
Residential building only.....	124	104	26	71,550	193	308,937	78	133,735	55	124,302	106	84	22	27
Highway.....	187	144	63	329,374	610	2,274,889	342	1,042,042	568	1,232,847	798	740	58	112
Bridges and culvert.....	95	63	29	86,450	477	1,427,436	190	773,370	287	654,066	382	346	36	95
Grading.....	103	111	34	83,607	312	774,632	86	265,145	125	211,487	176	163	13	35
Street paving.....	103	70	30	87,690	312	823,299	140	454,210	172	369,050	279	253	26	33
Sewer, gas, water, conduit.....	33	29	10	37,192	108	265,333	39	109,199	60	157,184	107	99	8	1
Dam and reservoir.....	11	8	3	13,833	56	187,164	32	123,807	24	83,267	56	51	5	5
Waterworks.....	8	4	4	13,833	42	145,021	23	88,400	10	56,621	39	36	4	3
Dredging, river, harbor, etc.....	10	5	2	11,000	24	79,800	11	46,200	13	33,600	17	15	2	7
Levee.....	7	1	1	(1)	605	1,739,149	112	578,009	498	1,161,140	553	530	23	52
Railroad.....	15	1	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Foundation.....	2	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Central station, light and power plant.....	13	7	7	(1)	82	225,314	45	143,082	37	82,232	77	68	9	5
Air transport work.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Refuse disposal plant.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Oil and natural gas pipe line.....	3	1	1	(1)	115	327,799	42	143,487	73	184,312	79	79	0	0
Telephone line and system.....	2	1	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Subcontractors.....	983	529	400	1,295,879	2,395	5,710,528	1,667	3,935,083	728	1,775,445	2,061	1,636	425	334
Carpentering and wood flooring.....	9	5	7	18,064	21	39,270	15	28,019	6	11,251	19	12	7	2
Concreting.....	47	35	13	82,502	156	449,628	68	243,321	88	206,307	153	138	15	3
Electrical.....	130	57	42	140,200	378	832,210	238	618,576	90	213,634	317	237	80	61
Elevator construction.....	7	1	1	2,500	43	90,000	23	39,450	20	60,450	43	35	8	8
Heating and plumbing.....	391	217	205	626,548	730	1,741,942	595	1,360,959	135	380,983	607	449	158	123
Heating and piping.....	89	37	45	140,200	203	542,399	161	417,752	42	124,047	169	128	41	34
Pipe covering.....	6	1	1	12,200	45	111,001	38	93,261	7	17,740	42	35	7	3
Plumbing.....	174	113	89	251,107	291	652,007	242	519,129	49	132,878	237	176	61	54
Plumbing and heating com- bined.....	118	66	71	235,181	168	370,428	142	294,088	26	76,340	186	93	43	32
Automatic temperature con- trol.....	3	1	1	10,890	23	66,107	12	36,729	11	29,378	23	17	6	5
Automaticsprinklersystems.....	1	1	1	10,890	23	66,107	12	36,729	11	29,378	23	17	6	5
Masonry.....	25	23	6	34,476	63	235,326	28	130,623	35	104,698	46	39	7	17
Painting and decorating.....	57	32	19	69,768	90	242,347	60	165,263	30	77,084	77	58	19	13
Glass and glazing.....	6	1	2	12,877	36	96,937	28	79,117	8	17,820	27	21	6	9

See footnote at end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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										
		Re-ceiving no salary	Receiving salaries		All salaried employ-ees		Officers and clerical staff		Superintendents, foremen, etc.		Number reported, by sex			Sex not re-ported
			Num-ber	Total an-nual salar-ies	Total number	Total annual salaries	Num-ber	Total annual salaries	Num-ber	Total annual salaries	Total	Male	Fe-male	
WEST NORTH CENTRAL—Continued														
Subcontractors—Continued.														
Plastering and lathing.....	28	23	11	\$37,654	41	\$97,847	22	\$44,140	19	\$53,207	34	27	7	7
Roofing and sheet-metal work.....	119	41	50	161,599	306	602,668	220	425,231	86	177,387	253	196	57	53
Roofing.....	73	23	24	54,091	216	413,386	164	310,603	52	98,693	178	138	40	38
Sheet-metal work.....	32	11	26	80,270	58	126,286	36	72,242	22	54,044	49	41	8	9
Roofing and sheet metal combined.....	14	7	6	27,238	32	57,996	20	33,346	12	24,050	26	17	0	6
Steel erection.....	10				65	226,627	35	131,517	30	94,010	65	61	4	
Stonework.....	8	4			23	86,395	15	58,115	8	28,230	19	19		4
Marble and tiling.....	59	20	22	73,395	167	306,915	134	317,642	33	78,273	141	120	21	20
Excavating.....	30	33	4	18,177	98	103,092	48	70,331	50	113,761	94	81	13	4
Ornamental iron.....	7	2	3	13,380	22	53,664	18	39,829	4	13,835	20	19	1	2
Highway.....	4	5			6	8,870	2	1,800	4	7,070	4	3	1	2
Bridge and culvert.....	3	1	1	2,125	8	19,185	3	11,600	5	7,885	8	8		
Grading.....	10	10	2	5,527	18	33,677	9	14,684	9	18,993	18	17	1	
Sewer, gas, water, conduit.....	1	(1)			(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)		
Soundproofing.....	1	(1)			(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)		
Railroad.....	3	8			12	32,730	6	20,370	6	12,360	12	11	1	
Foundation.....	1	(1)			(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)		
Power plant.....	1				(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)		
Metal work, n. e. s.....	15	3	5	41,937	81	149,617	34	87,210	47	62,407	77	62	15	4
Flooring, n. e. s.....	4	3			7	13,362	7	13,362			7	5	2	
Miscellaneous.....	1		(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)		

SOUTH ATLANTIC

All classes of establishments.....	2,125	1,169	745	\$2,734,113	8,107	\$20,926,674	4,208	\$11,945,523	3,904	\$8,981,151	7,063	6,168	895	1,044
Operative builders.....	68	41	8	36,552	243	588,363	103	372,295	80	216,068	228	182	40	15
General contractors.....	1,123	732	344	1,328,131	5,208	13,715,136	2,254	7,212,468	2,949	6,502,668	4,577	4,162	415	626
Building.....	704	516	234	842,603	2,628	6,959,563	1,349	4,027,332	1,279	2,932,236	2,249	1,981	208	379
Building not specialized.....	576	380	206	740,953	2,234	5,869,826	1,120	3,340,527	1,114	2,529,299	1,804	1,673	221	340
Commercial building only.....	34													
Manufacturing building only.....	2	13	8	33,936	156	526,601	92	361,398	64	165,203	141	128	13	15
Residential building only.....	162	123	20	53,714	238	563,141	137	325,407	101	237,734	214	180	34	24
Highway.....	143	87	40	150,853	1,147	2,372,864	384	1,313,792	763	1,659,072	1,049	989	60	98
Bridge and culvert.....	47	36	21	93,610	354	863,428	119	391,073	235	476,755	310	295	15	44
Grading.....	32	29	14	61,403	111	207,818	27	51,470	84	156,348	110	103	7	1
Street paving.....	56	28	12	36,845	314	341,364	122	433,455	192	402,969	234	216	18	80
Sewer, gas, water, conduit.....	24	13	4	51,600	142	378,261	43	155,626	99	222,635	142	136	6	
Dam and reservoir.....	3	1			21	51,120	4	19,100	17	32,020	21	20	1	
Waterworks.....	8	3	5	60,017	38	106,746	10	45,750	28	60,996	29	27	2	9
Dredging, river, harbor, etc.....	21	6			173	627,070	94	423,851	79	203,219	168	149	9	15
Levee.....	1				(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)		
Railroad.....	18	9	8	31,600	247	731,209	86	306,957	161	424,252	247	221	26	
Foundation.....	3	4			9	17,337	5	8,511	4	8,826	9	7	2	
Central station, light and power plant.....	3				17	48,851	10	28,451	7	20,400	17	16	1	
Subcontractors.....	934	396	393	1,369,430	2,661	6,623,175	1,786	4,360,700	875	2,262,415	2,258	1,824	434	403
Carpentering and wood flooring.....	6		6	19,129	15	39,190	7	22,749	8	16,441	13	11	2	2
Concreting.....	29	15	11	40,234	113	324,706	42	135,510	71	189,190	113	99	14	
Electrical.....	116	40	36	163,806	408	983,430	253	700,875	125	287,561	320	252	68	88
Elevator construction.....	13	1			58	174,191	31	83,336	27	90,855	58	47	11	
Heating and plumbing.....	352	147	170	566,650	833	1,830,974	656	1,408,880	177	478,038	707	526	181	126
Heating and piping.....	102	38	51	192,329	336	815,511	261	603,183	75	212,323	288	232	56	48
Pipe covering.....	3				10	34,382	12	22,389	4	11,993	12	8	4	4
Plumbing.....	178	83	83	275,195	359	740,728	288	559,500	71	181,228	317	223	94	42
Plumbing and heating combined.....	66	26	36	99,126	106	255,299	88	200,396	18	54,900	74	51	23	32
Automatic temperature control.....	2				16	41,057	7	23,413	9	17,644	16	12	4	
Automatic sprinkler systems.....	1													
Masonry.....	45	28	20	72,192	162	419,570	69	194,370	93	225,190	151	137	14	11
Painting and decorating.....	54	34	22	60,216	113	247,655	75	166,676	38	80,979	93	70	23	20
Glass and glazing.....	2	(1)			(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)		
Plastering and lathing.....	32	21	14	40,630	59	159,532	38	96,449	21	63,063	50	48	11	
Roofing and sheet-metal work.....	120	44	53	104,590	340	801,689	253	578,263	87	223,421	281	226	55	50
Roofing.....	75	26	36	113,594	208	474,614	144	369,603	64	165,011	183	149	34	25
Sheet-metal work.....	28	14	10	32,734	73	203,933	61	168,205	12	35,628	61	47	14	12
Roofing and sheet metal combined.....	17	4	7	18,258	59	123,242	48	100,460	11	22,782	37	30	7	22
Steel erection.....	16	5	2	10,400	60	150,301	34	74,295	26	76,006	41	38	3	10
Stonework.....	18	11	8	49,530	85	287,078	34	156,879	51	130,190	82	74	8	3
Marble and tiling.....	73	28	19	71,364	208	554,930	159	427,872	49	127,058	160	131	20	48
Excavating.....	23	6	25	74,089	79	210,196	31	109,860	48	109,330	67	64	3	12
Ornamental iron.....	7		6	28,468	18	54,401	12	35,935	6	18,466	14	12	2	4
Highway.....	5				13	36,226	7	18,842	6	17,384	12	10	2	1
Bridge and culvert.....	2													
Grading.....	3	1			10	27,303	7	10,703	3	7,600	10	9	1	
Sewer, gas, water, conduit.....	1				(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)		
Dredging, river, harbor, etc.....	2	1			(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)		
Soundproofing.....	1				(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)		
Foundation.....	1				(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)		
Metal work, n. e. s.....	9	4			45	139,309	14	30,885	31	108,424	43	40	3	2
Rental of equipment, trucking, etc.....	1				(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)		
Flooring, n. e. s.....	4	1			13	31,046	18	31,046			5	4	1	8

See footnote at end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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		
EAST SOUTH CENTRAL															
All classes of establishments.....	910	563	364	\$1,194,900	3,823	\$9,088,645	2,190	\$5,480,729	1,633	\$3,607,918	3,553	3,128	425	270	
Operative builders.....	14	9	5	10,693	20	46,775	15	10,055	14	27,720	29	17	12	-----	
General contractors.....	507	372	180	600,848	2,776	6,685,838	1,467	3,873,392	1,309	2,812,440	2,627	2,411	216	140	
Building.....	314	232	113	308,675	875	2,298,430	419	1,204,362	466	1,094,077	814	716	98	61	
Building not specialized.....	239	180	98	326,115	707	1,936,800	342	1,010,227	365	926,682	604	588	78	43	
Commercial building only.....	15	11	2	11,800	102	217,040	30	117,999	63	99,047	91	82	9	11	
Manufacturing building only.....	2	2	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
Residential building only.....	58	41	13	30,660	66	144,684	38	70,136	28	68,448	50	46	13	7	
Highway.....	75	62	23	72,083	510	1,160,490	150	506,238	354	644,262	401	462	29	10	
Bridge and culvert.....	22	10	9	40,700	130	299,411	61	164,101	60	135,810	114	91	23	16	
Grading.....	23	27	6	14,100	81	161,787	22	55,390	50	103,397	74	60	5	7	
Street paving.....	43	22	30	93,650	201	489,684	81	247,238	120	242,351	169	158	11	32	
Sewer, gas, water, conduit.....	15	9	4	10,840	68	180,991	20	75,424	42	105,607	64	50	5	4	
Waterworks.....	1	-----	-----	-----	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	
Loyce.....	9	8	-----	-----	37	104,400	19	65,100	18	30,800	27	24	3	10	
Railroad.....	3	2	1	10,000	44	145,636	16	84,860	28	61,275	44	40	4	-----	
Foundation.....	1	-----	-----	-----	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	-----	
Central station, light and power plant.....	1	-----	-----	-----	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	-----	
Subcontractors.....	389	182	173	574,359	1,018	2,366,032	708	1,588,282	310	767,750	897	700	107	121	
Carpentering and wood flooring.....	4	2	-----	-----	7	16,720	5	11,020	2	4,800	5	-----	-----	2	
Concreting.....	14	11	7	28,206	45	130,977	20	68,685	25	62,892	45	48	2	-----	
Electrical.....	50	10	25	67,691	181	308,279	138	270,893	43	97,886	176	142	33	6	
Elevator construction.....	4	-----	-----	-----	14	26,067	5	14,120	6	15,837	14	11	3	-----	
Heating and plumbing.....	144	78	78	236,970	300	657,285	220	408,991	80	188,324	245	176	70	55	
Heating and piping.....	37	17	20	63,677	83	188,371	54	120,522	20	67,840	75	60	15	8	
Plumbing.....	77	38	48	182,701	166	348,915	126	250,617	40	92,298	138	65	43	28	
Plumbing and heating combined.....	29	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
Automatic sprinkler systems.....	1	23	10	39,632	51	119,099	40	91,822	11	28,177	32	20	12	19	
Masonry.....	19	14	13	62,110	27	73,393	13	34,097	14	38,000	17	14	3	10	
Painting and decorating.....	10	11	4	19,219	26	64,481	19	47,359	7	17,122	20	18	2	-----	
Glass and glazing.....	3	-----	-----	-----	19	49,025	16	50,475	3	12,560	10	10	0	-----	
Plastering and lathing.....	12	11	3	30,640	20	56,524	7	12,519	13	44,014	14	11	3	6	
Roofing and sheet-metal work.....	65	24	32	107,400	199	428,095	160	320,013	30	90,082	172	132	40	27	
Roofing.....	37	10	13	48,022	150	384,180	119	254,094	31	79,180	124	98	26	26	
Sheet-metal work.....	17	12	9	30,001	33	68,826	25	48,880	8	10,940	33	23	10	-----	
Roofing and sheet metal combined.....	11	2	10	20,437	16	25,139	16	25,139	-----	-----	15	11	4	1	
Steel erection.....	8	1	2	7,034	42	113,143	19	55,040	23	68,193	40	36	2	2	
Stonework.....	6	3	2	5,200	14	87,869	10	26,340	4	11,019	13	12	1	1	
Marble and tiling.....	21	6	3	10,200	56	108,386	37	141,710	19	50,676	43	35	13	8	
Wrecking.....	1	-----	-----	-----	19	41,900	7	17,760	12	24,140	19	17	2	-----	
Excavating.....	3	2	2	6,300	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
Ornamental iron.....	2	-----	-----	-----	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	
Highway.....	1	-----	-----	-----	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	
Bridge and culvert.....	1	5	2	4,320	16	10,666	5	4,841	11	14,825	10	13	3	-----	
Grading.....	2	-----	-----	-----	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	
Soundproofing.....	1	(1)	-----	-----	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	
Foundation.....	1	-----	-----	-----	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	
Metal work, n. o. s.....	1	-----	-----	-----	10	18,800	8	14,080	2	4,720	10	8	2	-----	
Pipe line.....	1	-----	-----	-----	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	
Flooding, n. o. s.....	1	(1)	-----	-----	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	
Miscellaneous.....	1	-----	-----	-----	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	
WEST SOUTH CENTRAL															
All classes of establishments.....	1,576	1,063	668	\$2,135,604	6,013	\$12,775,687	2,641	\$6,958,143	2,372	\$5,817,544	4,378	3,791	587	635	
Operative builders.....	27	14	12	47,120	60	146,965	39	91,025	21	55,940	57	44	13	3	
General contractors.....	925	719	260	1,080,684	3,480	9,193,923	1,558	4,484,500	1,902	4,709,423	3,093	2,754	309	397	
Building.....	613	509	165	588,628	1,433	3,670,968	684	1,742,398	749	1,928,870	1,280	1,125	155	153	
Building not specialized.....	455	371	131	524,351	1,242	3,335,075	592	1,590,335	650	1,744,740	1,100	980	129	133	
Commercial building only.....	35	27	8	16,078	77	167,379	33	87,704	44	69,075	75	66	9	2	
Manufacturing building only.....	3	2	1	9,000	14	38,475	8	21,255	6	17,220	14	13	1	-----	
Residential building only.....	120	109	15	39,219	100	140,059	51	43,164	42	30,835	82	68	16	18	
Highway.....	117	88	47	185,623	477	1,478,207	252	765,979	325	724,228	525	476	49	52	
Bridge and culvert.....	35	45	4	6,480	147	423,589	50	198,538	38	230,056	118	110	8	29	
Grading.....	9	11	1	8,924	12	21,920	3	6,000	9	15,920	12	11	1	-----	
Street paving.....	53	15	20	94,161	309	1,108,626	175	584,653	224	523,073	320	264	26	79	
Sewer, gas, water, conduit.....	27	18	5	33,086	107	306,665	62	182,602	85	214,163	133	118	15	14	
Dam and reservoir.....	6	2	5	12,681	85	258,593	33	107,289	50	151,324	79	74	5	4	
Waterworks.....	11	8	5	23,347	56	160,503	23	72,124	33	88,379	50	40	7	-----	
Dredging, river, harbor, etc.....	14	3	2	18,664	120	332,661	44	161,774	76	170,887	120	109	11	-----	
Loyce.....	10	5	5	14,700	51	122,863	24	67,021	27	55,842	38	36	2	13	
Railroad.....	9	4	3	18,600	74	150,134	33	83,854	41	66,280	74	67	7	-----	
Foundation.....	1	(1)	-----	-----	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	
Central station, light and power plant.....	6	5	-----	-----	112	198,679	60	92,670	43	106,009	103	90	7	90	
Oil and natural gas pipe line.....	10	5	2	20,000	232	828,715	86	410,528	146	418,192	192	177	15	4	
Telephone line and system.....	1	-----	-----	-----	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	

See footnote at end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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									
		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	
WEST SOUTH CENTRAL—Continued														
Subcontractors.....	624	330	286	\$1,057,800	1,403	\$3,434,799	1,044	\$2,382,018	449	\$1,082,781	1,258	993	205	23
Carpentering and wood flooring.....	2				(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Concreting.....	25	20	4	10,760	31	69,530	16	39,530	12	30,000	31	25	6	53
Electrical.....	107	49	48	213,985	302	614,388	212	412,221	90	202,167	209	210	59	13
Elevator construction.....	6	1	5	26,100	32	75,089	17	33,329	15	41,700	19	13	6	88
Heating and plumbing.....	231	127	107	341,842	436	1,072,635	344	824,218	92	248,417	353	274	79	8
Heating and piping.....	20	8	10	33,899	45	122,149	28	83,009	17	38,480	37	33	4	8
Pipe covering.....	2													
Plumbing.....	166	101	78	259,630	281	688,053	220	520,280	61	167,773	221	171	50	60
Plumbing and heating combined.....	30	15	19	48,813	93	236,932	80	198,668	13	38,264	78	56	22	15
Automatic temperature control.....	1				17	25,501	16	21,601	1	8,900	17	14	3	
Automatic sprinkler systems.....	3	3												
Masonry.....	8	7	3	8,000	6	12,900			6	12,900	6	6		9
Painting and decorating.....	32	18	17	48,211	41	90,040	27	56,164	14	34,776	32	22	10	
Glass and glazing.....	2				(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)		(1)
Plastering and lathing.....	34	24	15	82,153	73	153,257	81	76,849	42	76,008	50	45	5	23
Roofing and sheet-metal work.....	82	42	35	128,577	232	480,911	160	337,102	72	143,749	199	160	39	33
Roofing.....	48	26	10	47,372	103	336,010	110	241,200	53	94,810	145	118	27	18
Sheet-metal work.....	22	9	15	49,003	45	99,026	35	71,466	10	28,100	30	30	6	9
Roofing and sheet metal work combined.....	12	7	10	32,202	24	45,275	15	24,496	9	20,779	18	12	6	6
Steel erection.....	5				51	128,000	33	87,847	18	40,153	51	43	8	3
Stonework.....	8	3	11	29,249	28	100,240	16	61,298	12	38,942	25	20	5	3
Marble and tiling.....	45	15	25	90,115	102	204,124	80	222,236	10	41,888	89	65	24	13
Wrecking.....	11	10	5	14,400	20	33,655	11	18,025	9	15,680	20	16	4	4
Excavating.....	3	1	2	4,320	8	10,282	6	9,766	2	6,516	8	6	2	
Ornamental iron.....	1				(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)		(1)
Grading.....	1	(1)			(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)		(1)
Street paving.....	1				(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)		(1)
Waterworks.....	1	(1)			(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)		(1)
Soundproofing.....	1				(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)		(1)
Foundation.....	2				(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)		(1)
Metal work, n. e. s.....	12	7	4	31,690	74	168,697	48	103,649	26	65,048	63	51	12	11
Pipe line.....	1				(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)		(1)
Rental of equipment, trucking, etc.....	2	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)		(1)
Flooring, n. e. s.....	2				(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)		(1)

MOUNTAIN

All classes of establishments.....	686	512	209	\$658,011	1,376	\$3,326,073	774	\$1,923,178	602	\$1,402,895	1,258	1,080	169	118
Operative builders.....	11	8			10	23,482	5	13,075	5	10,407	10	9	1	
General contractors.....	401	352	92	292,259	907	2,326,302	426	1,225,749	481	1,100,553	841	772	69	66
Building.....	254	231	54	188,160	325	824,523	187	406,707	168	417,816	301	268	33	24
Building not specialized.....	215	198	51	182,300	289	769,000	138	371,460	151	397,540	265	234	31	24
Commercial building only.....	10	9	1	3,000	15	16,158	5	9,050	10	7,108	15	14	1	
Residential building only.....	20	24	2	2,800	21	39,365	14	26,197	7	13,165	21	20	1	
Highway.....	02	54	10	45,868	246	556,247	103	283,886	143	272,361	219	210	9	27
Bridge and culvert.....	13	11	2	0,900	35	72,000	14	29,426	21	42,574	35	29	6	
Grading.....	22	18	10	26,900	58	128,286	21	48,282	37	80,004	58	54	4	
Street paving.....	23	17	2	0,800	104	350,831	42	218,718	62	182,113	94	89	5	10
Sewer, gas, water, conduit.....	9	9			16	27,513	11	15,400	5	12,113	11	10	1	6
Dam and reservoir.....	6	3			10	48,665	7	34,746	3	13,919	10	9	1	
Waterworks.....	4	(1)												
Dredging, river, harbor, etc.....	1	4	2	4,973	12	34,616	8	21,468	4	13,158	12	12		
Railroad.....	3				67	216,250	44	127,038	23	89,212	67	60	7	
Foundation.....	1	(1)			(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)		(1)
Central station, light and power plant.....	2				(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)		(1)
Oil and natural gas pipe line.....	1	(1)			(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)		(1)
Subcontractors.....	274	152	117	375,752	459	976,289	343	684,354	116	291,935	407	308	99	52
Concreting.....	8	5	5	15,068	15	38,515	6	19,444	9	19,071	13	13		2
Electrical.....	42	17	10	28,214	80	177,238	70	135,771	16	41,467	69	52	17	17
Heating and plumbing.....	119	65	59	176,447	179	356,130	144	266,783	35	89,353	168	108	50	21
Heating and piping.....	26	17	9	26,671	48	104,933	40	82,372	8	22,661	36	23	13	12
Plumbing.....	62	34	32	97,176	84	152,175	66	106,635	18	45,640	80	54	26	4
Plumbing and heating combined.....	29													
Automatic temperature control.....	2	14	18	52,600	47	99,028	38	77,776	9	21,252	42	31	11	5
Masonry.....	15	13	9	24,267	8	18,520	5	9,720	3	8,800	8	6	2	
Painting and decorating.....	17	8	8	46,011	25	48,749	21	40,124	4	8,625	24	17	7	1
Glass and glazing.....	2				(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)		(1)
Plastering and lathing.....	14	15	1	5,300	3	10,158			3	10,158	3	3		
Roofing and sheet-metal work.....	25	11	10	24,271	60	136,289	45	102,053	15	34,216	60	45	15	13
Roofing.....	12	5	1	3,000	45	91,087	34	67,531	11	23,556	45	32	13	
Sheet-metal work.....	12													
Roofing and sheet metal work combined.....	1	6	9	21,271	15	45,182	11	34,522	4	10,660	15	13	2	
Steel erection.....	6	2			16	37,741	10	20,126	6	17,615	14	13	1	2
Marble and tiling.....	13	9	8	27,970	28	50,104	24	41,364	4	8,750	23	17	6	5
Excavating.....	4	1	2	7,389	20	55,400	8	26,600	12	28,800	20	19	1	

See footnote at end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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
MOUNTAIN—Continued														
Subcontractors—Continued.	1													
Ornamental iron.....	2				(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	
Highway.....	2	0			3	\$7,500	1	\$1,500	2	\$6,000	3	3		
Bridge and culvert.....	2				(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	
Street paving.....	1				(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	
Metal work, n. o. s.....	2				(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	
Rental of equipment, trucking, etc.....	1				(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	
PACIFIC														
All classes of establishments.....	3,321	2,478	1,150	\$4,016,898	8,189	\$21,265,801	4,805	\$12,734,140	3,384	\$8,531,751	6,969	5,758	1,208	1,230
Operative builders.....	81	78	13	33,140	99	204,106	60	155,040	30	108,547	67	55	12	32
General contractors.....	1,762	1,529	466	1,870,447	4,620	12,503,442	2,306	6,849,050	2,314	5,744,392	4,049	3,516	533	571
Building.....	1,216	1,005	311	1,192,202	2,466	6,592,297	1,313	3,525,023	1,153	3,060,074	2,134	1,780	354	332
Building not specialized.....	822	722	244	947,304	2,020	5,457,597	1,073	2,920,101	950	2,531,406	1,702	1,471	291	287
Commercial building only.....	70	50	11	35,012	135	410,925	81	255,438	54	155,437	115	90	19	20
Manufacturing building only.....	14	15	7	26,344	81	237,397	52	123,004	29	109,333	58	52	6	23
Residential building only.....	310	299	49	182,642	221	486,378	107	215,930	114	270,443	199	101	38	22
Highway.....	142	128	40	151,671	551	1,400,149	233	689,130	313	711,010	407	452	45	54
Bridge and culvert.....	50	51	3	43,000	182	527,870	84	293,118	98	234,752	174	151	23	8
Grading.....	92	41	25	90,699	217	568,139	100	326,200	117	241,879	184	172	12	33
Street paving.....	134	103	35	173,281	525	1,543,893	242	824,545	283	719,348	483	433	45	42
Sewer, gas, water, conduit.....	54	53	27	75,917	87	158,345	34	73,444	53	84,901	98	64	4	19
Dam and reservoir.....	25	20	6	22,500	101	564,411	76	350,340	85	205,071	118	109	9	43
Waterworks.....	9	5	4	35,400	50	130,006	23	75,880	27	64,726	31	29	2	10
Dredging, river, harbor, etc.....	31	6	4	9,700	233	773,364	120	490,195	118	277,160	220	205	15	18
Levee.....	2				(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	
Railroad.....	8	5			42	123,613	19	84,400	23	39,213	30	30	3	3
Foundation.....	5	4	1	7,911	4	7,943	1	650	3	7,293	4	4		
Central station, light and power plant.....	15	8	5	54,188	56	138,574	33	70,087	23	62,487	50	43	13	
Air transport work.....	1	(1)												
Oil and natural gas pipe line.....	6	6	3	6,418	25	42,881	14	16,681	11	26,200	25	19	6	
Vehicular subway and tunnel.....	1	(1)			(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	
Telephone line and system.....	1				(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	
Subcontractors.....	1,478	871	671	2,113,311	3,470	8,408,233	2,439	5,723,441	1,631	2,678,812	2,843	2,185	658	627
Carpentering and wood flooring.....	57	39	33	92,884	71	150,117	43	89,002	28	60,515	62	49	13	9
Concreting.....	46	46	16	30,579	57	131,507	23	56,758	29	74,749	53	41	12	4
Electrical.....	225	91	146	460,068	563	1,272,612	427	945,593	136	327,019	479	350	129	84
Elevator construction.....	11		2	11,323	66	184,402	40	131,279	20	53,133	43	32	11	23
Heating and plumbing.....	415	241	171	519,025	989	2,429,877	727	1,702,285	262	727,592	725	531	104	264
Heating and piping.....	83	40	20	74,912	205	522,010	149	374,483	60	147,533	104	121	43	41
Pipe covering.....	9	4			53	130,715	48	101,550	10	29,165	24	21	3	34
Plumbing.....	269	170	132	392,374	559	1,360,837	418	963,448	141	397,389	418	307	111	141
Plumbing and heating combined.....	43	21	19	51,739	119	292,066	83	188,221	36	104,745	82	56	26	37
Automatic temperature control.....	2				48	123,343	29	74,583	19	48,760	37	20	11	11
Automatic sprinkler systems.....	9	6												
Masonry.....	61	64	11	47,860	39	86,007	24	40,019	15	40,588	36	31	5	3
Painting and decorating.....	116	76	67	211,674	193	468,420	123	287,530	70	150,590	103	123	40	30
Glass and glazing.....	23	2	9	34,110	88	180,056	64	130,247	24	43,898	79	61	18	9
Plastering and lathing.....	98	95	45	155,938	103	283,328	52	110,974	50	172,364	84	64	29	24
Roofing and sheet-metal work.....	159	81	81	241,747	331	738,221	254	574,594	77	193,927	280	214	66	51
Roofing.....	86	45	43	127,710	165	399,353	125	258,509	40	80,844	143	107	36	22
Sheet-metal work.....	68	36	38	104,031	162	355,535	118	276,392	34	79,143	126	98	28	26
Roofing and sheet metal combined.....	5		2	10,000	14	43,333	11	30,693	3	3,640	11	9	2	3
Steel erection.....	30	8	4	14,225	314	884,440	225	578,567	89	305,889	301	246	55	13
Stonework.....	8	4	3	8,000	17	55,413	12	40,469	5	14,969	12	11	1	5
Marble and tiling.....	106	60	39	130,211	291	744,691	204	522,292	37	222,439	253	198	55	38
Wrecking.....	4	3	2	7,200	6	11,279	3	4,580	3	6,699	3	3		3
Excavating.....	40	27	12	51,039	119	285,861	64	160,318	55	125,043	75	68	9	44
Ornamental iron.....	29	16	10	26,426	81	201,185	60	153,228	21	47,957	75	68	12	6
Highway.....	2	2	1	3,000	6	7,537		900	5	6,037	6	6		
Bridge and culvert.....	1				19	38,570	12	24,320	7	14,250	14	12	2	5
Grading.....	7	5			6	10,940	6	13,100	4	8,840	10	10		
Street paving.....	4	2	1	6,500	10	21,940	3	6,161	2	5,104	5	4	1	
Sewer, gas, water, conduit.....	2	1	4	11,001	5	11,295	3	6,161	2	5,104	5	4	1	
Waterworks.....	1				23	52,820	7	20,250	16	32,540	23	22	1	
Dredging, river, harbor, etc.....	4		1	4,200	6	31,133	3	7,302	3	7,302	1	1		5
Soundproofing.....	3		1	6,000										
Power plant.....	2		(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	
Metal work, n. o. s.....	10	3	5	9,115	33	67,931	25	50,011	8	17,020	26	20	6	7
Flooring, n. o. s.....	15	5	4	14,394	33	66,204	26	49,867	7	16,397	33	25	8	

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

CONSTRUCTION—UNITED STATES SUMMARY

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 con-struction busi-ness reported	Wages paid	Estab-lishments reporting	EQUIPMENT		Value of con-struction busi-ness reported	Wages paid
		Purchased during the year	Inventory value at end of year				Purchased during the year	Inventory value at end of year		
UNITED STATES										
All classes of establishments.....	26,718	\$104,746,651	\$407,039,722	\$5,684,664,378	\$1,335,249,246	2,427	\$8,287,976	\$24,783,993	\$438,152,389	\$121,028,373
NEW ENGLAND										
Operative builders.....	621	246,708	625,509	134,156,219	11,936,327	55	11,182	62,775	4,562,307	697,528
General contractors.....	13,276	85,452,254	326,299,107	3,896,504,028	847,567,751	1,145	6,993,604	19,513,470	319,361,466	80,143,798
Building.....	8,923	12,934,884	58,220,050	2,308,920,588	454,918,411	880	2,802,719	6,414,059	194,005,874	50,293,945
Building not specialized.....	6,317	11,375,659	51,275,189	1,937,533,930	384,307,461	620	2,642,884	5,043,228	167,040,625	43,085,664
Commercial building only.....	481	551,808	2,483,801	125,423,340	22,404,345	41	49,465	162,013	6,047,071	1,536,326
Manufacturing building only.....	68	227,803	910,870	61,695,549	11,879,259	6	3,477	10,754	1,624,661	872,710
Residential building only.....	2,057	779,614	3,550,094	214,262,761	36,327,346	222	106,893	592,064	19,293,517	4,704,846
Highway.....	1,446	24,188,663	85,275,001	429,705,544	99,089,491	85	2,130,835	6,091,155	31,881,134	6,036,045
Bridge and culvert.....	440	6,920,703	17,808,657	124,994,074	32,011,153	31	102,935	761,653	5,569,884	1,810,837
Grading.....	361	4,557,465	16,207,689	44,888,191	15,436,493	33	323,277	1,133,395	3,603,431	1,579,290
Street paving.....	918	8,792,654	40,402,586	268,810,675	58,249,459	20	351,828	948,670	7,116,145	1,047,142
Sewer, gas, water, conduit.....	458	5,187,313	17,653,822	109,663,621	34,800,348	22	144,487	831,808	2,856,635	1,400,502
Dam and reservoir.....	96	2,407,041	4,084,632	26,633,614	7,980,647	7	241,330	542,833	3,075,956	1,361,071
Waterworks.....	84	2,407,041	5,621,027	42,050,402	11,034,629	6	180,000	70,197	3,452,008	139,028
Dredging, river, harbor, etc.....	181	8,970,401	50,432,086	97,174,993	26,448,452	17	91,306	1,077,726	4,553,894	1,517,226
Levee.....	28	498,131	3,802,004	3,584,406	1,029,903	1	—	—	—	—
Railroad.....	132	4,260,452	14,563,587	104,716,565	34,716,281	2	261,602	928,293	8,426,019	1,329,722
Foundation.....	53	237,778	1,005,752	6,872,630	2,174,755	11	—	—	—	—
Central station, light and power plant.....	80	1,290,389	4,155,000	146,517,880	35,296,474	10	420,115	825,591	62,079,531	14,716,863
Air transport work.....	7	300,621	469,091	2,415,539	859,903	1	()	()	()	()
Refuse disposal plant.....	7	15,767	227,793	1,720,758	527,388	—	—	—	—	—
Oil and natural gas pipe line.....	20	1,633,420	1,736,514	28,180,968	8,916,530	—	—	—	—	—
Subway (other than buildings).....	23	2,409,070	4,826,062	70,493,764	22,119,496	—	—	—	—	—
Vehicular subway and tunnel.....	3	8,500	33,855	3,772,280	130,193	—	—	—	—	—
Telephone line and system.....	0	—	—	—	—	—	—	—	—	—
Miscellaneous, n. e. s.....	1	411,409	772,269	5,377,838	1,827,745	2	()	()	()	()
Subcontractors.....	12,821	19,047,589	80,115,106	1,044,004,131	475,745,168	1,227	1,263,190	5,207,748	114,228,566	34,187,047
Carpentering and wood flooring.....	322	183,377	1,453,745	31,599,274	9,642,771	10	23,790	56,894	1,125,035	336,868
Concreting.....	446	1,585,719	4,681,600	40,248,839	22,966,475	33	118,353	299,750	3,018,100	1,173,991
Electrical.....	1,617	1,115,126	4,654,905	174,678,207	54,780,503	178	104,068	525,280	14,120,101	4,660,261
Elevator construction.....	105	311,462	1,243,801	71,623,407	11,989,564	11	12,415	108,107	4,137,411	698,283
Heating and plumbing.....	4,641	3,256,698	15,491,383	527,730,217	127,799,201	535	410,345	1,642,483	46,823,800	11,418,267
Heating and piping.....	1,215	1,039,992	5,161,401	198,779,840	43,685,618	159	130,133	664,806	19,480,071	4,227,381
Pipe covering.....	52	25,405	60,390	11,083,007	3,961,169	2	—	—	—	—
Plumbing.....	2,957	1,534,339	6,471,923	216,116,102	55,971,498	231	202,567	556,504	15,675,787	4,159,515
Plumbing and heating combined.....	950	526,749	3,176,100	77,835,797	18,800,697	140	50,286	374,514	9,003,292	2,594,675
Automatic temperature control.....	23	18,327	117,012	4,560,871	1,103,810	1	—	—	—	—
Automatic sprinkler systems.....	44	111,886	468,557	18,764,600	4,266,403	5	27,359	56,650	1,758,650	486,686
Masonry.....	604	371,578	2,448,418	76,242,120	29,079,877	49	32,780	169,852	2,072,268	1,124,718
Painting and decorating.....	941	740,913	2,082,042	73,124,155	87,723,372	113	65,274	244,758	8,145,423	4,497,628
Glass and glazing.....	123	44,728	582,543	13,564,003	2,520,470	13	580	31,557	866,134	230,852
Plastering and lathing.....	541	462,020	1,832,085	74,507,978	37,957,818	34	14,750	79,629	2,920,044	1,367,175
Roofing and sheet-metal work.....	1,462	1,315,237	6,443,661	126,331,183	32,616,577	128	100,477	471,496	9,307,510	2,728,323
Roofing.....	778	861,866	2,960,188	67,073,413	16,856,820	64	57,019	188,810	4,240,907	1,047,822
Sheet-metal work.....	456	295,519	2,354,802	37,672,333	11,149,431	35	33,005	192,106	2,699,846	883,209
Roofing and sheet metal combined.....	229	157,852	1,158,781	20,985,387	6,111,326	29	6,453	60,580	2,456,076	797,352
Steel erection.....	265	1,604,295	8,615,617	122,183,025	23,094,196	16	20,073	423,504	4,993,045	958,972
Stonework.....	145	437,674	3,177,840	23,332,750	8,103,734	6	81,931	69,392	762,853	364,077
Marble and tiling.....	698	728,953	3,953,309	92,902,970	28,178,526	33	20,283	168,610	4,705,117	1,329,810
Wrecking.....	40	160,750	576,351	3,606,093	1,965,741	8	13,646	140,753	863,055	427,537
Excavating.....	276	3,183,784	11,784,232	37,732,987	13,664,955	16	120,208	442,728	1,401,506	500,940
Ornamental iron.....	195	162,974	1,784,568	25,510,501	5,342,792	17	10,280	151,172	1,957,380	390,855
Highway.....	25	256,638	661,765	4,143,883	903,737	—	—	—	—	—
Bridge and culvert.....	13	71,603	295,186	1,465,176	523,815	—	—	—	—	—
Grading.....	56	597,693	1,746,895	5,517,102	1,966,310	6	5,900	49,077	268,785	129,190
Street paving.....	16	53,897	350,749	3,008,295	929,195	1	()	()	()	()
Sewer, gas, water, conduit.....	14	234,913	284,944	5,479,590	2,085,242	1	()	()	()	()
Dam and reservoir.....	1	—	—	—	91,859	—	—	—	—	—
Waterworks.....	3	10,128	70,247	334,153	1,905,296	2	—	()	()	()
Dredging, river, harbor, etc.....	12	45,682	502,078	1,905,296	638,157	—	—	()	()	()
Soundproofing.....	21	28,791	92,268	4,061,842	778,977	—	—	—	—	—
Railroad.....	3	80,047	197,163	933,709	294,270	—	—	—	—	—
Foundation.....	25	470,833	1,510,042	22,950,120	6,922,270	4	13,766	50,710	367,617	127,661
Power plant.....	3	5,768	20,808	178,423	178,423	—	—	—	—	—
Metal work, n. e. s.....	115	798,248	1,921,315	41,781,501	8,683,242	5	—	11,275	731,772	150,538
Pipe line.....	2	—	—	—	929,733	—	—	—	—	—
Rental of equipment, trucking, etc.....	75	118,254	904,130	2,280,640	929,733	—	—	—	—	—
Flooring, n. e. s.....	16	—	—	—	2,623,066	2	()	()	()	()
Miscellaneous.....	1	110,800	255,516	10,250,414	—	—	—	—	—	—
Percentage of equipment owned										
General contractors.....	13,897	85,698,962	326,924,616	4,020,660,247	859,504,078	1,200	7,004,786	19,576,245	323,923,773	86,841,326
None.....	1,030	—	—	259,794,436	24,551,993	55	—	—	49,696,380	9,718,207
1 to 25 per cent.....	253	602,097	1,407,707	100,988,084	16,100,030	19	48,009	172,787	2,710,019	873,034
26 to 50 per cent.....	203	1,043,922	2,520,892	81,423,391	16,334,721	18	99,397	168,711	3,945,629	813,671
51 to 75 per cent.....	494	2,948,198	8,141,397	174,670,436	34,103,075	53	639,431	1,394,131	30,388,231	7,105,663
76 to 99 per cent.....	2,159	25,008,499	88,464,009	1,006,128,808	285,925,457	197	1,075,089	6,042,068	65,060,049	18,800,460
100 per cent.....	9,270	53,050,747	221,420,667	2,256,144,379	507,800,159	825	3,424,430	11,053,162	157,197,999	45,785,898
Not reported.....	428	2,245,499	4,969,647	14,510,063	24,688,043	33	818,430	744,786	14,926,366	3,944,343
Subcontractors.....	12,821	19,047,589	80,115,106	1,044,004,131	475,745,168	1,227	1,263,190	5,207,748	114,228,566	34,187,047
None.....	485	—	—	77,562,791	21,029,274	35	—	—	1,933,585	907,621
1 to 25 per cent.....	62	129,180	234,566	15,333,240	5,885,354	4	21,156	19,099	169,760	49,763
26 to 50 per cent.....	89	318,486	1,074,628	16,080,888	5,998,144	7	14,221	31,551	400,177	162,813
51 to 75 per cent.....	176	826,317	2,121,912	26,460,260	7,952,533	14	41,841	89,236	809,017	255,390
76 to 99 per cent.....	680	3,354,766	12,197,444	173,893,788	50,142,294	31	72,469			

CONSTRUCTION—UNITED STATES SUMMARY

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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	Estab-lish-ments reporting	EQUIPMENT			Value of con-struction busi-ness reported	Wages paid	Estab-lish-ments report-ing	EQUIPMENT			Value of con-struction busi-ness reported	Wages paid
		Purchased during the year	Inventory value at end of year					Purchased during the year	Inventory value at end of year			
MIDDLE ATLANTIC												
All classes of establishments.....	7,377	\$31,139,673	\$127,002,862	\$1,084,530,905	\$460,338,536							
EAST NORTH CENTRAL												
		\$21,331,472	\$99,208,060	\$1,428,617,828	\$341,783,720	0,990						
<i>Classification of establishments</i>												
Operative builders.....	193	21,018	105,505	00,560,870	2,500,040	157	135,821	214,023	25,702,557	2,288,438		
General contractors.....	3,243	24,837,280	99,794,433	1,208,350,048	273,661,767	3,206	16,427,850	77,978,510	933,583,297	202,350,613		
Building.....	2,329	3,147,985	19,615,502	847,770,317	147,028,133	2,148	2,919,184	14,205,792	614,128,070	123,210,772		
Building not specialized.....	1,562	2,692,902	17,473,438	680,308,805	124,014,747	1,400	2,473,098	12,420,218	484,072,611	100,912,376		
Commercial building only.....	140	83,708	600,123	33,172,702	4,814,298	80	35,825	680,709	48,219,120	9,402,899		
Manufacturing building only.....	18	80,339	224,470	54,173,157	5,103,040	22	85,571	424,786	24,154,272	4,184,912		
Residential building only.....	603	285,036	1,317,525	80,094,593	13,605,148	568	173,790	730,019	57,082,061	8,625,586		
Highway.....	294	5,778,582	21,700,406	98,132,305	24,388,020	360	3,925,430	18,335,108	85,824,910	18,031,180		
Bridge and culvert.....	61	2,511,886	5,508,728	33,106,554	7,335,385	109	900,047	3,259,443	23,081,966	5,945,588		
Grading.....	49	481,964	2,710,098	7,076,302	1,499,157	51	413,041	1,549,517	4,728,974	1,387,202		
Street paving.....	211	2,135,663	11,100,204	60,131,050	16,472,000	289	2,523,065	11,091,618	85,876,903	16,900,020		
Sewer, gas, water, conduit.....	107	1,808,543	5,507,270	32,000,607	7,422,667	182	1,738,194	7,612,075	47,774,085	15,013,557		
Dam and reservoir.....	8	86,018	355,667	2,422,667	843,627	17	120,040	734,881	1,883,373	482,520		
Waterworks.....	33	1,802,019	3,241,677	20,114,408	7,265,800	21	182,174	895,120	4,002,083	1,286,898		
Dredging, river, harbor, etc.....	51	3,144,663	20,548,755	39,223,420	10,715,158	86	2,451,262	14,071,447	19,958,050	5,147,610		
Levee.....						4	31,480	102,120	202,809	83,141		
Railroad.....	34	825,100	2,898,250	20,820,057	9,480,619	30	765,472	2,902,979	17,011,884	6,554,948		
Foundation.....	15	32,085	195,705	2,348,355	685,733	15	69,950	312,130	2,149,007	685,908		
Central station, light and power plant.....	17	167,107	550,708	39,580,880	10,900,744	18	88,350	791,223	10,753,770	3,790,597		
Air transport work.....	2	(1)	(1)	(1)	(1)	2	(1)	(1)	(1)	(1)		
Refuse disposal plant.....	4	6,144	65,212	617,618	120,451	2	(1)	(1)	(1)	(1)		
Oil and natural gas pipe line.....	1	(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	(1)		
Subway (other than buildings).....	23	2,409,070	4,826,002	70,403,704	22,119,490	2	(1)	(1)	(1)	(1)		
Vehicular subway and tunnel.....												
Telephone line and system.....	3											
Radio tower, etc.....		340,080	565,510	4,683,116	1,505,043							
Miscellaneous, n. e. s.....	1											
Subcontractors.....	3,941	6,281,375	27,102,924	625,620,038	190,116,739	3,537	4,768,301	21,075,527	469,241,974	137,135,669		
Carpentering and wood flooring.....	147	70,493	872,701	10,079,093	5,207,901	92	38,184	325,730	8,831,830	2,641,000		
Concreting.....	120	418,825	1,432,127	20,505,450	10,741,738	129	323,757	1,212,034	15,344,527	5,001,228		
Electrical.....	422	287,334	1,224,220	61,700,610	21,355,450	436	376,244	1,536,436	51,047,401	10,230,862		
Elevator construction.....	39	171,004	544,631	32,393,323	6,231,103	21	60,430	327,017	18,728,184	2,457,387		
Heating and plumbing.....	1,416	929,906	4,707,232	183,052,178	46,144,098	1,272	875,372	4,862,130	101,821,174	30,908,210		
Heating and piping.....	368	289,819	1,077,185	65,468,322	14,834,478	375	345,918	1,780,872	75,742,386	10,303,420		
Pipe covering.....	15	8,012	11,951	5,015,373	1,020,275	17	7,815	36,300	2,647,623	1,053,665		
Plumbing.....	710	402,585	2,108,211	80,417,808	21,454,771	618	327,850	1,641,540	52,500,934	14,210,840		
Plumbing and heating combined.....	301	157,520	906,337	32,832,120	6,039,000	242	134,022	1,040,965	21,615,925	5,104,418		
Automatic temperature control.....	5	3,680	8,700	1,485,009	395,707	7	12,825	95,487	7,807,975	447,978		
Automatic sprinkler control.....	11	8,280	34,885	6,084,646	1,630,462	13	40,003	260,960	7,407,331	1,610,880		
Masonry.....	217	261,681	1,013,052	32,068,185	13,440,347	170	136,858	638,750	22,094,646	8,333,855		
Painting and decorating.....	286	106,628	644,552	23,147,457	11,126,389	284	207,310	1,009,411	25,003,625	13,505,467		
Glass and glazing.....	33	9,567	255,502	3,098,470	756,559	40	116,374	4,018,910	11,374,910	3,881,007		
Plastering and lathing.....	126	160,719	505,400	29,250,340	16,013,577	186	146,691	728,222	24,270,740	12,308,030		
Roofing and sheet-metal work.....	398	293,103	1,941,790	37,683,337	10,302,026	428	492,488	1,967,221	40,275,585	10,373,070		
Roofing.....	184	158,845	687,186	15,661,493	4,610,363	227	367,247	994,959	20,846,275	4,736,928		
Sheet-metal work.....	121	50,845	716,973	11,235,180	3,880,950	147	98,120	711,933	12,085,541	3,768,738		
Roofing and sheet metal com-bined.....	93	83,413	537,037	7,956,748	2,301,713	54	30,115	260,329	6,743,769	2,007,404		
Steel erection.....	115	885,007	3,005,109	60,130,431	11,618,133	82	357,418	1,968,050	26,112,354	5,897,331		
Stonework.....	60	174,244	1,076,878	12,245,609	4,364,080	67	91,061	600,628	4,565,750	1,388,756		
Marble and tiling.....	220	389,251	1,782,405	32,676,024	10,714,257	177	124,332	712,460	23,372,721	7,547,138		
Wrecking.....	16	82,787	121,951	1,465,433	931,608	12	43,583	230,054	1,054,702	1,102,106		
Excavating.....	87	942,706	3,308,225	16,262,162	6,208,611	69	608,762	2,676,264	6,382,919	2,113,002		
Ornamental iron.....	113	39,176	956,401	13,910,953	2,556,243	19	88,956	278,813	5,157,745	1,332,123		
Highway.....	8					4	45,978	98,080	662,306	80,001		
Bridge and culvert.....	1	38,293	162,129	1,319,317	303,023	3	40,305	176,198	481,237	229,140		
Grading.....	13	126,122	873,874	1,770,508	679,448	15	211,606	528,896	1,329,690	475,576		
Street paving.....	2	(1)	(1)	(1)	(1)	8	20,054	170,222	2,056,806	654,741		
Sewer, gas, water, conduit.....	5					4	28,566	87,000	406,813	166,338		
Dam and reservoir.....	1	17,508	94,256	574,941	192,301							
Waterworks.....	1		(1)	(1)	(1)	1	(1)	(1)	(1)	(1)		
Dredging, river, harbor, etc.....	7	(1)	18,641	2,425,322	422,474	7	14,359	65,178	983,840	202,146		
Soundproofing.....	2	7,705	19,841	2,425,322	422,474	5	75,822	220,012	1,761,879	552,968		
Foundation.....	11	373,028	1,197,251	19,902,501	5,800,838	1	(1)	(1)	(1)	(1)		
Power plant.....	25					25	192,064	496,290	17,610,183	2,785,431		
Metal work, n. e. s.....	37	294,061	681,807	10,109,543	3,217,508	6	36,165	394,448	1,477,677	580,240		
Rental of equipment, trucking, etc.....	4	23,115	122,807	237,138	101,716	15	51,295	42,861	3,121,302	579,571		
Flooring, n. e. s.....	28	50,970	182,715	3,938,873	1,814,783							
<i>Percentage of equipment owned</i>												
General contractors.....	3,436	24,858,298	99,899,938	1,358,910,927	276,221,797	3,453	16,563,171	78,192,533	959,375,854	204,648,051		
None.....	363			128,077,001	6,780,859	265			44,190,925	3,060,811		
1 to 25 per cent.....	89	194,788	668,795	9,658,187	10,465,901	49	71,195	264,894	22,981,535	2,300,485		
26 to 50 per cent.....	64	428,978	1,159,833	32,487,042	5,987,814	70	187,371	470,599	27,612,372	0,133,685		
51 to 75 per cent.....	126	1,019,428	2,545,788	45,090,083	9,740,893	100	368,079	1,542,473	57,517,886	9,889,455		
76 to 99 per cent.....	537	8,658,278	34,406,400	333,564,970	77,542,139	567	3,797,457	10,259,076	272,355,607	64,255,895		
100 per cent.....	2,140	14,244,521	59,630,237	701,364,507	155,552,861	2,292	11,961,098	58,993,371	609,064,044	115,883,377		
Not reported.....	117	317,310	1,488,885	60,769,137	9,851,830	110	177,871	665,120	25,153,585	3,513,343		
Subcontractors.....	3,941	6,281,375	27,102,924	625,620,038	190,116,739	3,537	4,768,301	21,075,527	469,241,974	137,135,669		
None.....	238			34,430,430	10,786,400	83			28,066,005	6,120,808		
1 to 25 per cent.....	31	69,036	148,692	12,238,280	4,826,811	7	2,905	20,855	862,622	355,366		
26 to 50 per cent.....	66	88,352	4									

CONSTRUCTION—UNITED STATES SUMMARY

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	Estab-lish-ments report- ing	EQUIPMENT		Value of con-struction busi-ness reported	Wages paid	Estab-lish-ments report- ing	EQUIPMENT		Value of con-struction busi-ness reported	Wages paid
		Purchased during the year	Inventory value at end of year				Purchased during the year	Inventory value at end of year		
WEST NORTH CENTRAL										
All classes of establishments.....	2, 202	\$11, 444, 836	\$39, 780, 293	\$409, 083, 771	\$98, 368, 002	1, 928	\$7, 013, 803	\$30, 230, 589	\$306, 933, 788	\$86, 409, 513
SOUTH ATLANTIC										
Operative builders.....	42	31, 074	82, 923	8, 504, 198	1, 097, 251	64	26, 521	97, 161	20, 437, 718	3, 196, 441
General contractors.....	1, 291	9, 917, 621	33, 953, 823	314, 417, 373	73, 112, 020	1, 028	6, 351, 038	25, 273, 566	273, 712, 322	55, 698, 266
Building.....	729	967, 254	4, 629, 523	142, 897, 199	29, 591, 338	685	647, 228	3, 170, 527	164, 520, 811	28, 762, 475
Building not specialized.....	506	859, 500	4, 078, 569	123, 200, 265	25, 715, 348	518	554, 585	2, 726, 451	137, 720, 037	24, 907, 893
Commercial building only.....	52	37, 351	281, 165	9, 090, 192	1, 774, 032	82	41, 787	279, 484	12, 633, 010	1, 558, 830
Manufacturing building only.....	4	22, 656	66, 780	748, 010	179, 900	1				
Residential building only.....	107	47, 747	209, 289	10, 288, 133	1, 021, 458	134	50, 856	170, 592	14, 161, 255	2, 295, 782
Highway.....	177	3, 124, 419	9, 200, 708	55, 359, 598	12, 302, 701	141	2, 105, 002	8, 117, 095	45, 043, 824	9, 008, 402
Bridge and culvert.....	90	710, 369	2, 946, 867	21, 526, 219	5, 882, 049	41	365, 726	1, 738, 860	13, 580, 342	3, 397, 897
Grading.....	92	1, 297, 953	3, 539, 774	11, 900, 361	4, 204, 128	30	402, 065	1, 705, 534	3, 003, 023	1, 434, 435
Street paving.....	104	780, 599	3, 785, 109	17, 250, 019	3, 425, 513	53	397, 252	2, 290, 936	13, 244, 121	3, 138, 320
Sewer, gas, water, conduit.....	80	493, 294	370, 521	5, 071, 222	1, 409, 759	22	147, 446	558, 713	3, 807, 235	1, 161, 707
Dam and reservoir.....	11	167, 564	494, 590	7, 396, 351	739, 879	3	109, 905	167, 938	1, 120, 817	415, 094
Waterworks.....	8	49, 400	510, 760	3, 039, 028	609, 905	8	83, 812	81, 853	1, 099, 298	485, 711
Dredging, river, harbor, etc.....	9	874, 639	2, 605, 897	6, 090, 748	1, 906, 505	21	1, 308, 906	4, 083, 291	10, 285, 354	2, 366, 440
Levee.....	6	146, 937	795, 263	952, 485	329, 998	1	(1)	(1)	(1)	(1)
Railroad.....	15	984, 392	3, 241, 139	28, 406, 985	9, 389, 200	18	779, 431	2, 086, 790	15, 455, 147	4, 332, 160
Foundation.....	1	(1)	(1)	(1)	(1)	3	23, 235	118, 777	324, 282	116, 122
Central station, light and power plant.....	12	100, 008	260, 393	5, 716, 248	1, 400, 921	2	(1)	(1)	(1)	(1)
Air transport work.....	1	(1)	(1)	(1)	(1)					
Refuse disposal plant.....	1	(1)	(1)	(1)	(1)					
Oil and natural gas pipe line.....	3	225, 230	328, 778	8, 619, 372	1, 682, 092					
Telephone line and system.....	2	(1)	(1)	(1)	(1)					
Subcontractors.....	860	1, 495, 641	5, 724, 017	86, 162, 200	23, 559, 331	836	1, 535, 644	4, 859, 872	101, 183, 748	27, 514, 806
Carpentering and wood flooring.....	9	1, 776	10, 756	547, 499	179, 787	3	4, 018	7, 482	313, 530	139, 545
Concreting.....	45	120, 680	425, 375	5, 788, 489	1, 937, 057	29	180, 410	399, 987	4, 082, 307	1, 387, 160
Electrical.....	116	70, 715	220, 199	8, 690, 488	2, 640, 098	106	54, 400	316, 963	10, 450, 632	2, 841, 550
Elevator construction.....	5	13, 282	101, 303	2, 740, 711	551, 011	11	16, 908	49, 135	4, 030, 278	777, 720
Heating and plumbing.....	836	103, 751	904, 108	27, 803, 460	6, 527, 845	309	186, 197	800, 669	35, 737, 087	7, 892, 095
Heating and piping.....	82	45, 200	236, 411	7, 396, 274	1, 497, 865	94	79, 570	280, 125	16, 043, 621	3, 181, 950
Pipe covering.....	5	2, 143	4, 341	1, 359, 322	396, 173	3	404	500	476, 864	162, 325
Plumbing.....	151	74, 783	409, 245	11, 383, 009	2, 844, 833	140	71, 144	337, 595	13, 214, 260	3, 432, 087
Plumbing and heating combined.....	98	42, 630	238, 034	6, 707, 144	1, 547, 213	57	31, 335	165, 947	4, 207, 594	975, 644
Automatic temperature control.....	3		16, 077	957, 711	241, 701	2		10, 502	894, 769	149, 589
Automatic sprinkler systems.....	1		10, 812	3, 783, 259	1, 414, 818	43	47, 549	188, 782	7, 635, 087	2, 892, 082
Masonry.....	24	210, 734	141, 555	3, 187, 845	1, 745, 540	47	27, 422	96, 304	3, 154, 879	1, 596, 394
Painting and decorating.....	48	26, 720	30, 896	880, 618	201, 746	4		9, 701	573, 340	64, 037
Glass and glazing.....	5	6, 550	56, 053	1, 923, 033	891, 558	29	20, 533	47, 885	2, 723, 050	1, 353, 485
Plastering and lathing.....	25	12, 716	425, 122	7, 257, 072	1, 703, 016	111	65, 644	413, 560	9, 318, 550	2, 339, 837
Roofing and sheet-metal work.....	110	74, 083	241, 579	4, 620, 020	952, 995	70	43, 053	261, 348	6, 187, 046	1, 439, 252
Roofing.....	69	54, 318	134, 806	2, 058, 760	603, 747	23	15, 208	79, 176	1, 723, 577	523, 400
Sheet-metal work.....	32	17, 749								
Roofing and sheet metal com- bined.....	9	2, 016	48, 647	578, 292	146, 274	18	7, 383	73, 030	1, 437, 027	377, 086
Steel erection.....	11	29, 936	222, 085	4, 968, 862	953, 369	13	124, 379	376, 665	6, 039, 907	824, 866
Stonework.....	9	5, 690	250, 842	1, 219, 683	343, 679	10	97, 380	2, 958, 735	1, 282, 448	1, 282, 448
Marble and tiling.....	50	21, 159	192, 632	4, 827, 755	1, 455, 592	65	51, 360	288, 458	6, 935, 871	2, 077, 906
Excavating.....	29	306, 604	1, 552, 283	3, 505, 605	1, 108, 579	21	502, 524	1, 020, 015	2, 880, 127	1, 038, 140
Ornamental iron.....	6	2, 195	64, 904	624, 813	126, 031	6	5, 503	40, 647	428, 246	88, 938
Highway.....	4	78, 520	238, 221	1, 185, 158	281, 976	4				
Bridge and culvert.....	3	8, 830	59, 376	441, 779	189, 710	2	04, 039	105, 215	743, 293	151, 340
Grading.....	9	63, 776	285, 149	772, 136	262, 740	3	41, 174	67, 215	215, 027	92, 201
Sewer, gas, water, conduit.....	1	(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	(1)
Dredging, river, harbor, etc.....	1	(1)	(1)	(1)	(1)	8	12, 590	243, 934	555, 579	145, 287
Soundproofing.....	1	(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	(1)
Railroad.....	3	80, 047	197, 163	933, 769	294, 270	1	(1)	(1)	(1)	(1)
Foundation.....	1	(1)	(1)	(1)	(1)	6	5, 975	10, 322	470, 282	121, 736
Metal work, n. e. s.....	17	51, 142	143, 138	4, 183, 531	749, 270	1	(1)	(1)	(1)	(1)
Rental of equipment, trucking, etc.....	1					1	(1)	(1)	(1)	(1)
Flooring, n. e. s.....	4	2, 867	16, 665	247, 820	84, 688	4	296	3, 969	340, 855	69, 596
Percentage of equipment owned										
General contractors.....	1, 333	0, 049, 195	34, 036, 249	322, 921, 571	74, 800, 271	1, 092	6, 378, 159	25, 370, 717	294, 150, 040	58, 894, 707
None.....	45			5, 083, 753	828, 718	70			10, 912, 250	1, 128, 736
1 to 25 per cent.....	13	2, 441	13, 271	3, 025, 415	501, 515	22	3, 595	23, 505	3, 034, 172	389, 631
26 to 50 per cent.....	14	11, 961	48, 516	2, 985, 204	472, 570	17	63, 537	98, 643	2, 243, 133	501, 371
51 to 75 per cent.....	24	117, 850	277, 413	4, 378, 349	1, 320, 920	34	127, 988	331, 163	10, 939, 732	1, 099, 393
76 to 99 per cent.....	185	3, 141, 606	10, 310, 069	87, 331, 733	23, 805, 410	130	1, 022, 470	4, 158, 623	45, 099, 647	9, 469, 062
100 per cent.....	1, 027	6, 500, 744	23, 146, 766	216, 002, 615	47, 421, 273	703	5, 088, 712	20, 448, 942	212, 324, 854	44, 024, 302
Not reported.....	25	174, 593	240, 211	4, 161, 502	458, 556	26	71, 887	309, 841	9, 590, 072	1, 442, 212
Subcontractors.....	869	1, 495, 641	5, 724, 017	86, 162, 200	23, 559, 331	836	1, 535, 644	4, 859, 872	101, 183, 748	27, 514, 806
None.....	20			1, 780, 419	465, 237	28			2, 505, 815	587, 841
1 to 25 per cent.....	3	20, 742	9, 863	124, 847	48, 144	6	4, 265	12, 257	771, 782	352, 352
26 to 50 per cent.....	7	80, 118	195, 096	1, 072, 553	312, 314	6	37, 638	46, 474	552, 421	222, 394
51 to 75 per cent.....	7	11, 554	42, 745	567, 399	131, 580	12	67, 150	76, 761	1, 274, 792	424, 230
76 to 99 per cent.....	48	188, 470	765, 358	7, 428, 985	2, 485, 227	44	436, 543	939, 016	11, 375, 973	3, 018, 641
100 per cent.....	751	1, 151, 074	4, 540, 310	72, 120, 895	19, 222, 043	721	969, 811	3, 728, 136	83, 253, 599	22, 488, 891
Not reported.....	33	43, 683	164, 645	3, 067, 127	894, 186	19	20, 237	56, 628	1, 389, 366	420, 457

See footnotes at end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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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	Estab-lish-ments report-ing	EQUIPMENT		Value of con-struction busi-ness reported	Wages paid	Estab-lish-ments report-ing	EQUIPMENT		Value of con-struction busi-ness reported	Wages paid
		Purchased during the year	Inventory value at end of year				Purchased during the year	Inventory value at end of year		
EAST SOUTH CENTRAL										
All classes of establishments.....	826	\$3,648,974	\$14,814,641	\$163,706,094	\$33,230,466	1,390	\$7,794,328	\$23,028,426	\$280,596,970	\$63,879,096
WEST SOUTH CENTRAL										
<i>Classification of establishments</i>										
Operative builders.....	12	815	2,575	1,191,710	161,759	24	4,385	10,152	2,084,132	480,142
General contractors.....	473	3,113,103	12,627,938	114,752,727	23,997,368	816	6,786,492	19,159,500	218,781,789	49,081,735
Building.....	291	410,154	1,823,924	52,914,349	10,732,411	520	750,216	3,069,467	110,046,300	22,107,008
Building not specialized.....	224	336,613	1,040,763	45,355,063	9,164,407	414	670,882	2,717,252	97,133,557	19,624,479
Commercial building only.....	14	60,602	120,318	3,484,920	741,607	34	41,699	166,133	6,576,870	947,239
Manufacturing building only.....	2					3	6,020	19,712	695,494	430,067
Residential building only.....	51	12,879	62,543	4,074,357	836,367	75	31,715	160,370	5,640,370	1,106,125
Highway.....	72	1,326,010	4,799,573	26,375,975	5,038,045	113	2,341,291	5,928,617	36,512,777	7,598,198
Bridge and culvert.....	22	201,527	455,482	5,892,768	1,400,470	32	240,182	574,083	6,748,865	1,804,303
Grading.....	21	304,871	820,250	2,366,761	383,553	8	75,780	184,590	779,104	424,977
Street paving.....	38	340,907	1,332,202	7,400,563	1,535,703	49	704,258	2,846,293	21,000,993	4,414,761
Sewer, gas, water, conduit.....	15	230,214	532,973	3,063,702	854,008	23	270,248	962,515	6,568,544	1,653,192
Dam and reservoir.....						8	249,020	940,931	4,876,028	1,361,038
Waterworks.....	1	(1)	(1)	(1)	(1)	10	115,049	323,362	2,863,723	651,842
Dredging, river, harbor, etc.....						14	191,645	2,018,042	5,000,628	1,328,517
Levee.....	7	90,193	1,394,203	1,008,410	208,376	8	213,249	710,254	1,113,744	230,889
Railroad.....	4	82,803	464,001	2,085,749	545,208	9	230,938	641,130	4,067,436	1,486,077
Foundation.....	1	(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	(1)
Central station, light and power plant.....	1	(1)	(1)	(1)	(1)	5	154,534	121,303	3,303,548	700,493
Oil and natural gas pipe line.....						9	1,177,404	1,118,708	15,488,400	5,252,542
Telephone line and system.....						1	(1)	(1)	(1)	(1)
Subcontractors.....	340	534,996	2,184,128	37,761,657	9,071,338	550	1,003,451	3,858,713	58,831,049	14,317,219
Carpentering and wood flooring.....	3	3,630	10,127	106,720	50,483	1	(1)	(1)	(1)	(1)
Concreting.....	14	271,732	224,551	1,416,924	460,067	22	45,548	176,908	1,184,905	417,060
Electrical.....	50	17,732	117,159	3,765,132	897,428	87	90,005	278,271	6,973,127	1,705,420
Elevator construction.....	5	4,069	9,610	979,615	164,918	5	12,023	35,552	3,519,400	362,484
Heating and plumbing.....	117	92,130	370,074	8,076,999	2,023,360	198	174,539	572,923	17,300,284	3,025,423
Heating and piping.....	33	12,910	124,042	2,078,906	589,047	17	71,418	78,155	2,215,797	481,661
Pipe covering.....						1				
Plumbing.....	60	62,710	175,093	4,695,218	1,121,319	143	85,242	383,769	10,670,378	2,567,184
Plumbing and heating combined.....	23	16,504	70,939	1,302,785	312,934	33	17,599	105,879	4,045,793	804,622
Automatic sprinkler systems.....	1					3	310	5,120	3,744,310	61,950
Masonry.....	15	21,577	55,698	1,773,443	704,013	8	1,910	16,392	474,210	220,145
Painting and decorating.....	17	10,659	46,737	880,777	463,468	29	13,532	47,128	1,394,564	605,598
Glass and glazing.....	2	(1)	(1)	(1)	(1)	3	2,400	7,281	192,167	52,055
Plastering and lathing.....	13	6,456	23,383	1,416,845	695,178	30	27,845	48,790	3,440,445	1,047,035
Roofing and sheet-metal work.....	53	26,690	204,685	4,133,037	860,629	78	117,020	372,097	6,175,804	1,320,187
Roofing.....	30	18,027	119,266	2,636,472	454,900	40	92,421	222,885	4,006,373	760,654
Sheet-metal work.....	16	7,619	69,500	871,923	266,039	20	11,761	70,798	1,342,181	398,403
Roofing and sheet metal combined.....	8	1,034	18,919	624,702	130,681	12	12,838	72,414	827,310	182,130
Steel erection.....	8	27,350	715,165	5,945,871	984,024	6	33,609	518,343	3,882,889	490,871
Stonework.....	6	906	50,424	279,301	90,710	5	24,010	160,101	602,487	201,068
Marble and tiling.....	20	9,180	69,444	5,849,719	1,804,667	39	35,218	130,351	4,690,794	1,199,849
Excavating.....	3	19,097	110,498	610,890	180,507	12	128,765	487,171	884,253	358,937
Ornamental iron.....	3	1,391	20,400	577,462	122,959	5	1,897	27,209	473,165	74,165
Highway.....	1					1	(1)	(1)	(1)	(1)
Bridge and culvert.....	1	18,411	108,459	347,902	65,000	1	(1)	(1)	(1)	(1)
Grading.....	2					1	(1)	(1)	(1)	(1)
Street paving.....						1	(1)	(1)	(1)	(1)
Waterworks.....	1	(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	(1)
Soundproofing.....	1	(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	(1)
Foundation.....	1	(1)	(1)	(1)	(1)	2	(1)	(1)	(1)	(1)
Metal work, n. e. s.....	2					11				
Pipe line.....	1	1,350	8,201	176,412	39,715	2	226,906	443,451	6,079,223	1,246,211
Rental of equipment, trucking, etc.....	1					2	(1)	(1)	(1)	(1)
Flooring, n. e. s.....	1					2	(1)	(1)	(1)	(1)
Miscellaneous.....	1									
<i>Percentage of equipment owned</i>										
General contractors.....	485	3,113,978	12,630,513	115,944,437	24,159,127	840	6,790,877	19,169,712	221,765,921	49,561,877
None.....	21			1,747,799	243,484	37			3,220,357	488,016
1 to 25 per cent.....	12	141,524	120,786	1,732,187	391,909	9	1,745	21,309	1,363,493	223,243
26 to 50 per cent.....	6	1,950	15,980	844,185	169,799	15	123,018	208,007	2,407,775	645,847
51 to 75 per cent.....	12	142,131	629,826	1,781,481	545,800	17	43,750	86,483	2,893,424	484,088
76 to 99 per cent.....	62	683,609	2,125,024	16,752,911	3,549,452	109	1,505,092	3,913,382	48,187,467	11,064,725
100 per cent.....	363	1,971,662	9,627,107	90,641,875	18,591,614	631	5,007,497	14,702,961	160,229,729	35,986,422
Not reported.....	9	173,102	211,790	2,443,999	667,099	22	103,769	237,570	3,454,676	674,536
Subcontractors.....	340	534,996	2,184,128	37,761,657	9,071,338	550	1,003,451	3,858,713	58,831,049	14,317,219
None.....	14			1,615,815	405,812	20			1,604,197	316,764
1 to 25 per cent.....	1		600	26,224	9,176	6	14,021	17,535	920,711	176,115
26 to 50 per cent.....	1	337	2,038	25,820	14,610					
51 to 75 per cent.....	5	9,139	22,751	733,265	241,963	3	897	3,048	132,331	22,231
76 to 99 per cent.....	14	37,922	162,118	1,619,067	565,107	16	78,701	453,772	1,029,809	514,152
100 per cent.....	298	482,256	1,983,587	33,306,465	7,714,718	490	831,374	3,800,668	53,188,781	12,979,549
Not reported.....	7	5,342	13,034	434,992	120,046	15	78,488	82,790	1,355,680	308,408

See footnotes at end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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	Estab-lish-ments report-ing	EQUIPMENT		Value of con-struction busi-ness reported	Wages paid	Estab-lish-ments report-ing	EQUIPMENT		Value of con-struction busi-ness reported	Wages paid
		Purchased during the year	Inventory value at end of year				Purchased during the year	Inventory value at end of year		
		MOUNTAIN				PACIFIC				
All classes of establishments.....	629	\$2,817,370	\$9,678,727	\$63,209,274	\$19,715,166	2,960	\$10,388,119	\$38,472,162	\$491,433,349	\$104,496,775
<i>Classification of establishments</i>										
Operative builders.....	8	45	3,408	653,556	87,174	66	15,247	40,997	9,469,162	767,554
General contractors.....	380	2,537,358	8,516,573	63,797,787	14,970,622	1,604	8,487,848	29,481,734	349,747,219	68,542,572
Building.....	236	215,533	1,029,290	29,795,755	6,355,358	1,090	1,074,611	4,255,906	212,833,411	36,225,075
Building not specialized.....	199	204,688	955,534	27,157,085	5,883,182	745	939,627	3,010,710	170,470,202	30,400,490
Commercial building only.....	10	5,900	41,184	804,589	171,089	63	35,511	232,484	9,594,184	1,900,002
Manufacturing building only.....	27	4,065	32,572	1,833,481	301,837	12	33,740	128,586	5,635,001	889,154
Residential building only.....	61	1,033,623	3,430,722	12,254,792	3,114,108	270	65,738	275,120	21,226,024	2,030,420
Highway.....	12	55,176	232,565	1,790,398	477,290	143	2,418,471	7,584,797	35,820,190	7,871,202
Bridge and culvert.....	23	250,067	1,015,042	2,527,811	643,353	48	759,750	1,768,476	13,787,978	3,807,319
Grading.....	23	274,114	968,314	6,530,918	1,476,376	54	1,038,438	3,255,383	8,001,524	2,316,605
Street paving.....	9	25,429	143,103	852,722	173,877	122	1,244,278	5,444,231	44,190,800	8,649,015
Sewer, gas, water, conduit.....	6	46,239	166,422	985,914	323,027	48	329,493	878,748	7,009,769	1,698,791
Dam and reservoir.....	4	212,476	261,749	1,103,210	503,658	24	577,864	1,011,280	8,979,008	2,455,972
Waterworks.....	3	348,608	1,224,884	5,823,971	1,500,490	9	107,391	169,718	2,423,503	608,037
Dredging, river, harbor, etc.....	1	(1)	(1)	(1)	(1)	29	695,613	4,005,079	10,883,113	2,963,323
Levee.....	8	(1)	(1)	(1)	(1)	2	(1)	(1)	(1)	(1)
Railroad.....	1	(1)	(1)	(1)	(1)	8	77,439	379,693	1,033,201	539,535
Foundation.....	1	(1)	(1)	(1)	(1)	6	17,272	69,501	290,563	85,642
Central station, light and power plant.....	1	(1)	(1)	(1)	(1)	14	90,726	488,560	3,218,547	724,527
Air transport work.....	1	(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	(1)
Oil and natural gas pipe line.....	1	(1)	(1)	(1)	(1)	6	45,078	76,574	779,774	427,038
Vehicular subway and tunnel.....	1	(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	(1)
Telephone line and system.....	1	(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	(1)
Subcontractors.....	241	279,967	1,158,740	18,757,931	4,657,370	1,280	1,885,024	8,943,431	132,216,968	35,185,649
Carpentering and wood flooring.....	0	37,040	141,448	803,484	218,065	51	34,282	168,992	4,400,702	1,167,368
Concreteing.....	33	15,342	108,847	1,833,481	525,087	39	63,050	298,654	3,104,647	908,329
Electrical.....	106	88,794	259,707	7,451,042	1,625,773	190	98,720	527,534	16,088,226	3,053,798
Elevator construction.....	21	14,745	57,110	1,582,740	329,635	8	24,780	158,440	5,094,470	720,580
Heating and plumbing.....	21	14,745	57,110	1,582,740	329,635	356	330,004	1,281,991	39,058,193	8,873,550
Heating and piping.....	59	35,633	137,080	3,983,464	908,225	69	56,871	207,117	7,015,034	1,763,419
Pipe covering.....	24	38,416	65,517	1,884,848	387,913	9	1,376	18,807	910,124	283,984
Plumbing.....	2	(1)	(1)	(1)	(1)	230	211,780	722,886	23,415,245	5,272,724
Plumbing and heating combined.....	2	(1)	(1)	(1)	(1)	37	38,040	170,429	4,546,289	1,072,805
Automatic temperature control.....	13	6,539	32,149	827,923	276,879	9	23,507	72,692	2,265,501	480,618
Automatic sprinkler systems.....	12	4,119	19,323	697,795	363,210	56	42,944	233,931	4,373,150	1,167,819
Masonry.....	2	(1)	(1)	(1)	(1)	105	190,240	432,244	7,508,790	3,759,082
Painting and decorating.....	13	7,800	18,250	603,202	281,048	21	12,755	116,992	2,539,038	294,777
Glass and glazing.....	24	16,868	55,610	2,031,596	404,961	85	64,601	234,377	7,932,883	3,500,072
Plastering and lathing.....	12	10,617	27,740	1,157,180	209,579	132	129,374	592,074	10,087,963	2,394,528
Roofing and sheet-metal work.....	11	5,751	27,870	874,400	195,382	76	70,319	206,365	5,546,491	1,134,358
Roofing.....	1	(1)	(1)	(1)	(1)	51	57,455	330,550	4,212,790	1,108,042
Sheet metal work.....	7	19,614	151,301	1,763,606	121,714	5	1,000	55,159	328,082	92,128
Roofing and sheet metal combined.....	10	14,027	25,181	915,040	259,070	6	12,392	29,836	608,251	156,487
Steel erection.....	8	43,469	232,167	1,129,918	367,266	84	67,137	593,759	9,029,935	2,290,147
Stonework.....	1	(1)	(1)	(1)	(1)	4	20,790	83,593	222,003	94,400
Marble and tiling.....	2	3,500	30,250	184,573	80,637	36	426,690	2,022,881	4,728,617	1,732,367
Wrecking.....	2	(1)	(1)	(1)	(1)	25	23,576	240,175	2,286,737	625,897
Excavating.....	1	(1)	(1)	(1)	(1)	2	(1)	(1)	(1)	(1)
Ornamental iron.....	2	(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	(1)
Highway.....	2	(1)	(1)	(1)	(1)	7	115,037	312,196	851,133	231,953
Bridge and culvert.....	1	(1)	(1)	(1)	(1)	3	26,206	76,395	640,765	169,753
Grading.....	1	(1)	(1)	(1)	(1)	2	(1)	(1)	(1)	(1)
Street paving.....	1	(1)	(1)	(1)	(1)	1	1,000	34,046	230,087	61,012
Sewer, gas, water, conduit.....	1	(1)	(1)	(1)	(1)	2	20,775	168,379	493,563	109,188
Waterworks.....	1	(1)	(1)	(1)	(1)	3	200	4,012	235,424	45,493
Dredging, river, harbor, etc.....	2	(1)	(1)	(1)	(1)	2	(1)	(1)	(1)	(1)
Soundproofing.....	1	(1)	(1)	(1)	(1)	10	24,015	123,793	1,467,933	257,412
Railroad.....	1	(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	(1)
Foundation.....	1	(1)	(1)	(1)	(1)	19	4,607	47,837	1,243,435	306,856
Power plant.....	2	(1)	(1)	(1)	(1)	19	4,607	47,837	1,243,435	306,856
Metal work, n. e. s.....	2	(1)	(1)	(1)	(1)	10	24,015	123,793	1,467,933	257,412
Rental of equipment, trucking, etc.....	1	(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	(1)
Flooring, n. e. s.....	1	(1)	(1)	(1)	(1)	19	4,607	47,837	1,243,435	306,856
<i>Percentage of equipment owned</i>										
General contractors ¹	388	2,537,403	8,519,981	64,451,343	15,057,796	1,670	8,593,095	29,523,781	359,216,381	69,310,126
None.....	13	1,550	7,300	769,927	124,203	161	37,285	115,000	18,087,094	1,578,399
1 to 25 per cent.....	8	25,966	28,023	377,598	77,834	52	101,744	322,580	6,200,078	1,070,478
26 to 50 per cent.....	5	68,185	236,062	1,540,296	300,828	82	421,350	1,197,458	8,541,413	1,407,980
51 to 75 per cent.....	48	800,175	1,853,306	12,984,882	3,380,381	324	3,029,723	9,398,458	124,791,642	24,058,424
76 to 99 per cent.....	290	1,840,380	6,385,109	47,652,656	10,889,362	909	3,011,193	17,433,012	161,067,000	32,895,110
100 per cent.....	8	1,147	9,581	822,526	102,784	78	401,890	1,062,193	20,379,200	4,033,090
Not reported.....	3	(1)	(1)	(1)	(1)	4	(1)	(1)	(1)	(1)
Subcontractors.....	241	279,967	1,158,740	18,757,931	4,657,370	1,280	1,885,024	8,943,431	132,216,968	35,185,649
None.....	3	(1)	(1)	(1)	(1)	44	3,055	5,665	5,361,389	1,316,568
1 to 25 per cent.....	2	1,065	23,875	146,809	35,367	4	51,543	173,706	644,150	201,051
26 to 50 per cent.....	12	55,717	237,870	1,960,477	446,138	26	70,500	252,687	1,559,172	453,828
51 to 75 per cent.....	219	203,118	755,247	10,107,772	3,791,987	88	376,418	1,616,989	13,134,630	4,101,842
76 to 99 per cent.....	5	20,072	92,054	337,687	127,610	1,080	1,854,614	6,790,985	108,395,618	28,289,361
100 per cent.....	1	(1)	(1)	(1)	(1)	34	28,894	103,419	2,802,995	755,282
Not reported.....	1	(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	(1)

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

CONSTRUCTION—UNITED STATES SUMMARY

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

CLASSIFICATION OF ESTABLISHMENTS AND LENGTH OF WORKING WEEK	Establishments reporting	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY												Wages paid during year
		January	February	March	April	May	June	July	August	September	October	November	December	
UNITED STATES														
All classes of establishments.....	27,102	530,887	531,289	593,061	702,776	790,410	867,110	914,015	945,235	922,019	887,629	729,020	648,560	\$1,844,674,269
<i>Classification of establishments</i>														
Operative builders.....	458	4,526	4,708	6,049	7,450	8,010	8,401	8,514	8,450	7,820	6,726	5,013	4,943	12,131,284
General contractors.....	13,030	320,811	331,106	377,318	405,386	541,905	593,414	647,063	674,140	650,863	623,088	544,706	430,209	838,408,877
Building.....	8,920	187,240	190,118	215,908	254,621	270,202	297,079	313,701	319,201	305,412	293,218	208,701	230,070	460,212,043
Building not specialized.....	6,348	161,184	163,502	185,144	217,603	237,628	253,232	267,874	271,017	269,930	250,404	220,118	100,832	380,250,472
Commercial building only.....	441	6,242	6,633	7,808	9,238	11,190	12,564	13,620	15,048	14,006	12,464	11,253	9,602	21,195,180
Manufacturing building only.....	62	5,002	5,544	6,046	6,408	7,050	6,600	7,367	8,146	8,425	8,906	8,708	7,518	11,735,888
Residential building only.....	2,069	14,221	14,439	17,000	21,312	23,334	25,193	25,030	24,001	23,042	21,444	10,622	10,218	38,021,407
Highway.....	1,335	28,413	27,180	32,391	52,115	76,005	94,577	108,285	115,666	111,060	101,700	73,905	44,204	93,220,068
Bridge and culvert.....	421	16,137	16,060	16,632	18,267	21,008	24,534	20,120	27,954	26,753	25,498	23,140	18,684	33,497,180
Grading.....	337	4,935	5,125	6,160	9,492	11,911	13,215	14,002	14,631	13,833	12,023	10,487	6,822	14,007,604
Street paving.....	895	17,048	17,095	20,702	31,450	42,480	40,945	55,910	59,280	57,401	53,464	40,648	24,882	57,280,877
Sewer, gas, water, conduit.....	435	12,328	12,480	13,470	17,070	20,313	22,061	20,467	20,462	20,925	20,404	24,183	20,421	32,858,250
Dam and reservoir.....	77	3,345	3,044	3,084	4,085	4,101	4,025	5,183	5,756	5,955	5,509	4,705	3,129	6,084,747
Waterworks.....	99	4,761	4,145	5,035	5,664	6,083	7,254	7,441	7,878	7,680	7,520	7,332	6,627	11,303,485
Dredging, river, harbor, etc.....	173	11,744	10,932	13,860	15,500	17,543	10,794	20,560	22,029	22,293	22,991	22,309	18,002	25,134,758
Locks.....	30	849	790	788	711	949	953	1,222	1,310	1,323	1,419	1,302	1,292	1,200,878
Railroad.....	120	11,347	12,417	14,920	19,842	23,638	26,019	23,408	30,406	29,152	27,821	24,447	10,481	33,101,646
Foundation.....	48	1,110	1,181	1,126	1,090	1,349	1,807	1,435	1,350	1,363	1,308	1,194	980	2,226,560
Central station, light and power plant.....	74	15,076	14,105	15,609	16,849	10,000	19,840	22,462	24,039	25,043	24,257	23,300	20,844	35,124,844
Air transport work.....	6	218	212	271	407	504	667	609	789	755	752	547	320	339,003
Refuse disposal plant.....	7	153	92	110	102	161	115	139	118	75	580	647	849	627,388
Oil and natural gas pipe line.....	18	5,591	5,665	6,737	6,050	5,020	3,500	3,205	4,320	3,899	5,709	5,209	2,700	7,388,073
Subway (other than buildings).....	23	8,023	9,024	9,175	9,091	10,058	9,713	10,399	10,760	10,803	11,361	11,485	10,416	21,597,032
Vehicular subway and tunnel.....	2													
Telephone line and system.....	8													
Radio tower, etc.....	1	804	881	920	1,044	1,101	1,216	1,215	1,232	1,108	1,216	1,122	1,004	1,826,345
Miscellaneous, n. e. s.....	1													
Subcontractors.....	13,008	100,550	195,325	210,204	220,940	240,486	250,205	258,438	262,630	263,330	267,816	238,311	213,318	404,134,308
Carpentering and wood flooring.....	330	3,425	3,544	4,100	4,821	4,770	4,016	5,230	5,175	5,145	4,705	4,310	3,686	10,195,228
Concreting.....	440	8,544	8,982	10,325	12,271	13,551	14,388	16,038	14,037	14,024	13,385	13,385	10,813	22,575,089
Electrical.....	1,748	22,242	21,621	22,761	23,045	24,500	26,221	25,540	25,605	25,773	25,601	24,282	22,869	56,836,716
Elevator construction.....	110	4,631	4,927	4,733	4,654	4,624	4,734	4,953	5,235	5,413	5,403	5,218	5,106	12,870,703
Heating and plumbing.....	5,043	60,998	58,456	50,320	62,462	68,807	66,264	68,705	71,191	73,317	74,374	70,523	64,633	136,567,431
Heating and piping.....	1,320	10,741	19,087	18,762	18,092	19,431	20,472	22,009	23,313	25,107	26,477	25,061	22,647	46,703,668
Pipe covering.....	57	1,607	1,544	1,550	1,560	1,065	1,632	1,854	1,958	1,933	2,024	2,023	2,020	4,124,258
Plumbing.....	2,510	20,790	25,748	26,508	28,018	29,494	30,348	30,525	31,044	30,900	30,251	28,297	26,480	59,742,710
Plumbing and heating combined.....	1,084	10,080	9,412	9,417	10,017	10,375	10,945	11,209	11,547	12,017	12,310	11,834	10,887	20,564,136
Automatic temperature control.....	22	393	376	360	348	348	344	362	421	441	444	445	414	1,073,316
Automatic sprinkler systems.....	50	2,375	2,289	2,343	2,618	2,534	2,523	2,746	2,898	2,910	2,850	2,668	2,470	5,358,843
Masonry.....	612	11,480	11,070	13,702	15,261	17,072	17,120	16,647	15,046	15,352	15,100	14,312	12,412	29,230,150
Painting and decorating.....	1,008	12,136	12,428	15,241	18,020	20,080	19,921	19,729	21,147	21,814	20,847	17,613	14,002	40,670,349
Glass and glazing.....	131	1,120	1,137	1,170	1,185	1,200	1,235	1,250	1,314	1,295	1,295	1,271	1,182	2,060,019
Plastering and lathing.....	570	11,887	12,681	14,207	10,142	16,008	17,573	19,062	18,712	17,072	15,240	13,062	11,681	38,444,282
Roofing and sheet-metal work.....	1,519	15,171	15,070	16,537	18,404	19,411	20,502	21,208	21,448	21,680	22,402	20,927	18,330	33,911,510
Roofing.....	792	6,678	6,863	8,079	9,252	10,139	10,447	10,708	11,009	11,165	11,282	10,400	8,745	15,501,958
Sheet-metal work.....	477	5,100	5,166	5,321	5,580	5,012	6,132	6,304	6,414	6,428	6,578	6,481	6,020	11,591,045
Roofing and sheet metal combined.....	250	3,204	3,041	3,137	3,772	3,860	3,923	4,046	4,025	4,087	4,184	4,037	3,505	6,817,013
Steel erection.....	262	9,553	9,413	10,105	10,332	10,679	11,525	12,019	11,756	11,660	11,409	10,447	9,312	22,844,614
Stonework.....	150	3,190	3,051	3,480	3,880	3,917	4,085	4,107	4,320	4,254	3,928	3,905	3,585	8,002,436
Marble and tiling.....	777	12,374	12,110	13,045	13,591	13,708	14,386	15,204	15,659	10,153	14,721	13,677	12,902	31,548,109
Wrecking.....	34	645	616	726	707	937	927	947	961	1,364	973	768	521	1,492,699
Excavating.....	263	5,050	5,337	6,093	7,184	7,807	8,312	9,169	9,567	8,882	8,704	7,701	6,574	13,098,769
Ornamental iron.....	193	2,473	2,430	2,420	2,470	2,305	2,300	2,437	2,540	2,470	2,560	2,492	2,434	5,321,129
Highway.....	23	249	174	233	380	617	755	860	806	753	805	623	411	727,323
Bridge and culvert.....	14	204	255	376	366	441	652	420	560	532	600	383	280	534,239
Grading.....	57	708	608	890	1,153	1,543	1,661	1,746	1,937	2,112	1,864	1,622	1,104	1,982,108
Street paving.....	17	140	162	232	1,638	706	750	693	666	683	693	489	223	944,425
Sewer, gas, water, conduit.....	12	1,110	1,178	1,174	1,193	1,227	1,240	1,182	1,183	1,104	1,106	1,026	1,033	2,033,742
Dam and reservoir.....	1													
Waterworks.....	2	51	30	27	28	115	77	55	70	54	58	20	26	54,599
Dredging, river, harbor, etc.....	13	370	272	317	318	315	321	335	379	445	360	368	352	663,002
Soundproofing.....	22	420	507	521	489	546	544	476	455	437	470	530	490	1,125,816
Railroad.....	3	206	212	207	166	156	182	317	418	426	390	290	206	204,270
Foundation.....	22	3,259	2,818	2,532	2,181	2,296	3,670	3,780	3,360	3,390	3,055	3,315	3,294	6,887,065
Power plant.....	4	135	88	98	174	182	163	141	127	115	138	123	109	233,382
Metal work, n. e. s.....	122	3,490	4,140	4,413	4,004	4,563	4,842	4,855	4,985	4,715	4,612	4,321	3,828	9,349,345
Pipe line.....	1													
Rental of equipment, trucking, etc.....	14	256	351	655	700	771	839	818	1,014	791	815	516	420	955,575
Flooring, n. e. s.....	71													
Miscellaneous, n. e. s.....	2	1,012	1,046	1,161	1,216</									

CONSTRUCTION—UNITED STATES SUMMARY

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	
UNITED STATES—Continued														
<i>Length of working week—Con.</i>														
General contractors—Continued.														
49½-hour, 5½-day week.....	222	3,738	3,780	4,381	5,470	6,012	6,578	6,799	6,918	6,401	6,792	5,854	4,607	\$8,430,487
55-hour, 5½-day week.....	423	11,324	11,633	13,142	17,542	20,509	22,317	22,775	23,207	22,663	20,561	16,879	13,989	19,885,775
All other 5½-day week.....	841	17,542	17,312	20,116	24,554	25,754	27,902	30,546	31,767	29,848	28,484	25,541	21,745	37,062,032
48-hour, 6-day week.....	1,800	55,294	54,977	61,819	70,202	88,642	98,128	106,813	112,220	112,375	108,629	95,768	78,682	138,130,205
54-hour, 6-day week.....	1,022	25,449	24,452	28,145	38,754	49,243	56,001	61,810	63,851	62,263	58,872	51,736	37,425	75,188,126
60-hour, 6-day week.....	1,630	49,877	50,244	57,813	81,751	106,704	124,755	139,100	149,350	141,098	132,477	103,302	70,492	131,984,392
All other 6-day week.....	489	10,949	10,602	12,592	16,300	21,596	25,057	27,690	28,322	27,394	25,604	20,036	15,542	28,628,245
All other not designated.....	234	9,378	9,949	11,681	12,896	12,061	13,452	14,021	15,737	15,522	15,406	13,565	11,184	19,031,053
Not reported.....	194	5,486	5,642	7,807	9,883	11,770	14,014	14,608	16,504	14,563	14,233	13,614	9,280	21,800,230
Subcontractors.....														
40-hour, 5-day week.....	13,008	195,550	195,325	210,294	220,940	240,488	250,295	258,438	262,630	203,330	257,816	238,311	213,318	494,134,308
45-hour, 5-day week.....	3,443	60,599	61,020	66,742	72,549	78,336	76,181	78,919	80,054	80,808	77,443	72,014	65,800	180,820,388
50-hour, 5-day week.....	28	294	282	371	418	409	406	428	400	400	459	345	312	907,880
All other 5-day week.....	11	146	114	129	140	172	175	174	181	184	201	201	109	216,085
44-hour, 5½-day week.....	6,773	93,740	91,690	96,582	104,187	108,589	112,233	115,502	110,713	117,513	116,602	100,466	98,850	219,201,080
49½-hour, 5½-day week.....	168	1,905	1,893	1,924	2,127	2,288	2,402	2,420	2,447	2,402	2,441	2,350	2,174	3,414,897
55-hour, 5½-day week.....	105	1,306	1,187	1,538	1,921	2,331	2,503	2,490	2,412	2,435	2,342	1,923	1,597	2,872,898
All other 5½-day week.....	634	9,482	9,181	9,853	10,735	11,210	11,293	11,874	11,812	11,407	11,332	10,446	9,304	18,118,838
48-hour, 6-day week.....	1,144	10,718	10,850	11,717	12,954	14,082	15,340	16,263	15,718	15,949	16,025	15,655	14,666	24,011,289
54-hour, 6-day week.....	397	5,868	6,113	6,799	7,705	9,116	9,663	9,799	10,246	10,436	10,440	9,296	7,683	14,093,047
60-hour, 6-day week.....	266	3,463	3,791	4,553	6,045	7,022	7,670	8,159	8,678	8,901	8,268	6,847	4,642	8,105,794
All other 6-day week.....	322	4,342	4,154	4,737	5,200	5,583	6,070	6,383	6,405	6,213	6,182	5,054	4,945	9,300,341
All other not designated.....	108	2,130	2,501	2,687	2,960	3,126	3,250	3,350	3,146	2,962	2,856	2,478	2,239	5,390,013
Not reported.....	150	1,064	1,030	1,725	1,873	2,117	2,061	2,078	2,050	2,080	2,016	1,903	1,767	3,002,214

NEW ENGLAND

All classes of establishments.....	2,536	46,228	44,835	46,599	57,304	67,415	73,798	80,890	85,312	84,372	82,191	76,322	63,351	\$123,413,121
<i>Classification of establishments</i>														
Operative builders.....	47	208	220	253	311	421	459	452	427	398	328	284	198	717,243
General contractors.....	1,173	30,801	29,398	31,038	40,163	49,318	54,843	60,980	65,227	69,692	61,525	56,859	45,614	86,126,716
Building.....	924	21,181	20,539	20,902	25,165	28,895	31,672	34,237	35,297	33,777	33,797	32,627	27,930	51,710,652
Building not specialized.....	650	18,856	18,242	18,248	21,917	25,246	27,805	30,243	31,426	29,987	30,152	28,136	25,039	45,316,298
Commercial building only.....	35	476	424	581	696	695	661	788	741	750	743	671	555	1,206,509
Manufacturing building only.....	5	53	62	160	221	237	198	158	147	163	233	257	229	372,710
Residential building only.....	234	1,790	1,811	1,913	2,361	2,717	3,018	3,048	2,983	2,877	2,699	2,563	2,107	4,815,045
Highway.....	84	1,403	1,235	1,481	3,992	6,553	7,978	9,349	9,522	8,932	8,559	6,574	3,684	9,360,100
Bridge and culvert.....	28	488	453	482	668	797	977	1,074	1,109	1,171	1,032	894	778	1,410,764
Grading.....	31	494	460	557	820	1,000	1,221	1,324	1,301	1,330	1,240	956	603	1,551,150
Street paving.....	32	230	267	321	848	1,330	1,575	1,847	1,934	1,829	1,681	1,201	626	1,090,468
Sewer, gas, water, conduit.....	21	411	422	418	605	813	951	1,050	1,122	1,160	1,038	856	674	1,253,547
Dam and reservoir.....	7	470	415	344	420	453	501	700	1,047	1,274	1,149	1,218	133	1,301,671
Waterworks.....	6	33	29	25	30	39	70	76	111	112	125	131	131	1,480,023
Dredging, river, harbor, etc.....	15	720	539	625	716	754	804	813	893	849	817	749	644	1,322,148
Railroad.....	2													
Foundation.....	10	387	313	457	730	816	816	904	890	883	946	868	589	1,249,722
Central station, light and power plant.....	10	4,935	4,688	5,400	6,077	7,668	8,154	9,319	11,908	12,281	10,977	10,560	9,263	14,710,863
Air transport work.....	1	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Telephone line and system.....	2	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Subcontractors.....	1,315	15,219	15,008	15,308	16,830	17,676	18,497	18,958	19,658	20,312	20,338	19,170	17,539	36,509,162
Carpentering and wood flooring.....	16	152	145	168	161	183	201	214	193	179	161	174	157	337,618
Concreting.....	32	352	340	338	533	759	759	794	923	972	930	758	628	1,107,050
Electrical.....	193	2,101	2,062	2,080	2,047	2,124	2,177	2,234	2,274	2,347	2,359	2,363	2,349	4,793,036
Elevator construction.....	10	279	292	258	251	252	272	302	299	323	316	303	323	687,283
Heating and plumbing.....	574	5,699	5,472	5,215	5,375	5,524	5,814	6,175	6,588	6,954	7,130	6,977	6,530	11,040,457
Heating and piping.....	174	2,009	1,890	1,792	1,842	1,870	2,082	2,296	2,406	2,723	2,858	2,808	2,519	4,515,991
Pipe covering.....	2													
Plumbing.....	242	2,098	2,003	1,917	2,017	2,125	2,174	2,288	2,372	2,425	2,414	2,340	2,200	4,305,026
Plumbing and heating combined.....	150	1,376	1,375	1,301	1,318	1,347	1,387	1,400	1,506	1,611	1,681	1,640	1,506	2,001,754
Automatic temperature control.....	1													
Automatic sprinkler systems.....	5	216	204	205	198	182	171	191	214	195	177	189	215	436,686
Masonry.....	51	433	421	492	675	667	747	733	705	646	700	603	532	1,115,704
Painting and decorating.....	122	1,410	1,394	1,719	2,127	2,328	2,455	2,388	2,479	2,684	2,628	2,249	1,774	4,650,233
Glass and glazing.....	11	80	79	73	76	85	82	89	83	87	80	91	97	168,353
Plastering and lathing.....	39	567	554	660	928	841	805	800	805	792	857	690	574	1,787,733
Roofing and sheet-metal work.....	134	1,214	1,270	1,864	1,490	1,670	1,727	1,722	1,768	1,856	1,818	1,801	1,637	2,885,242
Roofing.....	68	453	503	697	709	803	843	806	833	855	843	807	655	1,103,537
Sheet-metal work.....	40	477	478	460	445	469	487	512	533	588	584	593	577	1,038,404
Roofing and sheet metal combined.....	26	284	289	298	330	398	397	404	402	413	391	401	375	743,301
Steel erection.....	18	442	442	457	455	541	579	642	533	547	571	593	525	1,102,044
Stonework.....	8	293	309	224	304	282	310	326	334	310	307	283	276	680,777
Marble and tiling.....	45	795	808	779	732	764	787	728	844	859	809	781	754	1,930,272
Wrecking.....	7	179	133	208	208	194	215	237	277	251	258	210	178	392,293
Excavating.....	10	183	174	183	290	343	361	356	370	335	362	279	206	518,016
Ornamental iron.....	10	209	204	199	207	207	233	243	238	234	233	221	205	430,800
Grading.....	6	44	74	79	83	82	88	72	73	76	61	46	32	129,190

See footnotes at end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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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	
NEW ENGLAND—Continued														
<i>Classification of establishments—Continued</i>														
Subcontractors—Continued.														
Street paving.....	1	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)
Sewer, gas, water, conduit.....	2	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)
Dredging, river, harbor, etc.....	3	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)
Foundation.....	3	15	28	44	64	50	56	60	50	52	33	28	14	\$104,808
Metal work, n. e. s.....	5	92	86	85	91	98	101	113	117	103	110	112	107	150,583
Flooring, n. e. s.....	2	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)
Length of working week³														
General contractors	1,220	31,000	29,027	31,201	40,474	49,730	55,302	61,432	65,054	64,060	61,853	57,143	45,812	86,843,959
40-hour, 5-day week.....	122	1,563	1,500	1,645	1,082	2,236	2,416	2,672	2,533	2,338	2,108	1,967	1,470	4,267,691
50-hour, 5-day week.....	2	53	51	46	45	60	55	55	57	74	55	55	50	103,765
All other 5-day week.....	6	34	33	30	30	56	107	117	100	123	101	70	48	160,932
44-hour, 5½-day week.....	600	14,102	13,587	13,789	16,536	10,244	21,404	23,320	24,243	23,330	23,111	22,480	10,780	37,301,183
49½-hour, 5½-day week.....	2	10	5	9	10	36	35	35	30	32	24	12	10	31,751
55-hour, 5½-day week.....	2	14	14	9	9	29	16	18	35	24	33	20	13	30,301
All other 5½-day week.....	66	2,094	2,947	3,082	3,814	3,916	4,032	4,408	4,479	3,935	4,280	3,741	3,070	5,071,463
48-hour, 6-day week.....	131	4,790	4,431	5,154	7,042	8,557	9,469	10,754	12,762	13,284	12,488	11,360	9,548	15,401,979
54-hour, 6-day week.....	130	3,971	3,915	4,170	5,027	6,232	6,959	10,655	11,354	11,047	10,141	9,508	6,487	12,198,962
60-hour, 6-day week.....	38	2,284	2,106	2,104	3,785	5,509	6,259	7,180	7,691	7,306	7,014	6,680	3,632	8,650,525
All other 6-day week.....	20	960	943	950	1,289	1,542	1,819	1,951	2,110	2,125	2,106	1,917	1,465	3,145,119
All other not designated.....	7	192	142	188	223	247	234	237	253	271	258	275	278	383,456
Not reported.....	10	27	44	46	76	95	97	116	108	111	125	67	46	101,562
Subcontractors	1,315	15,210	15,008	15,308	16,830	17,676	18,497	18,958	10,658	20,312	20,338	19,170	17,530	35,599,162
40-hour, 5-day week.....	305	4,035	3,836	3,919	4,366	4,430	4,633	4,805	5,182	5,473	5,029	5,284	4,773	10,645,682
45-hour, 5-day week.....	1	5	5	12	2	2	3	3	3	3	3	3	1	12,955
50-hour, 5-day week.....	2	25	25	32	35	40	45	46	46	46	41	37	27	44,600
All other 5-day week.....	7	139	140	121	142	175	200	235	240	201	244	173	173	372,328
44-hour, 5½-day week.....	731	7,621	7,535	7,685	8,250	8,665	9,027	9,219	9,560	9,916	9,910	9,450	8,720	17,041,679
49½-hour, 5½-day week.....	11	71	71	75	94	92	93	98	94	80	94	80	59	152,175
All other 5½-day week.....	65	1,006	1,021	1,011	1,120	1,147	1,236	1,288	1,291	1,240	1,241	1,192	1,075	2,060,422
48-hour, 6-day week.....	100	743	704	834	1,032	1,123	1,157	1,238	1,105	1,090	1,093	1,068	1,022	1,898,438
54-hour, 6-day week.....	42	317	308	348	456	575	610	694	614	680	633	618	492	1,825,913
60-hour, 6-day week.....	4	11	14	14	23	38	57	60	80	115	111	72	97	100,013
All other 6-day week.....	30	533	505	492	520	540	590	643	630	681	622	539	421	1,141,886
All other not designated.....	6	651	693	697	697	694	737	738	709	670	646	608	651	1,510,450
Not reported.....	11	62	60	68	70	102	91	94	98	98	96	81	82	167,573
MIDDLE ATLANTIC														
All classes of establishments.....	7,544	168,046	166,115	182,856	211,062	234,867	255,527	269,789	276,647	273,608	266,518	243,256	205,092	\$476,077,852
<i>Classification of establishments</i>														
Operative builders	153	1,133	1,180	1,353	1,737	1,996	1,788	1,693	1,561	1,472	1,441	1,280	1,097	2,775,740
General contractors	3,252	66,430	94,531	105,983	120,100	150,125	166,915	177,885	184,480	180,237	175,323	158,257	128,932	270,565,438
Building.....	2,373	56,931	60,109	62,852	72,118	78,366	84,840	89,210	91,150	88,708	86,823	81,419	69,820	155,669,566
Building not specialized.....	1,613	47,768	47,295	53,115	60,666	65,061	71,355	75,407	77,407	75,731	74,134	69,472	59,637	132,351,956
Commercial building only.....	134	1,399	1,468	1,618	2,023	2,205	2,268	2,413	2,424	2,131	2,201	2,101	1,971	4,711,109
Manufacturing building only.....	18	2,998	2,504	2,463	2,631	2,993	3,090	3,253	3,495	3,501	3,428	3,323	2,850	5,148,165
Residential building only.....	610	4,765	4,842	5,056	6,798	7,417	8,118	8,137	7,824	7,435	7,060	6,463	5,308	14,198,585
Highway.....	277	5,049	4,372	5,159	9,900	16,770	22,367	25,412	26,865	25,932	23,737	17,284	10,000	23,845,634
Bridge and culvert.....	59	3,225	3,182	3,683	3,767	4,839	5,655	5,490	6,224	5,804	5,812	5,882	4,535	9,656,850
Grading.....	45	746	769	923	1,427	1,584	1,727	1,740	1,895	1,695	1,627	1,457	908	2,370,340
Street paving.....	206	3,142	2,828	3,905	8,041	11,081	13,208	14,380	15,455	15,494	14,060	10,730	6,313	16,307,219
Sewer, gas, water, conduit.....	102	3,357	3,581	4,158	5,802	6,427	6,948	7,552	7,722	8,121	8,081	7,718	6,448	9,715,080
Dam and reservoir.....	8	255	240	238	460	491	573	614	574	574	443	443	249	849,427
Waterworks.....	35	2,984	2,459	3,697	3,157	3,702	3,023	4,074	4,240	4,220	4,306	4,300	4,177	7,515,168
Dredging, river, harbor, etc.....	52	3,616	3,313	3,891	4,587	5,166	5,767	6,069	6,110	6,097	6,319	6,208	6,271	9,485,993
Railroad.....	31	2,698	2,685	2,911	3,740	4,250	4,830	5,045	5,620	5,085	5,091	4,247	3,492	8,626,788
Foundation.....	12	600	700	483	324	390	415	405	416	420	510	515	427	804,360
Central station, light and power plant.....	17	5,023	4,395	4,671	4,940	5,406	5,381	6,077	5,657	5,593	5,514	5,117	4,517	10,000,744
Air transport work.....	2	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)
Refuse disposal plant.....	4	63	50	57	85	77	45	78	66	36	44	80	63	120,451
Oil and natural gas pipe line.....	1	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)
Subway (other than buildings).....	23	7,927	8,946	9,131	9,666	9,992	9,658	10,334	10,090	10,743	11,300	11,387	10,340	21,466,830
Telephone line and system.....	3	811	807	858	941	1,027	1,090	1,096	1,114	1,047	1,000	853	852	1,638,643
Radio tower, etc.....	1													
Miscellaneous, n. e. s.....	1													
Subcontractors	4,130	70,483	70,404	75,020	80,136	83,046	80,824	90,221	90,606	91,809	89,754	83,710	75,063	162,736,774
Carpentering and wood flooring.....	154	1,589	1,683	2,086	2,480	2,400	2,523	2,660	2,615	2,625	2,422	2,085	1,860	5,014,590
Concreting.....	131	3,699	3,947	4,721	4,817	5,142	5,429	5,742	5,517	5,430	5,783	5,831	5,177	10,447,993
Electrical.....	432	7,047	6,995	7,093	7,893	7,827	7,993	8,359	8,419	8,486	8,085	8,426	7,891	21,225,317
Elevator construction.....	44	2,109	2,084	2,148	2,105	2,103	2,154	2,240	2,447	2,534	2,524	2,377	2,283	6,573,799
Heating and plumbing.....	1,539	20,894	20,267	20,633	21,462	21,849	21,885	22,350	23,001	23,702	24,008	22,677	21,000	48,433,968
Heating and piping.....	881	6,297	6,161	6,193	6,288	6,119	6,124	6,543	6,846	7,383	7,043	7,100	6,550	14,577,012
Pipe covering.....	17	696	695	646	609	682	700	708	737	721	820	847	883	1,070,748
Plumbing.....	757	9,571	9,311	9,680	10,222	10,683	10,536	10,402	10,720	10,595	10,362	9,738	9,001	22,458,471
Plumbing and heating combined.....	367	3,371	3,177	3,135	3,337	3,471	3,600	3,635	3,689	3,819	3,971	3,806	3,518	6,044,602
Automatic temperature control.....	5	149	140	130	146	138	126	131	159	171	164	163	150	365,706
Automatic sprinkler systems.....	12	810	777	834	860	856	802	877	917	997	1,039	914	880	2,116,850

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	
MIDDLE ATLANTIC—Continued														
<i>Classification of establishments—Continued</i>														
<i>Subcontractors—Continued.</i>														
Masonry.....	207	4,208	4,553	5,346	5,596	6,351	6,081	5,418	5,050	5,198	4,698	4,536	3,669	\$11,471,177
Painting and decorating.....	314	3,652	3,721	4,292	5,292	5,837	5,778	6,294	7,012	7,345	6,863	5,565	4,535	13,060,497
Glass and glazing.....	37	279	291	291	308	302	308	326	339	323	334	334	292	790,643
Plastering and lathing.....	133	3,692	4,140	4,834	5,783	5,609	6,577	7,388	6,014	6,035	5,182	4,376	3,619	15,140,475
Roofing and sheet-metal work.....	410	4,031	4,412	4,602	5,200	5,788	5,937	6,149	6,272	6,422	6,738	6,415	5,735	10,914,016
Roofing.....	185	1,785	1,735	1,914	2,274	2,628	2,701	2,847	2,926	3,086	3,304	3,100	2,666	4,620,599
Sheet-metal work.....	121	1,428	1,425	1,457	1,535	1,677	1,728	1,823	1,843	1,825	1,860	1,817	1,666	3,585,619
Roofing and sheet metal combined.....	104	1,418	1,252	1,231	1,301	1,483	1,608	1,479	1,503	1,511	1,584	1,492	1,373	2,708,698
Steel erection.....	112	4,095	4,526	4,720	4,704	4,889	5,178	5,191	5,030	5,172	5,159	4,744	4,196	11,164,185
Stonework.....	67	1,846	1,293	1,402	1,655	1,718	1,808	1,890	1,943	1,903	1,661	1,627	1,439	3,806,514
Marble and tiling.....	249	4,138	3,981	4,350	4,540	4,608	4,906	5,115	5,190	5,730	4,866	4,339	4,075	12,388,760
Wrecking and tiling.....	11	198	114	144	123	276	327	374	335	314	203	220	124	552,903
Excavating.....	81	2,303	2,242	2,398	2,504	2,513	2,661	3,164	3,107	3,140	3,251	2,973	3,117	6,082,986
Ornamental iron.....	107	1,169	1,188	1,155	1,191	1,050	1,026	1,162	1,237	1,194	1,225	1,193	1,153	2,692,644
Highway.....	8	157	109	162	169	204	234	307	341	327	333	330	219	398,023
Bridge and culvert.....	1	2	2	2	2	2	2	2	2	2	2	2	2	681,210
Grading.....	13	201	163	209	264	409	600	473	575	744	457	400	396	393,023
Street paving.....	2	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)
Sewer, gas, water, conduit.....	5													
Dam and reservoir.....	1	76		73		112	103	134	151	151	158	102	92	192,301
Waterworks.....	1													
Dredging, river, harbor, etc.....	3	140	103	96	73	100	108	88	108	109	48	95	133	289,732
Soundproofing.....	1	172	202	194	190	213	240	188	175	154	169	251	246	477,799
Foundation.....	11	2,909	2,458	2,095	1,774	1,780	3,076	3,215	2,750	2,790	2,553	2,674	2,642	5,890,898
Metal work, n. e. s.....	36	1,288	1,368	1,410	1,347	1,421	1,403	1,320	1,246	1,323	1,718	1,625	1,506	3,115,459
Rental of equipment, trucking, etc.....	2	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)
Flooring, n. e. s.....	29	453	454	510	492	480	526	613	675	657	639	471	457	1,240,770
Miscellaneous, n. e. s.....	1	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)
<i>Length of working week</i>														
General contractors ¹	3,405	97,563	95,711	107,336	130,927	151,821	168,703	179,568	186,041	181,709	176,784	159,546	130,020	282,341,178
40-hour, 5-day week.....	992	32,112	31,268	34,263	38,412	40,529	42,185	43,901	44,328	43,932	43,376	39,872	34,355	91,747,472
45-hour, 5-day week.....	4	27	30	44	60	63	72	103	138	123	70	80	42	115,420
50-hour, 5-day week.....	7	118	126	167	227	266	207	280	200	342	332	294	308	406,306
All other 5-day week.....	13	151	160	154	150	253	277	344	233	240	211	176	110	419,152
44-hour, 5½-day week.....	1,106	21,793	21,602	23,924	27,263	29,915	32,986	35,598	36,368	35,256	34,325	32,877	29,394	55,549,498
49½-hour, 5½-day week.....	35	536	523	648	847	1,000	1,040	1,164	1,056	993	1,012	886	711	1,281,347
55-hour, 5½-day week.....	33	1,647	1,575	1,623	2,518	2,903	3,407	3,581	3,901	3,603	3,483	2,685	2,197	3,836,313
All other 5½-day week.....	106	2,544	2,610	2,817	3,443	3,858	4,232	4,551	4,581	4,326	4,116	4,084	3,604	5,636,749
48-hour, 6-day week.....	205	14,648	16,016	16,924	20,381	23,078	24,465	25,435	26,124	26,089	24,788	23,205	19,254	41,788,064
54-hour, 6-day week.....	200	6,834	9,054	6,672	10,433	13,338	15,399	17,093	17,395	18,223	17,813	16,246	12,311	22,387,349
60-hour, 6-day week.....	287	10,020	9,650	10,884	15,888	22,693	27,814	30,928	33,607	31,894	30,613	23,271	16,203	32,640,436
All other 6-day week.....	37	2,185	2,019	2,372	3,067	3,797	4,623	5,248	5,232	5,103	4,935	4,138	3,195	5,695,918
All other not designated.....	44	1,774	1,886	1,809	2,023	2,361	2,602	2,593	2,806	2,688	2,482	2,257	2,093	4,923,938
Not reported.....	56	3,174	3,270	5,085	6,206	7,777	9,238	8,740	10,132	8,888	9,228	9,505	6,253	15,924,191
Subcontractors.....	4,130	70,483	70,404	75,020	80,135	83,046	86,824	90,221	90,606	91,899	89,764	83,710	75,963	192,736,774
40-hour, 5-day week.....	1,741	35,719	36,512	39,716	42,551	42,716	43,796	45,980	46,675	46,808	45,249	42,208	38,650	111,778,273
45-hour, 5-day week.....	17	167	161	198	226	217	234	223	196	203	211	153	189	578,514
50-hour, 5-day week.....	4	75	51	58	68	75	78	74	77	84	93	94	81	112,265
All other 5-day week.....	40	450	450	488	519	548	581	653	657	622	509	540	496	1,452,785
44-hour, 5½-day week.....	1,625	25,294	24,859	26,388	29,249	27,461	28,499	29,929	29,792	30,819	30,540	28,646	26,320	58,709,075
49½-hour, 5½-day week.....	34	448	432	451	521	547	576	579	561	557	519	517	507	835,870
55-hour, 5½-day week.....	26	332	255	272	395	472	599	640	591	583	538	450	353	652,316
All other 5½-day week.....	175	2,358	2,165	2,272	2,597	3,040	2,975	2,938	2,988	2,855	2,867	2,711	2,272	4,064,292
48-hour, 6-day week.....	191	1,555	1,536	1,645	1,926	2,145	2,382	2,358	2,450	2,525	2,681	2,424	2,022	3,972,147
54-hour, 6-day week.....	79	854	883	1,118	1,352	1,742	1,828	1,757	1,862	2,077	1,776	1,689	1,360	2,775,817
60-hour, 6-day week.....	43	909	984	1,133	1,276	1,432	1,682	2,022	2,144	2,055	2,004	1,732	1,377	1,787,151
All other 6-day week.....	84	1,260	1,137	1,281	1,399	1,421	1,384	1,875	1,375	1,440	1,404	1,349	1,238	2,912,801
All other not designated.....	29	299	262	299	276	316	369	344	391	374	306	382	328	649,463
Not reported.....	51	763	728	761	793	914	844	849	838	897	889	815	816	1,855,990
EAST NORTH CENTRAL														
All classes of establishments.....	7,218	124,118	124,958	140,869	172,544	197,593	214,980	227,075	235,180	229,915	219,736	189,257	146,126	\$361,817,560
<i>Classification of establishments</i>														
Operative builders.....	92	793	852	988	1,179	1,423	1,589	1,579	1,608	1,325	1,128	858	642	2,277,722
General contractors.....	3,289	67,502	69,407	80,378	104,426	125,643	140,330	151,515	158,321	163,387	145,006	121,823	88,660	203,610,961
Building.....	47,287	49,187	49,187	57,596	68,071	75,089	76,966	80,084	82,682	78,243	73,983	67,996	55,935	124,800,472
Building not specialized.....	1,494	40,513	41,940	48,875	57,459	62,765	63,590	66,193	67,600	63,966	60,770	55,555	45,782	101,115,902
Commercial building only.....	84	1,925	2,184	2,698	2,994	3,961	4,959	5,100	6,847	5,516	4,507	4,391	3,797	9,501,459
Manufacturing building only.....	20	1,417	1,704	1,912	2,151	2,249	1,928	2,514	2,829	3,140	3,686	3,481	2,830	4,165,847
Residential building only.....	559	3,432	3,329	4,111	5,467	6,124	6,480	6,187	5,906	5,621	5,020	4,569	3,556	9,517,284
Highway.....	354	2,375	2,341	3,186	7,930	13,887	19,243	22,479	24,403	23,602	20,459	12,140	4,637	18,865,452
Bridge and culvert.....	104	2,453	2,982	2,617	2,681	3,405	4,177	4,380	4,362	4,462	4,088	3,502	2,622	6,148,021
Grading.....	52	244	207	425	918	1,217	1,369	1,532	1,689	1,503	1,257	789	388	1,399,427
Street paving.....	283	2,321	2,431	3,255	6,870	11,771	14,903	16,849	18,103	17,421	15,862	10,827	3,836	16,951,448
Sewer, gas, water, conduit.....	179	4,351	4,167	4,283	5,907	7,339	8,454	10,300	10,246	10,240	9,918	8,785	7,138	15,459,231
Dam and reservoir.....	14	102	80	117	231	275	297	362	356	400	339	327	260	40

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

CLASSIFICATION OF ESTABLISHMENTS AND LENGTH OF WORKING WEEK	Estab-lish-ments reporting	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY												Wages paid during year
		January	February	March	April	May	June	July	August	September	October	November	December	
EAST NORTH CENTRAL—Continued														
<i>Classification of establishments—Continued</i>														
General contractors—Continued.														
Railroad.....	40	2,185	2,374	2,480	3,850	4,450	5,343	5,907	5,029	6,173	6,375	5,972	5,021	\$6,543,601
Foundation.....	15	272	267	346	400	420	430	336	304	423	303	347	281	685,903
Central station, light and power plant.....	10	1,368	1,492	1,910	2,008	2,082	2,380	2,481	2,164	2,300	2,510	2,511	2,236	3,678,845
Air transport work.....	2	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Refuse disposal plant.....	2	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Oil and natural gas pipe line.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Vehicular subway and tunnel.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Subcontractors.....	3,837	55,823	54,094	59,503	66,930	70,527	73,061	73,981	75,361	75,203	73,002	66,576	59,834	145,928,873
Carpentering and wood flooring.....	103	1,020	985	1,152	1,304	1,404	1,365	1,487	1,471	1,372	1,153	1,126	1,034	2,643,174
Concreting.....	125	1,740	1,884	2,025	2,920	3,421	3,840	3,875	3,507	3,530	3,070	2,052	1,810	5,443,368
Electrical.....	486	6,755	6,352	6,640	7,209	7,627	7,789	7,310	7,201	7,212	7,014	6,438	5,925	17,128,247
Elevator construction.....	28	1,107	1,203	1,238	1,101	1,121	1,121	1,171	1,132	1,201	1,250	1,261	1,218	2,937,710
Heating and plumbing.....	1,418	18,535	17,183	17,127	18,108	18,043	10,726	20,520	21,646	22,546	23,220	21,535	10,114	43,176,500
Heating and piping.....	424	7,532	7,293	6,921	6,850	7,146	7,726	8,350	9,044	9,863	10,704	9,904	8,607	18,268,700
Pipe covering.....	10	367	333	373	381	374	361	426	436	447	449	412	410	1,038,556
Plumbing.....	674	6,040	6,103	6,813	7,003	7,227	7,470	7,450	7,671	7,500	7,427	6,835	6,144	15,697,530
Plumbing and heating combined.....	283	2,541	2,351	2,388	2,600	2,704	2,950	2,942	3,008	3,103	3,268	3,081	2,804	5,671,733
Automatic temperature control.....	6	189	129	124	110	121	124	130	143	155	162	160	150	417,978
Automatic sprinkler systems.....	15	1,110	1,059	1,008	1,152	1,071	1,087	1,207	1,344	1,328	1,210	1,143	900	2,092,033
Masonry.....	192	4,218	4,122	4,352	5,018	5,571	5,705	5,734	5,602	5,304	5,005	5,012	4,703	9,633,460
Painting and decorating.....	298	3,741	4,040	5,301	6,860	7,440	6,899	6,322	6,413	6,491	6,223	5,235	3,935	13,977,450
Glass and glazing.....	40	360	345	367	363	302	391	382	389	379	377	371	360	800,038
Plastering and lathing.....	108	4,479	4,482	4,930	5,844	5,402	5,018	5,995	5,992	5,411	4,909	3,999	3,575	12,901,039
Roofing and sheet-metal work.....	451	4,140	4,204	4,986	5,982	6,034	6,103	6,487	6,599	6,485	6,827	5,944	4,877	10,972,276
Roofing.....	235	1,535	1,761	2,400	2,708	3,029	3,119	3,262	3,327	3,241	3,692	2,737	2,128	5,092,459
Sheet-metal work.....	148	1,575	1,532	1,590	1,713	1,772	1,772	1,837	1,906	1,841	1,847	1,842	1,667	3,602,030
Roofing and sheet metal combined.....	63	980	911	984	1,171	1,233	1,214	1,348	1,336	1,388	1,388	1,365	1,082	2,367,137
Steel erection.....	63	2,580	2,253	2,562	2,665	2,973	3,226	3,422	3,290	3,140	3,077	2,802	2,457	5,873,554
Stonework.....	44	686	615	700	891	936	910	808	910	804	811	730	670	1,760,012
Marble and tiling.....	188	2,941	2,944	3,287	3,385	3,277	3,530	3,801	4,013	4,032	3,937	3,315	3,031	7,753,036
Wrecking.....	65	200	242	200	321	305	240	302	302	721	464	284	185	455,208
Excavating.....	65	679	710	637	1,426	1,502	1,035	1,035	1,500	1,414	1,228	1,093	662	2,045,861
Ornamental iron.....	4	12	11	16	46	25	77	66	44	44	44	43	44	1,072,861
Highway.....	4	42	40	143	130	130	225	311	103	89	88	103	16	80,001
Bridge and culvert.....	4	42	40	143	130	130	225	311	103	89	88	103	16	80,001
Grading.....	15	106	110	179	217	355	418	471	199	170	205	123	103	239,570
Street paving.....	8	47	41	37	431	475	485	414	551	550	550	550	166	480,870
Sewer, gas, water, conduit.....	3	86	69	120	140	147	145	71	78	91	107	108	88	135,338
Dredging, river, harbor, etc.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Soundproofing.....	10	228	266	260	236	233	264	243	243	243	274	267	207	550,457
Foundation.....	4	176	129	157	126	220	266	203	300	217	223	411	448	526,590
Power plant.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Metal work, n. e. s.....	30	904	1,347	1,340	1,340	1,345	1,604	1,000	1,644	1,704	1,370	1,264	1,069	3,153,041
Rental of equipment, trucking, etc.....	7	174	222	407	384	402	420	380	483	344	417	214	202	675,736
Flooring, n. e. s.....	16	319	358	402	458	407	374	420	424	476	375	370	298	613,280
<i>Length of working week</i>														
General contractors.....	3,381	68,265	70,259	81,366	105,005	127,066	141,919	153,094	159,829	154,712	146,134	122,681	89,292	205,888,683
40-hour, 5-day week.....	106	3,663	4,229	5,076	6,034	7,065	7,024	7,137	7,132	6,643	6,614	6,330	5,180	12,699,547
45-hour, 5-day week.....	9	45	42	49	133	119	138	144	153	140	118	90	43	129,033
50-hour, 5-day week.....	8													

CONSTRUCTION—UNITED STATES SUMMARY

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

CLASSIFICATION OF ESTABLISHMENTS AND LENGTH OF WORKING WEEK	Estab-lish-ments reporting	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY												Wages paid during year
		January	February	March	April	May	June	July	August	September	October	November	December	
WEST NORTH CENTRAL														
All classes of establishments	2,253	34,866	36,067	45,797	60,077	71,373	80,968	87,843	92,078	88,847	83,703	68,787	49,600	\$98,018,048
<i>Classification of establishments</i>														
Operative builders	36	490	475	907	1,169	1,309	1,177	1,054	1,259	1,329	1,012	890	690	1,809,607
General contractors	1,274	23,865	25,034	33,168	45,677	56,505	65,047	70,938	74,473	71,374	67,105	53,868	37,233	71,013,765
Building	11,119	11,662	15,720	20,155	21,268	23,747	25,920	25,920	25,395	23,010	22,175	18,011	15,156	29,134,277
Building not specialized	574	9,804	10,331	13,912	17,826	18,595	20,294	22,446	21,878	19,637	19,124	16,194	13,469	25,458,973
Commercial building only	57	472	481	791	1,008	1,314	1,385	1,747	1,825	1,668	1,481	1,216	812	1,609,605
Manufacturing building only	3	177	172	145	180	152	138	209	254	271	229	165	111	179,000
Residential building only	103	576	678	872	1,161	1,207	1,480	1,518	1,438	1,534	1,341	1,036	704	1,795,799
Highway	106	1,861	1,805	2,865	6,429	10,861	13,513	14,859	16,233	15,908	13,822	8,806	4,109	11,593,858
Bridge and culvert	90	2,324	2,300	2,665	3,356	4,101	4,766	5,359	6,148	6,160	6,100	5,297	4,034	5,788,213
Grading	85	865	850	1,109	2,710	3,766	4,195	4,374	4,374	4,129	3,710	2,916	1,705	3,862,678
Street paving	98	480	510	900	1,744	2,927	3,002	4,479	4,872	4,085	4,568	2,707	1,015	3,200,861
Sewer, gas, water, conduit	20	644	700	769	943	1,215	1,443	1,841	1,726	1,641	1,737	1,816	1,420	1,476,333
Dam and reservoir	9	237	284	266	284	373	526	583	734	910	871	671	343	728,438
Waterworks	8	310	315	420	519	805	846	818	737	710	535	485	251	609,995
Dredging, river, harbor, etc.	9	790	816	1,099	1,577	1,861	2,399	2,838	3,594	3,399	3,530	3,038	2,499	1,936,741
Levee	6	146	151	129	173	163	159	201	300	315	278	248	194	320,006
Railroad	15	2,782	3,080	3,884	5,395	7,178	7,982	8,213	8,830	8,393	7,608	6,075	5,375	9,380,200
Foundation	2	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Central station, light and power plant	9	548	542	582	661	651	861	793	701	654	729	539	560	1,038,000
Refuse disposal plant	1	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Oil and natural gas pipe line	3	1,752	2,005	2,609	1,064	1,177	865	519	702	1,048	1,326	1,177	523	1,682,992
Telephone line and system	2	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Subcontractors	943	10,511	10,558	11,722	13,231	13,559	14,442	15,653	16,346	16,139	15,586	14,029	11,077	25,194,070
Carpentering and wood flooring	8	53	54	65	73	60	67	66	96	69	68	65	46	109,332
Concreting	43	1,016	860	949	1,353	1,360	1,504	1,588	1,727	1,704	1,553	1,329	1,010	2,042,412
Electrical	132	1,211	1,155	1,266	1,806	1,390	1,351	1,489	1,521	1,518	1,520	1,420	1,263	2,941,673
Elevator construction	7	236	248	252	253	231	217	231	246	235	240	237	255	506,551
Heating and plumbing	373	3,250	3,118	3,225	3,494	3,514	3,795	4,218	4,319	4,348	4,328	4,065	3,630	7,280,570
Heating and piping	89	731	679	659	704	773	853	1,027	1,076	1,126	1,162	1,123	1,013	1,811,787
Pipe covering	7	273	215	236	241	257	226	284	278	247	245	200	251	424,030
Plumbing	107	1,365	1,369	1,475	1,646	1,558	1,745	1,870	1,818	1,808	1,770	1,579	1,397	3,185,134
Plumbing and heating combined	106	795	763	772	810	843	870	932	1,022	1,054	1,051	990	896	1,626,658
Automatic temperature control	3													
Automatic sprinkler systems	1	81	92	83	93	78	87	105	125	113	100	83	73	241,701
Masonry	23	467	533	655	792	634	645	807	799	787	792	706	584	1,339,405
Painting and decorating	54	568	544	790	960	1,071	1,029	1,009	1,081	985	927	820	571	1,879,252
Glass and glazing	6	105	110	114	121	130	136	132	133	128	125	122	114	195,016
Plastering and lathing	28	339	305	577	602	498	553	514	494	504	561	493	301	1,049,058
Roofing and sheet-metal work	118	731	774	982	1,129	1,202	1,303	1,343	1,343	1,300	1,364	1,255	966	1,846,402
Roofing	74	380	418	506	690	732	787	819	829	797	784	715	500	1,012,610
Sheet-metal work	31	240	241	260	300	318	332	343	342	393	405	391	320	599,221
Roofing and sheet metal combined	13	111	115	126	139	152	184	186	172	170	165	140	146	284,571
Steel erection	9	215	268	292	330	243	245	365	405	408	365	280	237	620,200
Stonework	8	111	111	155	143	153	165	172	174	175	148	146	130	310,729
Marble and tiling	00	664	643	728	806	880	895	929	955	964	925	766	717	1,053,697
Excavating	25	469	533	585	693	814	1,086	1,103	1,113	1,085	965	843	534	1,050,059
Ornamental iron	7	91	95	87	94	92	96	108	113	111	129	107	104	280,861
Highway	2	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Bridge and culvert	3	85	75	101	132	186	206	180	167	163	127	119	109	180,710
Grading	10	42	53	52	129	150	183	288	335	353	374	270	225	270,955
Sewer, gas, water, conduit	1	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Railroad	3	206	212	207	166	156	182	317	418	423	399	290	206	294,270
Foundation	1	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Power plant	1	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Metal work, n. e. s.	18	322	319	353	391	405	443	490	525	490	498	447	385	767,766
Flooring, n. e. s.	3	25	21	20	40	47	51	47	30	25	34	26	36	62,080
<i>Length of working week¹</i>														
General contractors ¹	1,310	24,355	25,500	34,075	46,846	57,814	66,224	71,990	75,732	72,708	68,117	54,758	37,923	72,823,372
40-hour, 5-day week	79	2,741	2,984	4,169	4,684	4,260	4,860	5,614	5,964	5,559	5,237	5,204	4,938	8,303,062
50-hour, 5-day week	1	2	3	3	6	8	7	9	12	12	14	10	8	9,000
44-hour, 5½-day week	208	4,523	4,461	6,005	7,534	7,897	8,551	9,269	9,313	8,889	8,700	7,669	6,127	12,380,507
49½-hour, 5½-day week	8	162	158	228	234	253	274	323	390	398	390	269	210	3,304,411
55-hour, 5½-day week	4	250	313	207	245	425	587	793	678	570	580	698	585	492,800
All other 5½-day week	17	96	101	166	199	309	387	547	620	674	447	358	256	493,930
48-hour, 6-day week	240	3,914	4,269	6,018	7,686	9,047	10,287	10,761	11,637	11,236	11,002	8,900	6,452	10,897,818
54-hour, 6-day week	132	2,139	2,233	2,790	3,088	4,947	6,016	6,668	6,556	6,284	6,241	5,105	3,572	5,346,358
60-hour, 6-day week	440	7,286	7,538	10,067	17,834	25,187	29,196	32,048	33,943	32,588	29,570	22,181	12,932	27,638,327
All other 6-day week	67	613	671	794	1,511	2,726	3,113	3,321	3,437	3,623	3,130	1,942	1,081	3,064,153
All other not designated	28	2,456	2,073	3,414	2,527	2,214	2,261	1,914	2,236	1,996	2,055	1,917	1,397	2,906,100
Not reported	26	178	115	214	397	561	736	743	946	870	741	490	365	761,046
Subcontractors	943	10,511	10,558	11,722	13,231	13,559	14,442	15,653	16,346	16,139	15,586	14,029	11,077	25,194,070
40-hour, 5-day week	145	1,841	1,697	1,908	2,270	1,919	2,187	2,602	2,712	2,614	2,390	2,194	1,833	5,572,155

CONSTRUCTION—UNITED STATES SUMMARY

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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	
SOUTH ATLANTIC														
All classes of establishments.....	1,878	48,218	48,505	54,208	63,578	71,284	75,968	80,125	83,335	78,914	73,575	66,019	57,004	\$86,050,687
Classification of establishments														
Operative builders.....	60	1,460	1,565	1,902	2,250	2,362	2,528	2,743	2,766	2,526	2,175	1,987	1,814	3,300,067
General contractors.....	960	33,160	33,581	37,484	44,862	50,549	54,550	57,621	59,942	56,071	51,509	45,272	37,673	54,618,295
Building.....	605	16,164	16,463	18,557	22,244	24,311	26,042	27,098	27,448	26,562	23,787	20,079	18,274	29,221,587
Building not specialized.....	602	14,317	14,468	16,408	19,478	21,263	23,059	23,973	24,141	23,422	20,953	18,477	16,156	25,613,758
Commercial building only.....	31	440	490	423	568	589	511	692	808	1,012	772	633	403	827,856
Manufacturing building only.....	2	367	412	433	414	491	330	214	223	174	200	240	378	490,835
Residential building only.....	130	1,031	1,093	1,293	1,784	1,978	2,153	2,219	2,186	1,954	1,862	1,029	1,337	2,289,138
Highway.....	121	6,746	6,607	6,796	8,531	10,555	11,654	13,272	14,600	12,957	12,484	10,418	7,742	9,036,017
Bridge and culvert.....	38	2,868	2,644	2,704	3,222	3,492	3,006	3,849	3,768	3,666	3,330	2,889	2,622	3,309,619
Grading.....	25	843	890	904	994	1,137	1,277	1,318	1,337	1,157	1,090	1,001	805	1,011,233
Street paving.....	49	2,031	1,996	2,503	2,825	3,301	3,370	3,228	3,475	2,797	2,061	1,373	1,707	3,081,433
Sewer, gas, water, conduit.....	21	805	958	942	1,095	1,170	1,386	1,330	1,333	1,222	1,156	1,002	1,027	991,854
Dam and reservoir.....	3	108	171	253	408	487	533	593	605	562	592	614	564	415,904
Waterworks.....	7	230	221	267	307	424	367	501	470	357	295	285	265	300,012
Dredging, river, harbor, etc.....	17	1,724	1,715	1,902	1,955	1,967	2,133	2,113	2,211	2,182	2,141	2,045	1,981	2,320,288
Levee.....	1	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Railroad.....	17	1,201	1,537	2,283	2,704	3,088	3,462	3,701	4,053	3,907	3,473	3,155	2,375	4,318,104
Foundation.....	2	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Central station, light and power plant.....	3	170	243	204	441	507	493	402	582	583	394	250	138	820,066
Subcontractors.....	849	13,598	13,359	14,822	16,458	18,373	18,800	19,761	20,027	20,317	19,891	18,760	17,517	28,131,425
Carpentering and wood flooring.....	5	67	100	64	38	65	61	46	41	147	198	235	31	171,933
Concrete.....	26	502	700	881	1,079	1,201	1,148	1,088	1,117	1,142	1,083	1,032	921	1,300,018
Electrical.....	106	1,331	1,318	1,420	1,661	1,832	1,686	1,835	1,895	1,900	1,966	1,749	1,692	2,780,103
Elevator construction.....	10	267	267	279	273	346	371	430	462	403	390	373	304	760,544
Heating and plumbing.....	312	4,169	3,993	4,022	4,451	4,714	4,969	5,211	5,157	5,331	5,243	5,098	4,847	7,968,926
Heating and piping.....	96	1,524	1,522	1,464	1,668	1,956	2,016	2,044	2,069	2,077	2,077	2,130	1,978	3,223,542
Pipe covering.....	3	48	41	40	63	80	109	124	143	138	141	120	125	152,825
Plumbing.....	156	1,952	1,876	1,937	2,092	2,029	2,109	2,243	2,260	2,411	2,287	2,079	2,030	3,536,092
Plumbing and heating combined.....	54	507	481	493	503	509	500	570	627	635	665	603	645	906,678
Automatic temperature control.....	2	78	73	88	125	140	169	107	83	78	93	106	69	149,580
Automatic sprinkler systems.....	1													
Masonry.....	44	1,066	1,245	1,588	1,708	2,192	2,103	2,196	1,922	1,704	1,655	1,584	1,510	2,894,465
Painting and decorating.....	52	721	594	671	928	1,026	897	875	1,104	1,253	1,296	1,175	985	1,786,110
Glass and glazing.....	4	28	30	31	31	32	31	30	42	40	40	37	35	64,037
Plastering and lathing.....	30	561	502	473	575	792	1,077	1,067	1,136	1,156	944	949	947	1,529,310
Roofing and sheet-metal work.....	110	1,451	1,431	1,571	1,674	1,858	1,864	1,881	1,900	1,862	2,000	1,804	1,814	2,209,448
Roofing.....	68	890	872	956	1,010	1,153	1,130	1,170	1,192	1,141	1,240	1,189	1,113	1,266,100
Sheet-metal work.....	26	331	349	383	414	423	425	413	400	421	416	402	405	592,971
Roofing and sheet metal combined.....	10	230	210	232	244	282	299	289	308	300	344	323	296	367,282
Steel erection.....	12	448	392	468	561	373	433	416	452	346	377	358	304	791,078
Stonework.....	14	381	403	587	559	433	515	538	692	549	616	698	683	928,387
Marble and tiling.....	67	1,060	1,040	1,044	1,084	1,202	1,430	1,601	1,633	1,584	1,360	1,303	1,281	2,266,367
Excavating.....	22	540	534	742	893	1,200	1,072	1,230	1,870	1,501	1,418	1,304	1,082	1,037,967
Ornamental iron.....	7	68	65	59	63	63	60	61	65	64	73	69	62	1,091,135
Highway.....	5	74	55	70	132	287	358	370	334	290	307	195	160	161,340
Bridge and culvert.....	2													
Grading.....	3	96	86	116	132	131	149	110	81	32	59	23	35	92,201
Sewer, gas, water, conduit.....	1	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Dredging, river, harbor, etc.....	3	111	58	111	111	122	84	87	131	204	190	128	107	145,257
Soundproofing.....	1													
Foundation.....	1	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Metal work, n. e. s.....	7	106	201	284	215	211	196	254	285	323	273	205	265	634,231
Rental of equipment, trucking, etc.....	1	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Flooring, n. e. s.....	4	42	24	35	28	38	40	30	37	45	33	35	32	69,596
Length of working week														
General contractors.....	1,029	34,020	35,146	39,386	47,118	52,911	57,078	60,364	62,708	58,597	53,084	47,259	39,487	57,919,262
40-hour, 5-day week.....	44	1,616	1,440	1,652	1,692	2,003	2,070	2,321	2,396	2,367	1,925	2,013	2,250	2,831,742
45-hour, 5-day week.....	7	102	86	97	123	124	149	267	256	205	207	190	159	179,949
50-hour, 5-day week.....	3	96	105	51	103	138	122	153	132	124	138	109	126	88,446
All other 5-day week.....	3	5	5	5	15	21	42	58	106	94	145	109	137	89,950
44-hour, 5½-day week.....	294	6,451	6,463	7,182	8,188	8,527	9,300	10,071	10,089	9,960	9,369	8,558	6,892	11,746,293
49½-hour, 5½-day week.....	60	609	598	769	913	1,108	1,334	1,410	1,425	1,225	1,246	1,158	926	1,211,855
55-hour, 5½-day week.....	101	6,951	7,419	8,783	11,360	12,821	13,637	12,980	12,786	12,557	10,017	8,981	7,777	10,184,366
All other 5½-day week.....	109	2,303	2,338	2,681	3,197	3,400	3,685	4,086	4,324	3,846	3,723	3,384	2,866	4,291,014
48-hour, 6-day week.....	37	2,215	2,140	2,418	2,650	2,930	3,017	3,338	3,281	3,165	3,056	3,037	2,560	3,042,376
54-hour, 6-day week.....	64	1,406	1,393	1,508	1,644	2,194	2,195	2,174	2,437	2,438	2,197	2,015	1,600	2,466,654
60-hour, 6-day week.....	157	10,301	10,734	11,604	13,617	15,416	16,761	17,905	19,461	17,320	15,737	13,249	10,654	15,888,942
All other 6-day week.....	47	1,353	1,254	1,428	1,917	2,440	2,890	3,281	3,718	3,294	3,390	2,847	2,253	2,554,424
All other not designated.....	13	449	454	493	486	529	542	627	606	587	577	514	444	600,900
Not reported.....	10	643	717	825	913	1,170	1,334	1,703	1,691	1,415	1,057	906	877	1,842,261
Subcontractors.....	849	13,598	13,359	14,822	16,458	18,373	18,800	19,761	20,027	20,317	19,891	18,760	17,517	28,131,425
40-hour, 5-day week.....	164	3,142	3,003	3,323	3,598	3,975	4,298	4,613	4,944	5,041	4,726	4,060	4,044	8,445,677
45-hour, 5-day week.....	1	8	13	12	12	12	12	11	11	11	10	10	10	15,000
50-hour, 5-day week.....	2	14	14	16	20	22	22	22	22	22	22	22	22	22,239
All other 5-day week.....	4	100	103	128	138	142	150	144</						

CONSTRUCTION—UNITED STATES SUMMARY

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	
EAST SOUTH CENTRAL														
All classes of establishments	794	20,168	20,232	22,283	25,844	28,090	29,874	32,686	32,876	31,916	30,484	25,793	22,636	\$32,003,856
Classification of establishments														
Operative builders	8	50	50	98	120	119	130	109	102	85	73	72	33	134,589
General contractors	433	15,180	15,163	16,791	19,760	21,921	23,795	25,311	26,380	25,449	24,267	20,023	17,418	22,651,419
Building	270	8,125	6,368	7,174	8,377	9,203	9,665	10,492	10,179	10,060	9,399	7,467	6,847	10,152,098
Building not specialized	210	5,538	5,800	6,385	7,296	8,023	8,600	9,128	8,680	8,433	8,012	6,272	5,708	8,685,552
Commercial building only	12	225	243	328	431	487	360	578	716	862	730	657	642	678,475
Manufacturing building only	1													
Residential building only	47	362	325	461	650	693	787	786	803	765	654	538	497	738,971
Highway	62	3,032	3,028	3,563	4,463	5,089	5,849	6,685	7,259	6,869	6,326	4,890	3,698	4,448,316
Bridge and culvert	19	1,300	1,215	1,092	1,140	1,305	1,687	1,843	1,675	1,485	1,518	1,265	1,179	1,401,990
Grading	19	540	571	717	833	818	883	970	904	1,048	1,010	870	641	817,160
Street paving	38	918	945	1,075	1,508	1,603	1,774	2,237	2,307	2,126	2,015	1,565	1,407	1,654,872
Sewer, gas, water, conduit	12	283	307	409	418	530	695	754	918	911	843	796	671	704,671
Waterworks	1	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Levee	7	251	255	201	177	395	348	410	454	440	473	465	469	356,987
Railroad	3	454	446	520	728	755	674	693	757	904	775	470	454	496,600
Foundation	1	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Central station, light and power plant	1	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Subcontractors	353	4,922	5,019	5,344	5,964	6,050	5,949	6,266	6,304	6,382	6,144	5,038	5,185	9,217,847
Carpentering and wood flooring	3	34	37	38	38	40	28	39	39	43	47	45	38	60,483
Concreting	13	244	265	341	365	464	449	483	407	584	437	330	245	448,617
Electrical	53	558	539	494	511	561	572	509	620	613	616	602	504	939,359
Elevator construction	4	68	67	65	71	63	66	73	120	119	126	127	102	147,934
Heating and plumbing	124	1,323	1,269	1,399	1,426	1,480	1,537	1,525	1,597	1,639	1,553	1,410	1,354	2,097,186
Heating and piping	34	350	337	340	322	314	319	358	339	391	420	370	350	548,069
Plumbing and heating combined	66	697	688	707	814	877	948	903	926	982	879	811	772	1,186,566
Automatic sprinkler systems	23													
Masonry	1	276	244	243	200	289	270	264	279	266	254	229	226	361,022
Painting and decorating	18	228	269	385	481	492	478	581	616	517	434	325	324	765,187
Glass and glazing	14	111	148	198	288	295	269	232	212	220	211	191	173	359,507
Plastering and lathing	9	21	21	22	23	24	24	24	23	24	24	24	24	40,102
Roofing and sheet-metal work	12	260	290	333	398	408	334	468	405	428	337	216	254	571,178
Roofing	61	658	653	670	727	791	790	830	813	795	855	830	748	956,444
Sheet-metal work	36	388	387	411	448	493	489	520	502	505	528	514	438	529,331
Roofing and sheet metal combined	16	169	172	159	166	177	180	180	190	177	200	183	186	261,539
Steel erection	9	103	94	100	113	121	121	130	121	113	127	133	124	164,524
Stonework	9	480	404	428	490	480	581	571	612	555	468	420	391	1,007,024
Marble and tiling	5	52	37	52	59	74	85	86	84	56	53	45	37	80,640
Wrecking	19	646	681	746	872	597	437	426	469	544	681	790	738	1,327,797
Excavating	1	84	131	91	90	87	102	113	107	93	100	63	60	204,874
Ornamental iron	2	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Highway	1													
Bridge and culvert	1	73	105	84	81	103	94	105	119	106	89	59	39	65,060
Grading	2													
Foundation	1	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Metal work, n. e. s.	2	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Flooring, n. e. s.	1	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Miscellaneous, n. e. s.	1	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Length of working week														
General contractors ¹	441	15,230	15,213	16,839	19,830	22,040	23,925	26,420	26,482	25,534	24,340	20,095	17,451	22,786,098
40-hour, 5-day week	4	177	200	260	311	350	306	371	392	385	436	273	181	432,467
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	3	132	132	130	133	131	151	186	192	146	126	115	107	88,143
All other 5-day week	1	20	27	30	29	27	32	41	25	23	29	26	19	23,877
44-hour, 5½-day week	100	2,127	2,610	2,781	3,405	3,559	3,839	3,390	2,959	2,887	2,860	2,340	2,012	3,481,508
49½-hour, 5½-day week	17	398	448	499	573	568	655	661	658	692	769	480	670	634,445
55-hour, 5½-day week	45	1,203	1,097	1,117	1,320	1,628	1,819	2,291	2,440	2,493	2,187	1,734	1,534	1,859,153
All other 5½-day week	69	1,148	1,186	1,023	1,340	1,303	1,900	2,070	2,148	1,921	1,873	1,548	1,498	1,934,827
48-hour, 6-day week	10	304	335	293	430	520	472	673	725	765	729	464	436	680,243
54-hour, 6-day week	24	520	512	604	641	731	865	879	930	907	949	855	748	671,385
60-hour, 6-day week	122	7,889	7,639	8,181	9,466	10,600	11,631	13,224	13,512	12,721	12,132	10,078	8,734	10,652,668
All other 6-day week	23	766	551	930	1,078	1,448	1,538	1,825	1,558	1,719	1,275	891	981	1,395,092
All other not designated	16	413	327	301	412	429	306	461	646	592	550	427	496	635,007
Not reported	6	123	130	180	211	221	244	331	270	256	398	243	125	249,775
Subcontractors ¹	353	4,922	5,019	5,344	5,964	6,050	5,949	6,266	6,304	6,382	6,144	5,038	5,185	9,217,847
40-hour, 5-day week	58	833	847	897	1,071	1,101	1,011	1,165	1,229	1,147	1,047	912	903	1,704,814
All other 5-day week	3	24	23	20	20	19	18	19	21	23	22	20	18	35,772
44-hour, 5½-day week	157	2,240	2,244	2,431	2,744	2,642	2,582	2,512	2,559	2,681	2,731	2,581	2,404	4,486,128
49½-hour, 5½-day week	6	44	42	40	50	51	54	54	52	53	50	52	50	68,511
55-hour, 5½-day week	12	166	172	238	269	320	330	383	346	382	342	326	187	332,655
All other 5½-day week	32	388	414	455	443	517	516	571	576	534	477	431	383	698,813
48-hour, 6-day week	26	294	306	318	353	395	355	392	382	432	385	377	392	468,152
54-hour, 6-day week	18	158	171	156	175	167	187	179	182	190	177	170	161	342,998
60-hour, 6-day week	18	412	393	331	418	462	518	529	563	501	454	333	294	494,073
All other 6-day week	14	210	204	195	194	212	192	214	238	232	223	223	209	294,626
All other not designated	5	132	184	201	191	162	152	226	217	282	203	181	215	240,211
Not reported	4	22	19	22	28	32	34	31	29	27	34	32	29	51,094

See footnotes at end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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	
WEST SOUTH CENTRAL														
All classes of establishments.....	1,287	33,487	34,907	38,531	43,014	44,538	45,191	49,735	51,061	49,404	48,332	45,070	40,067	\$58,638,632
<i>Classification of establishments</i>														
Operative builders.....	17	130	151	148	178	170	164	195	160	168	141	108	100	305,330
General contractors.....	744	26,412	27,388	31,100	34,107	35,826	36,210	40,646	41,978	39,211	39,507	36,927	32,773	41,757,637
Building.....	502	11,526	12,104	13,003	14,266	15,672	16,412	17,582	17,702	16,620	15,016	14,288	13,010	10,486,054
Building not specialized.....	372	10,196	10,750	11,254	12,327	13,682	14,277	15,410	16,514	14,603	13,891	12,365	11,810	10,094,872
Commercial building only.....	20	471	450	405	420	437	532	588	632	616	649	608	649	653,002
Manufacturing building only.....	3	83	153	462	484	477	525	553	608	487	469	468	345	430,067
Residential building only.....	107	776	800	882	1,016	1,078	1,078	1,022	948	923	907	847	806	1,409,013
Highway.....	88	4,173	3,919	4,864	5,395	5,695	6,404	7,230	7,391	7,414	7,783	6,994	5,764	6,304,032
Bridges and culvert.....	25	799	859	965	1,120	1,121	1,151	1,242	1,428	1,457	1,400	1,000	1,348	1,454,277
Grading.....	6	111	159	174	183	210	208	207	212	217	231	211	225	258,460
Street paving.....	42	2,836	3,034	3,427	3,679	3,951	3,847	4,440	4,481	3,880	3,818	3,613	3,401	3,738,148
Sewer, gas, water, conduit.....	22	1,470	1,549	1,638	1,722	1,635	1,690	1,878	2,058	2,112	1,999	2,050	2,118	1,744,216
Dam and reservoir.....	7	254	218	204	381	350	350	460	613	410	372	349	357	398,435
Waterworks.....	10	326	340	419	444	495	546	471	647	519	517	496	440	666,021
Dredging, river, harbor, etc.....	13	974	989	1,117	1,081	1,118	1,084	1,162	1,170	1,152	1,157	1,240	1,170	1,265,517
Levee.....	9	356	297	329	208	186	198	336	399	379	400	366	360	250,472
Railroad.....	8	1,223	1,455	1,591	1,646	1,934	2,037	2,237	2,429	1,918	1,993	1,794	1,412	1,431,061
Central station, light and power plant.....	4	518	455	412	370	324	237	1,313	1,466	1,492	1,521	1,524	1,084	1,040,040
Oil and natural gas pipe line.....	8	1,836	1,948	2,043	3,010	3,130	2,007	2,099	2,382	1,032	2,430	2,512	378	3,733,058
Subcontractors.....	520	6,945	7,370	8,217	8,729	8,531	8,817	8,894	8,923	9,025	8,084	8,035	7,194	13,575,656
Carpentering and wood flooring.....	21	(¹)	(²)	(³)	(⁴)	(⁵)	(⁶)	(⁷)	(⁸)	(⁹)	(¹⁰)	(¹¹)	(¹²)	(¹³)
Concreting.....	87	262	292	354	443	433	408	488	427	442	474	380	328	408,877
Electrical.....	6	804	917	907	956	984	1,038	1,003	1,036	1,032	999	917	874	1,782,715
Elevator construction.....	5	210	221	221	223	224	233	225	246	251	239	234	221	379,170
Heating and plumbing.....	105	2,070	2,145	2,341	2,226	2,000	2,161	2,171	2,237	2,334	2,384	2,348	2,120	3,934,802
Heating and piping.....	17	174	232	260	238	250	213	189	201	291	346	344	289	467,657
Pipe covering.....	2													
Plumbing.....	139	1,514	1,531	1,716	1,613	1,492	1,516	1,524	1,492	1,521	1,533	1,608	1,390	2,653,930
Plumbing and heating combined.....	33	373	368	340	347	340	391	410	452	495	471	452	404	751,250
Automatic temperature control.....	1													
Automatic sprinkler systems.....	3	15	14	23	28	29	32	30	32	27	34	44	37	61,950
Masonry.....	6	30	48	54	83	107	116	112	82	124	85	83	93	147,401
Painting and decorating.....	30	240	298	339	381	352	390	345	334	390	372	310	273	652,020
Glass and glazing.....	2	(¹)	(²)	(³)	(⁴)	(⁵)	(⁶)	(⁷)	(⁸)	(⁹)	(¹⁰)	(¹¹)	(¹²)	(¹³)
Plastering and lathing.....	30	549	605	770	831	785	785	815	955	988	870	706	621	1,467,284
Roofing and sheet-metal work.....	68	797	840	847	954	990	1,022	1,030	904	1,004	975	888	785	1,152,009
Roofing.....	37	415	440	460	552	568	594	572	528	506	515	458	395	606,151
Sheet-metal work.....	22	271	282	273	274	288	304	320	312	318	356	337	280	399,112
Roofing and sheet metal combined.....	0	111	124	114	128	134	124	138	124	120	104	93	108	152,836
Steel erection.....	6	450	385	426	324	312	365	423	328	305	265	308	288	520,019
Stonework.....	8	212	160	150	148	130	144	142	141	132	167	187	201	235,140
Marble and tiling.....	39	539	488	524	576	628	657	704	683	667	704	704	687	1,071,276
Excavating.....	6	74	84	120	188	122	142	132	153	171	151	136	111	171,987
Ornamental iron.....	3	22	26	29	42	43	45	40	37	27	24	30	34	42,335
Grading.....	1	(¹)	(²)	(³)	(⁴)	(⁵)	(⁶)	(⁷)	(⁸)	(⁹)	(¹⁰)	(¹¹)	(¹²)	(¹³)
Street paving.....	1	(¹)	(²)	(³)	(⁴)	(⁵)	(⁶)	(⁷)	(⁸)	(⁹)	(¹⁰)	(¹¹)	(¹²)	(¹³)
Soundproofing.....	1	(¹)	(²)	(³)	(⁴)	(⁵)	(⁶)	(⁷)	(⁸)	(⁹)	(¹⁰)	(¹¹)	(¹²)	(¹³)
Foundation.....	1	(¹)	(²)	(³)	(⁴)	(⁵)	(⁶)	(⁷)	(⁸)	(⁹)	(¹⁰)	(¹¹)	(¹²)	(¹³)
Metal work, n. e. s.....	11													
Pipe line.....	1	420	650	794	1,005	884	823	757	650	508	440	443	310	1,215,327
Rental of equipment, trucking, etc.....	2	(¹)	(²)	(³)	(⁴)	(⁵)	(⁶)	(⁷)	(⁸)	(⁹)	(¹⁰)	(¹¹)	(¹²)	(¹³)
Flooring, n. e. s.....	1	(¹)	(²)	(³)	(⁴)	(⁵)	(⁶)	(⁷)	(⁸)	(⁹)	(¹⁰)	(¹¹)	(¹²)	(¹³)
<i>Length of working week</i>														
General contractors.....	761	26,542	27,537	31,314	34,285	36,005	36,374	40,841	42,188	39,370	39,048	37,035	32,873	42,062,076
40-hour, 5-day week.....	14	180	200	205	334	278	441	427	637	480	448	487	552	457,039
45-hour, 5-day week.....	5	290	330	220	256	204	369	320	374	337	272	240	218	417,867
50-hour, 5-day week.....	1	10	23	30	30	30	30	40	20	12	10	8	5	17,792
All other 5-day week.....	1													40,000
All other 5½-day week.....	340	8,348	8,684	9,488	10,216	10,954	10,877	11,871	11,815	11,109	10,976	10,003	9,799	14,014,747
44-hour, 5½-day week.....	7	151	174	138	107	175	213	236	193	176	206	128	118	181,746
49½-hour, 5½-day week.....	7	339	346	362	425	510	477	499	466	480	647	612	605	607,353
55-hour, 5½-day week.....	29	990	981	1,052	1,166	1,255	1,189	1,523	1,371	1,385	1,310	1,267	1,288,137	
All other 5½-day week.....	169	5,640	5,764	6,399	6,809	7,204	7,952	8,708	8,668	8,983	8,368	7,603	6,798	8,213,021
48-hour, 6-day week.....	44	2,100	2,142	2,965	2,965	2,935	2,798	3,448	3,448	2,968	3,164	3,420	2,880	3,593,454
54-hour, 6-day week.....	102	6,538	7,043	8,085	9,007	9,407	9,571	10,752	11,419	10,155	10,006	10,360	8,540	10,593,522
60-hour, 6-day week.....	18	371	374	405	443	517	477	702	728	672	551	481	444	621,240
All other 6-day week.....	14	826	825	1,470	1,625	1,528	1,218	1,489	1,718	1,677	1,850	1,548	1,080	1,472,234
All other not designated.....	14	609	745	838	792	869	692	921	1,069	952	855	801	630	724,224
Not reported.....	14													
Subcontractors.....	526	6,945	7,370	8,217	8,729	8,531	8,817	8,894	8,923	9,025	8,084	8,035	7,194	13,575,656
40-hour, 5-day week.....	52	803	856	1,021	1,021	1,004	1,038	1,109	1,219	1,232	1,173	1,064	904	2,002,320
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.....	308	4,189	4,176	4,410	4,556	4,566	4,694	4,715	4,679	4,846	4,774	4,775	4,204	7,017,442
49½-hour, 5½-day week.....	3	12	13	16	19	15	11	14	10	21	9			

CONSTRUCTION—UNITED STATES SUMMARY

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	
MOUNTAIN														
All classes of establishments.....	623	6,548	6,502	7,973	10,315	12,513	14,426	15,920	17,012	16,445	15,312	12,585	9,264	\$18,949,131
Classification of establishments														
Operative builders.....	6	10	11	24	24	36	43	43	35	33	32	28	27	44,012
General contractors.....	359	4,616	4,544	5,777	7,764	9,097	11,418	12,841	13,949	13,320	12,202	9,840	6,883	14,028,408
Building.....	282	2,335	2,377	2,758	3,493	4,257	4,803	5,222	5,375	5,014	4,508	3,999	3,430	6,105,942
Building not specialized.....	199	2,205	2,243	2,604	3,269	3,939	4,512	4,822	5,010	4,650	4,177	3,703	3,184	5,671,850
Commercial building only.....	9	59	67	62	96	189	193	245	213	228	179	84	69	215,708
Residential building only.....	24	71	67	92	133	120	161	145	163	138	162	117	177	218,384
Highway.....	49	600	676	938	1,448	1,936	2,205	2,541	2,637	2,675	2,153	1,520	985	2,603,454
Bridge and culvert.....	12	178	150	186	252	330	430	567	518	439	499	340	221	500,000
Grading.....	19	204	140	228	281	393	516	520	574	611	540	412	247	593,200
Street paving.....	21	523	425	606	787	935	1,082	1,068	1,108	1,319	1,036	601	332	1,353,920
Sewer, gas, water, conduit.....	8	81	60	60	122	106	125	177	233	235	200	279	56	142,270
Dam and reservoir.....	6	107	184	245	232	238	203	186	219	204	188	169	82	323,027
Waterworks.....	1						(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Dredging, river, harbor, etc.....	4	140	166	168	226	228	373	648	701	732	826	1,126	556	503,658
Railroad.....	3	333	309	522	562	1,239	1,445	1,663	1,765	1,572	1,365	837	685	1,500,400
Foundation.....	1	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Central station, light and power plant.....	2	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Oil and natural gas pipe line.....	1	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Subcontractors.....	258	1,922	1,947	2,172	2,527	2,780	2,965	3,036	3,031	3,092	3,078	2,711	2,354	4,876,651
Concreting.....	9	62	80	110	157	284	331	335	225	212	210	117	100	218,065
Electrical.....	41	316	292	299	330	307	335	347	364	345	333	333	308	687,653
Elevator construction.....	112	766	759	766	890	936	1,008	1,074	1,084	1,114	1,117	1,054	953	1,811,769
Heating and plumbing.....	23	159	172	191	203	208	225	250	258	251	261	215	193	452,034
Heating and piping.....	57	401	384	373	458	481	509	528	510	558	544	521	402	800,014
Plumbing.....	30													
Plumbing and heating combined.....	2	206	203	202	229	247	272	301	310	305	312	318	298	499,751
Automatic temperature control.....	15	103	113	122	151	192	249	181	188	212	201	167	115	320,066
Masonry.....	15	138	137	195	204	199	109	177	186	178	186	177	132	376,348
Painting and decorating.....	2	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Glass and glazing.....	12	70	56	80	98	100	110	127	147	184	154	135	132	263,616
Plastering and lathing.....	22	192	161	179	211	229	244	286	264	265	247	204	201	340,610
Roofing and sheet-metal work.....	11	118	96	102	125	142	154	141	165	172	162	114	121	191,117
Roofing.....	10													
Sheet-metal work.....	1	74	65	77	86	87	90	95	99	93	95	90	80	149,493
Roofing and sheet metal combined.....	6	20	21	39	49	30	47	52	64	92	76	30	35	78,327
Steel erection.....	11	114	110	113	128	128	129	140	149	148	134	121	120	209,413
Marble and tiling.....	4	63	138	168	189	205	199	198	206	186	238	191	131	387,903
Excavating.....	1	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Ornamental iron.....	1	27	29	43	53	42	43	61	60	71	60	37	20	59,737
Highway.....	1													
Bridge and culvert.....	1	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Street paving.....	2	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Metal work, n. e. s.....	1	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Rental of equipment, trucking, etc.....	1	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Length of working week¹														
General contractors ¹	365	4,626	4,555	5,801	7,788	9,733	11,461	12,884	13,981	13,353	12,234	9,874	6,910	14,072,480
40-hour, 5-day week.....	30	423	479	469	402	554	680	585	563	467	478	470	516	820,127
All other 5-day week.....	1	1	1	3	10	9	11	13	9	10	15	5	3	12,002
44-hour, 5½-day week.....	131	1,156	1,174	1,400	1,920	2,308	2,791	3,058	3,025	2,858	2,543	2,313	1,930	3,411,133
All other 5½-day week.....	1	21	16	11	26	35	41	37	98	60	48	45	61	44,725
48-hour, 6-day week.....	141	1,660	1,502	1,762	2,382	3,245	3,900	4,312	4,740	4,839	4,203	3,442	2,002	4,869,415
54-hour, 6-day week.....	23	424	392	638	902	1,013	1,179	1,172	1,182	1,126	960	642	427	1,124,459
60-hour, 6-day week.....	12	99	137	253	282	378	424	527	664	887	837	396	172	825,140
All other 6-day week.....	5	295	275	577	815	1,197	1,167	1,149	1,208	1,055	944	537	435	1,099,657
All other not designated.....	15	449	465	568	829	823	1,000	1,443	1,463	1,298	1,450	1,480	933	1,400,389
Not reported.....	6	98	114	120	130	171	378	538	730	763	666	544	431	465,343
Subcontractors.....	258	1,922	1,947	2,172	2,527	2,780	2,965	3,036	3,031	3,092	3,078	2,711	2,354	4,876,651
40-hour, 5-day week.....	27	257	222	283	305	301	325	298	329	329	201	242	220	612,093
44-hour, 5½-day week.....	133	1,086	1,054	1,101	1,295	1,464	1,581	1,558	1,586	1,677	1,684	1,463	1,284	2,702,809
All other 5½-day week.....	3	22	23	18	23	33	39	33	41	37	29	28	44	49,951
48-hour, 6-day week.....	77	464	545	630	701	778	820	933	886	857	882	822	683	1,269,286
54-hour, 6-day week.....	3	16	18	27	43	44	33	27	29	26	27	25	25	35,329
60-hour, 6-day week.....	5	59	43	64	71	82	81	82	83	81	84	62	52	103,723
All other 6-day week.....	4	31	35	52	82	81	77	96	78	75	75	60	39	87,274
All other not designated.....	1	7	7	7	7	7	9	9	10	7	7	7	7	16,126
Not reported.....	1													

PACIFIC

CLASSIFICATION OF ESTABLISHMENTS	2,970	49,218	49,373	54,095	59,040	62,739	66,679	70,652	71,724	69,598	67,778	61,991	54,520	\$108,705,287
All classes of establishments.....	2,970	49,218	49,373	54,095	59,040	62,739	66,679	70,652	71,724	69,598	67,778	61,991	54,520	\$108,705,287
Classification of establishments														
Operative builders.....	39	252	255	370	476	474	523	650	638	520	305	397	342	766,065
General contractors.....	1,543	31,830	32,152	35,533	39,437	42,321	45,306	48,328	49,402	48,117	46,644	41,921	35,123	65,035,978
Building.....	1,055	14,581	15,279	17,436	20,737	22,131	23,469	23,940	23,972	23,319	22,833	21,315	19,056	33,689,355
Building not specialized.....	734	11,897	12,433	14,343	17,365	18,404	19,842	20,233	20,281	19,610	19,191	17,944	16,041	28,050,311
Commercial building only.....	59	781	820	902	1,033	1,233	1,246	1,291	1,380	1,353	1,322	971	837	1,871,635
Manufacturing building only.....	12	492	532	471	397	441	463	454	401	561	541	635	572	778,111
Residential building only.....	250	1,411	1,494	1,720	1,942	1,993	1,918	1,968	1,850	1,795	1,779	1,765	1,606	2,989,298
Highway.....	134	3,105	3,107	3,549	4,022	4,709	5,359	6,453	6,850	6,771	6,443	5,369	3,599	7,168,169
Bridge and culvert.....	46	2,501	2,269	2,338	2,055	2,212	2,095	2,310	2,242	2,149	1,669	1,581	1,345	3,827,435

See footnotes at end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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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	
PACIFIC—Continued														
<i>Classification of establishments—Continued</i>														
General contractors—Continued.														
Grading.....	55	948	1,013	1,069	1,323	1,727	1,810	2,065	2,285	2,148	1,012	1,785	1,150	\$2,274,026
Street paving.....	121	5,163	4,659	4,710	5,144	5,580	6,204	7,382	7,845	7,550	7,741	6,841	5,695	8,900,449
Sewer, gas, water, conduit.....	41	830	736	802	936	1,072	1,089	1,183	1,104	1,263	1,038	811	803	1,371,042
Dam and reservoir.....	23	1,682	2,037	2,227	1,753	1,550	1,625	1,649	1,668	1,621	1,434	1,014	676	2,504,658
Waterworks.....	8	278	245	334	318	304	425	316	207	342	360	455	447	591,537
Dredging, river, harbor, etc.....	27	1,962	1,845	2,074	2,301	2,203	2,233	2,050	1,930	1,717	1,805	1,604	1,481	2,959,726
Levee.....	2	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Railroad.....	7	149	206	421	377	166	261	303	425	472	401	308	228	526,748
Foundation.....	5	33	45	57	47	47	76	94	98	97	80	50	42	85,642
Central station, light and power plant.....	12	313	328	331	302	310	374	312	279	320	432	410	338	611,635
Air transport work.....	1	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Oil and natural gas pipe line.....	4	161	163	103	99	108	174	227	302	286	323	134	92	418,066
Veicular subway and tunnel.....	1	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Telephone line and system.....	1	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Subcontractors.....	1,388	17,127	16,966	18,186	19,127	19,944	20,850	21,668	21,684	20,961	20,739	19,673	19,055	37,903,244
Carpentering and wood flooring.....	49	506	526	537	622	620	665	708	708	690	608	570	498	1,148,885
Concrete.....	40	587	614	600	545	520	529	600	727	649	617	606	605	907,780
Electrical.....	218	2,033	1,995	2,056	2,136	2,202	2,284	2,308	2,339	2,265	2,075	2,030	1,908	4,260,502
Elevator construction.....	10	261	271	268	283	280	296	277	289	282	290	301	304	785,922
Heating and plumbing.....	396	4,480	4,250	4,710	4,979	5,147	5,397	5,545	5,492	5,349	5,391	5,259	5,325	9,095,642
Heating and piping.....	82	1,054	1,000	1,000	999	987	1,024	1,014	1,043	1,166	1,171	1,230	1,247	2,061,563
Pipe covering.....	10	129	140	140	153	125	121	151	236	208	195	182	234	323,252
Plumbing.....	252	2,552	2,483	2,774	2,903	3,152	3,333	3,313	3,267	3,040	3,055	2,886	2,994	5,859,948
Plumbing and heating combined.....	38	602	469	556	592	630	645	762	668	660	671	676	609	1,149,362
Automatic temperature control.....	2													
Automatic sprinkler systems.....	12	149	152	180	233	253	274	305	288	275	200	285	301	511,517
Masonry.....	56	688	675	705	847	866	906	885	913	800	930	606	813	1,552,105
Painting and decorating.....	109	1,519	1,551	1,738	1,894	2,132	1,990	2,087	2,326	2,268	2,141	1,882	1,684	3,922,914
Glass and glazing.....	26	217	193	230	225	208	223	225	240	247	235	244	218	469,977
Plastering and lathing.....	88	1,370	1,447	1,554	1,613	1,600	1,710	1,803	1,864	1,514	1,420	1,439	1,698	3,633,980
Roofing and sheet-metal work.....	145	1,357	1,319	1,336	1,337	1,349	1,522	1,525	1,546	1,631	1,728	1,726	1,569	2,635,084
Roofing.....	78	666	651	637	640	591	630	662	707	802	824	819	699	1,132,914
Sheet-metal work.....	63	643	626	654	653	707	826	801	789	764	832	832	817	1,373,184
Roofing and sheet metal combined.....	4	48	42	45	44	51	66	62	50	65	72	75	53	78,986
Steel erection.....	27	807	732	713	724	838	808	937	932	1,005	1,043	903	780	1,686,914
Stonework.....	6	109	117	111	121	135	142	145	151	159	165	181	168	197,287
Marble and tiling.....	90	1,480	1,409	1,474	1,468	1,618	1,645	1,700	1,723	1,716	1,635	1,558	1,529	2,947,501
Wrecking.....	3	48	57	55	90	57	55	65	48	36	71	66	44	73,737
Excavating.....	38	667	802	889	986	1,046	1,222	1,244	1,096	982	1,016	924	691	1,668,783
Ornamental iron.....	27	359	369	372	363	374	365	337	347	348	372	379	306	623,023
Highway.....	1	5	15	12	10	23	34	42	50	64	85	70	37	43,319
Bridge and culvert.....	7	107	91	157	215	192	224	232	221	242	284	247	239	231,963
Grading.....	4	86	114	163	159	171	203	204	76	70	97	103	104	184,033
Street paving.....	1													
Sewer, gas, water, conduit.....	1	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Waterworks.....	4	82	91	95	114	74	97	125	86	98	82	101	77	166,188
Dredging, river, harbor, etc.....	2	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Soundproofing.....	2	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Power plant.....	11	133	137	140	175	156	174	185	175	173	157	125	139	264,272
Metal work, n. e. s.....	1	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Rental of equipment, trucking, etc.....	15	112	117	126	119	123	130	154	161	120	130	127	148	233,545
Flooring, n. e. s.....														
<i>Length of working week¹</i>														
General contractors ¹	1,582	32,061	32,407	35,909	39,913	42,795	45,820	48,984	50,040	48,637	47,030	42,318	35,465	65,802,043
40-hour, 5-day week.....	192	2,689	2,611	3,338	3,698	3,832	3,905	3,947	4,201	4,109	3,910	3,724	3,082	5,894,771
45-hour, 5-day week.....	2			3	7	0	6	8	11	6	7	12	7	14,389
All other 5-day week.....	6	169	215	189	165	148	140	186	152	117	138	106	137	243,676
44-hour, 5½-day week.....	641	9,843	10,691	11,225	12,673	13,493	14,534	15,207	15,064	14,945	13,693	12,565	11,296	22,072,918
49½-hour, 5½-day week.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1,894
48-hour, 5½-day week.....	12	406	453	428	519	475	519	480	461	478	402	411	410	724,903
48-hour, 6-day week.....	585	15,495	15,106	16,568	18,427	20,012	21,396	23,700	24,452	23,600	23,563	21,283	17,121	29,084,268
54-hour, 6-day week.....	23	286	303	412	433	587	560	565	520	523	606	429	445	701,001
60-hour, 6-day week.....	7	65	65	108	181	216	278	321	318	314	302	226	154	296,013
All other 6-day week.....	28	601	814	751	924	1,051	1,081	1,172	1,018	820	684	618	497	1,451,758
All other not designated.....	64	2,218	2,639	2,699	2,734	2,717	3,137	2,950	3,402	3,401	3,364	2,678	2,138	4,968,602
Not reported.....	21	228	209	187	251	254	272	449	432	323	314	265	177	353,350
Subcontractors.....	1,388	17,127	16,966	18,186	19,127	19,944	20,850	21,668	21,684	20,961	20,739	19,673	19,055	37,903,244
40-hour, 5-day week.....	322	4,028	3,991	4,273	4,476	4,706	4,820	5,117	5,038	4,891	4,731	4,601	4,491	9,698,060
45-hour, 5-day week.....	7	5	7	19	13	11	11	36	30	15	16	9	8	15,366
All other 5-day week.....	7	104	105	118	108	107	99	97	109	117	127	104	113	187,385
44-hour, 5½-day week.....	653	8,780	8,519	9,090	9,519	9,854	10,207	10,446	10,627	10,185	10,189	9,781	9,632	18,772,874
49½-hour, 5½-day week.....	1	1	1	1	1	1	1	1	1	1	1	1	1	21,899
48-hour, 5½-day week.....	1	4	5	6	5	5	3	4	3	3	4	3	3	7,578
48-hour, 6-day week.....	34	373	350	352	356	340	343	322	302	389	363	345	336	617,320
54-hour, 6-day week.....	292	2,914	2,955	3,202	3,300	3,568	3,777	4,212	4,144	4,104	4,000	3,759	3,520	6,188,482
60-hour, 6-day week.....	15	345	322	334	358	414	350	319	373	373	373	339	329	504,038
All other 6-day														

CONSTRUCTION—UNITED STATES SUMMARY

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

CLASSIFICATION OF ESTABLISHMENTS	Estab-lish-ments reporting	Value of con-struction business reported	PRINCIPAL ITEMS OF EXPENDITURE			OTHER ITEMS OF EXPENDITURE							
			Sub-con-tract work let	Wages paid	Cost of materials	Salaries		Rent for		Interest	Contract bond premiums	Compen-sation and liability insurance premiums	All other overhead expenses
						Proprie-tors and firm members	Em-ployees	Equip-ment	Offices, etc.				
NEW ENGLAND													
All classes of establishments.....	2,520	Dollars 430,078,197	Dollars 95,659,000	Dollars 119,737,872	Dollars 120,587,517	Dollars 2,937,111	Dollars 26,081,000	Dollars 2,085,432	Dollars 1,880,311	Dollars 2,413,408	Dollars 733,622	Dollars 4,017,984	Dollars 22,672,956
Operative builders.....	53	4,530,930	2,128,000	634,874	1,142,332	62,132	78,318	434	5,402	120,183	15	17,705	105,727
General contractors.....	1,143	305,316,769	90,244,000	83,032,828	76,351,199	1,134,762	17,431,783	1,017,047	851,070	1,898,598	685,881	2,000,944	13,999,895
Building.....	808	100,026,909	62,811,000	49,427,114	50,932,230	935,950	8,063,006	412,505	412,542	1,447,928	290,009	1,673,674	6,185,780
Building not specialized.....	623	162,967,549	54,249,000	42,813,517	42,803,200	604,807	8,070,411	370,081	354,805	1,272,750	275,408	1,600,228	5,487,827
Commercial building only.....	41	5,866,087	1,802,000	1,480,607	1,551,202	18,020	253,815	8,820	21,481	20,012	15,929	46,054	127,517
Manufacturing building only.....	7	1,669,682	577,000	394,522	498,309	0,850	40,132	11,007	6,945	1,428	—	10,537	89,143
Residential building only.....	227	19,533,501	6,123,000	4,738,608	5,089,459	308,273	532,647	13,087	20,312	153,738	7,702	110,855	481,293
Highway.....	79	29,856,441	1,776,000	9,420,041	8,600,761	62,430	1,804,833	707,016	41,056	170,214	213,723	444,779	3,700,104
Bridge and culvert.....	29	5,667,229	288,000	1,801,511	2,324,661	2,200	359,677	42,006	11,643	21,033	5,971	47,590	370,104
Grading.....	30	2,938,854	69,000	1,323,009	468,388	20,101	233,714	85,808	26,341	12,958	55,151	64,403	905,130
Street paving.....	29	6,952,620	545,000	1,890,172	2,088,205	15,893	239,780	240,388	15,014	12,484	17,870	68,624	240,702
Sewer, gas, water, conduit.....	25	3,055,624	27,000	1,462,775	630,790	21,240	381,599	67,400	2,682	23,165	8,577	59,123	236,285
Dam and reservoir.....	7	3,075,956	38,000	1,361,671	601,659	—	62,984	7,880	0,000	0,000	2,958	3,236	50,070
Waterworks.....	6	542,008	11,000	130,023	214,667	6,700	339,201	2,694	18,794	18,200	12,698	54,263	362,420
Dredging, river, harbor, etc.....	15	3,908,243	449,000	1,833,012	959,600	1,800	—	—	—	—	—	—	—
Railroad.....	2	3,426,019	110,000	1,229,722	953,116	9,328	265,508	55,803	20,290	40,583	10,344	61,078	200,594
Foundation.....	11	—	—	—	—	—	—	—	—	—	—	—	—
Central station, light and power plant.....	9	55,015,881	24,100,000	13,363,331	8,481,477	—	4,323,850	126,713	275,458	60,347	5,090	402,751	1,295,420
Air transport work.....	1	(1)	(1)	(1)	(1)	—	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Telephone line and system.....	2	(1)	(1)	(1)	(1)	—	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Subcontractors.....	1,333	120,224,430	3,287,000	36,070,175	52,004,286	1,740,217	7,570,800	167,051	1,023,239	304,687	47,726	1,009,245	3,567,333
Carpentering and wood flooring.....	17	1,081,312	105,000	331,850	411,455	32,001	57,060	6,488	1,221	5,005	808	34,789	128,047
Concreting.....	31	2,916,722	217,000	1,119,771	798,297	90,023	102,079	5,947	9,272	16,329	3,148	34,000	200,067
Electrical.....	196	14,871,323	10,000	4,023,023	6,183,826	179,803	1,059,384	4,805	197,802	57,128	5,204	90,247	1,242,801
Elevator construction.....	11	4,137,411	211,000	698,283	2,488,675	5,000	172,671	600	4,904	475	510	23,327	220,668
Heating and plumbing.....	602	61,028,049	1,753,000	12,350,267	20,105,010	810,978	2,072,890	11,252	443,612	103,913	32,746	224,403	3,221,588
Heating and piping.....	170	21,255,515	1,461,000	4,457,183	10,853,272	178,423	1,306,145	2,200	161,625	61,408	17,580	90,949	1,475,238
Pipe covering.....	2	—	—	—	—	—	—	—	—	—	—	—	—
Plumbing.....	250	17,092,999	170,000	4,584,484	8,745,075	435,414	906,342	5,520	177,107	99,520	0,349	75,794	967,642
Plumbing and heating com-bined.....	163	11,074,026	113,000	2,916,610	5,672,466	203,141	617,023	3,442	101,018	32,895	5,811	48,959	700,030
Automatic temperature control.....	1	—	—	—	—	—	—	—	—	—	—	—	—
Automatic sprinkler systems.....	4	1,604,606	—	400,000	833,507	—	83,320	—	3,862	—	—	8,701	78,660
Masonry.....	45	2,505,470	130,000	1,010,731	848,012	29,420	58,404	4,081	7,635	5,005	808	34,789	128,047
Painting and decorating.....	122	8,530,476	18,000	4,668,874	1,015,337	240,640	573,033	3,310	86,578	33,590	568	98,377	532,670
Glass and glazing.....	14	926,646	3,000	236,353	418,917	35,644	45,661	—	28,878	2,853	10	6,911	75,983
Plastering and lathing.....	34	3,334,260	251,000	1,713,022	987,770	90,895	134,440	1,800	15,732	7,089	1,250	30,673	101,252
Roofing and sheet-metal work.....	134	9,701,528	287,000	2,694,003	4,147,044	165,206	678,361	2,440	112,939	36,286	820	119,237	883,515
Roofing.....	67	4,315,637	218,000	1,029,690	1,700,113	90,418	280,834	100	50,651	22,216	464	60,082	460,513
Sheet-metal work.....	39	2,938,908	46,000	870,211	1,288,453	57,008	248,014	2,340	32,110	5,206	—	24,983	235,191
Roofing and sheet metal com-bined.....	28	2,500,923	24,000	785,606	1,090,078	17,789	148,013	—	30,169	8,804	302	34,172	178,811
Steel erection.....	17	5,069,133	81,000	1,007,644	2,422,655	6,580	509,431	15,191	8,033	11,298	80	86,645	360,987
Stonework.....	7	1,379,670	11,000	667,697	210,807	2,000	188,002	1,106	3,146	7,071	—	13,995	127,203
Marble and tiling.....	43	5,506,321	140,000	1,611,478	2,502,178	58,906	305,240	5,179	43,580	10,587	221	27,395	308,303
Wrecking.....	8	752,030	5,000	404,774	1,000	5,200	104,708	2,297	18,021	7,421	1,010	28,687	185,805
Excavating.....	14	1,164,194	5,000	823,969	115,392	20,966	78,214	95,425	7,053	12,181	790	21,511	265,485
Ornamental iron.....	19	2,090,405	48,000	430,800	1,041,494	4,000	210,771	—	15,646	5,323	30	19,039	128,741
Grading.....	6	268,785	—	129,190	40,779	—	8,742	0,082	600	2,780	—	2,688	51,009
Street paving.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Sewer, gas, water, conduit.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Dredging, river, harbor, etc.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Foundation.....	4	367,017	—	127,661	50,744	—	81,669	350	5,418	3,101	—	9,112	38,155
Metal work, n. e. s.....	5	731,772	6,000	150,583	371,352	—	85,270	—	8,716	930	350	2,036	85,067
Flooring, n. e. s.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)

MIDDLE ATLANTIC

CLASSIFICATION OF ESTABLISHMENTS	Estab-lish-ments reporting	Value of con-struction business reported	PRINCIPAL ITEMS OF EXPENDITURE			OTHER ITEMS OF EXPENDITURE							
			Sub-con-tract work let	Wages paid	Cost of materials	Salaries		Rent for		Interest	Contract bond premiums	Compen-sation and liability insurance premiums	All other overhead expenses
						Proprie-tors and firm members	Em-ployees	Equip-ment	Offices, etc.				
MIDDLE ATLANTIC													
All classes of establishments.....	7,416	Dollars 1,980,172,059	Dollars 547,947,000	Dollars 466,182,229	Dollars 694,819,002	Dollars 9,040,731	Dollars 104,707,226	Dollars 8,984,040	Dollars 8,952,669	Dollars 9,263,991	Dollars 5,235,183	Dollars 20,824,620	Dollars 98,226,935
Operative builders.....	183	61,000,804	51,539,000	2,459,195	2,832,730	82,871	1,317,576	9,963	122,089	1,587,002	31,520	239,013	1,400,875
General contractors.....	3,085	1,261,068,016	402,743,000	295,153,037	310,895,991	3,305,676	62,111,009	7,226,850	4,424,460	5,405,864	4,650,120	13,726,096	67,126,395
Building.....	2,317	801,837,797	428,828,000	151,381,476	172,068,272	2,626,239	39,793,550	1,885,811	2,901,110	2,704,166	1,850,980	5,703,394	19,564,481
Building not specialized.....	1,563	696,815,871	350,761,000	128,007,488	133,248,481	1,905,261	30,301,820	1,820,217	2,130,892	1,727,039	1,762,474	5,825,954	14,918,234
Commercial building only.....	148	34,343,426	20,503,000	5,079,030	4,447,366	75,065	2,080,456	23,848	685,279	106,282	22,604	210,403	907,372
Manufacturing building only.....	16	53,802,519	20,652,000	5,165,367	18,816,013	—	2,654,403	8,586	10,436	108,321	2,552	198,203	1,719,444
Residential building only.....	501	70,875,978	36,922,000	13,059,694	15,556,413	645,908	2,806,832	33,160	174,504	792,524	43,382	454,194	2,049,431
Highway.....	236	78,299,088	3,302,000	10,634,780	20,603,213	349,237	3,919,621	1,841,772	246,857	521,306	790,252	432,675	3,683,971
Bridge and culvert.....	46	36,006,348	3,492,000	8,887,840	15,139,496	72,112	1,514,036	113,072	47,325	55,402	71,284	67,305	817,940
Grading.....	37	4,068,176	140,000	1,915,535	795,974	20,290	429,015	94,649	28,110	46,862	8,862	658,052	5,701,813
Street paving.....	173	55,539,881	4,510,000	14,143,424	19,733,270	138,877	3,423,905	804,410	272,345	306,962			

CONSTRUCTION—UNITED STATES SUMMARY

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.				
EAST NORTH CENTRAL—Continued													
Subcontractors—Continued		Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	
Glass and glazing	28	3,322,605	163,000	673,722	1,680,498	27,130	270,227	10,000	48,488	9,719	627	16,042	272,436
Plastering and lathing	197	25,477,205	1,120,000	12,784,760	7,142,150	270,598	1,357,021	70,040	97,123	85,333	20,248	104,907	961,686
Roofing and sheet-metal work	458	42,908,658	416,000	11,232,367	18,239,800	612,115	3,519,098	6,095	430,549	243,270	13,737	358,243	4,551,262
Roofing	241	22,079,743	143,000	5,006,362	9,351,675	227,578	2,010,232	6,542	223,053	130,974	3,900	186,812	2,731,839
Sheet-metal work	152	13,076,059	104,000	3,884,398	5,580,777	274,775	907,695	135	138,309	62,138	6,070	103,391	1,144,835
Roofing and sheet metal combined	65	7,843,856	169,000	2,341,607	3,307,357	109,702	601,771	18	69,187	41,107	3,692	68,040	774,588
Steel erection	64	27,095,821	792,000	6,154,307	12,108,845	37,247	1,000,024	83,068	55,589	61,884	20,580	437,245	2,064,251
Stonework	42	5,907,691	175,000	1,728,863	2,170,772	78,363	510,871	25,604	66,585	14,234	1,116	84,417	455,250
Marble and tiling	184	24,226,574	127,000	7,784,374	10,463,716	228,841	1,624,093	5,888	250,746	50,727	18,244	79,413	2,045,456
Wrecking	10	818,702	31,000	412,065	6,924	133,703	54,674	14,528	7,808	1,055	19,618	143,210	1,760,265
Excavating	64	5,734,782	230,000	1,883,789	108,749	69,754	423,455	470,285	47,088	57,017	4,462	69,207	1,760,265
Ornamental iron	22	8,043,895	118,000	1,708,931	3,815,654	11,900	428,073	497	50,114	37,838	800	41,634	871,041
Highway	3	543,807	—	45,003	203,204	—	8,500	2,071	1,590	1,218	—	771	1,895
Bridge and culvert	3	681,237	62,000	229,146	226,052	—	4,800	50,640	2,100	1,062	—	1,182	18,900
Grading	7	1,071,510	35,000	370,600	75,725	—	10,800	102,265	93,208	6,412	—	421	15,506
Street paving	11	2,030,787	—	643,112	763,980	—	7,000	152,333	2,601	9,590	—	321	10,323
Sewer, gas, water, conduit	2	184,102	—	64,620	52,588	—	7,200	—	760	—	—	800	1,108
Dredging, river, harbor, etc.	1	(1)	—	(1)	(1)	—	(1)	(1)	(1)	(1)	—	(1)	(1)
Soundproofing	4	983,840	5,000	262,146	464,322	—	83,627	1,800	9,379	5,709	—	100	6,277
Foundation	7	1,201,484	146,000	354,699	352,636	—	90,650	14,837	7,821	4,109	—	17,056	25,116
Power plant	1	(1)	—	(1)	(1)	—	(1)	(1)	(1)	(1)	—	(1)	(1)
Metal work, n. e. s.	31	23,380,453	1,343,000	4,814,685	13,498,051	40,704	709,715	13,023	114,416	21,108	—	1,041	157,242
Rental of equipment, trucking, etc.	5	1,449,568	91,000	580,246	14,609	—	56,407	108,195	3,724	12,095	—	1,315	17,649
Flooring, n. e. s.	15	3,220,852	—	606,302	1,782,737	—	224,503	1,500	27,409	11,139	—	650	13,124

WEST NORTH CENTRAL

All classes of establishments	2, 114	Dollars 360,044,210	Dollars 59,595,000	Dollars 86,551,811	Dollars 134,173,114	Dollars 2,292,300	Dollars 16,980,398	Dollars 1,164,937	Dollars 1,340,189	Dollars 1,542,913	Dollars 1,972,594	Dollars 3,224,080	Dollars 25,340,283
Operative builders	40	7,587,082	3,321,000	1,285,453	1,807,764	57,811	266,809	3,914	25,411	143,968	6,010	33,312	131,219
General contractors	1,154	262,474,270	53,039,000	61,040,615	91,180,344	1,070,037	11,343,768	847,411	614,100	1,000,809	1,827,745	2,424,711	18,828,257
Building	700	134,888,894	42,074,000	28,302,000	44,900,794	642,584	5,162,250	70,813	207,789	355,039	627,013	1,001,802	3,168,045
Building not specialized	540	114,816,834	30,313,000	24,633,979	37,806,094	541,948	4,376,605	55,163	230,277	275,505	601,807	865,683	2,737,918
Commercial building only	57	9,206,807	2,743,000	1,633,375	3,647,866	56,790	420,367	3,881	28,927	13,387	15,207	73,278	191,617
Manufacturing building only	3	448,619	62,000	119,000	100,783	—	61,700	—	3,700	1,419	2,580	7,040	37,300
Residential building only	100	10,326,034	3,550,000	1,915,652	3,346,031	44,846	303,578	12,700	28,856	64,778	7,029	55,901	211,810
Highway	130	43,929,465	5,463,000	9,405,007	17,255,400	207,929	1,751,380	287,008	106,285	278,080	402,483	350,003	5,173,421
Bridge and culvert	82	16,120,800	454,000	4,889,718	6,483,345	84,500	1,060,159	37,201	37,500	80,240	158,090	242,552	1,020,465
Grading	68	8,091,695	1,053,000	3,470,195	546,632	34,537	300,062	160,967	33,307	78,106	50,586	89,608	2,021,282
Street paving	88	14,569,141	744,000	2,837,757	6,082,332	60,162	742,632	81,617	56,892	167,874	144,389	116,244	1,765,020
Sewer, gas, water, conduit	24	4,625,980	85,000	1,879,842	1,663,547	21,692	235,269	104,707	10,504	45,580	91,907	97,905	431,037
Dam and reservoir	7	2,636,633	204,000	643,109	1,111,803	12,633	174,414	555	4,701	8,231	35,289	47,208	164,164
Waterworks	6	2,060,943	182,000	396,497	903,985	—	130,957	11,000	11,908	6,974	18,816	30,702	120,784
Dredging, river, harbor, etc.	3	3,083,295	152,000	801,057	786,034	—	200,387	7,100	11,076	19,513	30,154	43,804	762,666
Levee	3	383,513	47,000	197,489	9,687	—	43,900	120	1,540	1,512	7,713	3,397	40,105
Railroad	14	16,020,330	1,366,000	5,455,310	3,206,744	—	874,745	30,599	22,386	17,015	93,797	292,732	2,990,201
Foundation	1	(1)	—	(1)	(1)	—	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Central station, light and power plant	11	5,384,248	20,000	1,420,171	2,607,645	—	212,114	35,684	15,554	10,000	47,537	24,807	364,601
Air transport work	1	(1)	—	(1)	(1)	—	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Refuse disposal plant	1	(1)	—	(1)	(1)	—	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Oil and natural gas pipe line	3	8,919,372	1,233,000	1,682,992	4,762,119	—	327,799	460	2,934	2,621	11,446	67,090	734,968
Telephone line and system	1	(1)	—	(1)	(1)	—	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Subcontractors	920	89,082,809	2,495,000	24,225,743	41,124,010	1,104,452	5,309,821	313,612	700,678	332,130	138,839	761,057	6,380,787
Carpentering and wood flooring	9	547,499	10,000	179,787	218,451	16,084	30,270	4,594	715	—	—	3,616	40,747
Concrete	43	5,828,673	81,000	1,964,678	1,938,515	27,300	441,708	16,023	26,302	31,583	13,076	89,840	449,613
Electrical	124	9,605,907	18,000	2,852,393	4,350,731	131,940	780,021	4,040	116,942	27,934	14,841	75,201	614,597
Elevator construction	7	2,936,930	—	500,551	1,914,963	—	90,909	—	5,737	34	969	21,638	40,286
Heating and plumbing	374	31,257,907	890,000	7,327,003	16,476,057	553,179	1,702,020	6,999	200,929	115,384	62,430	140,095	1,752,450
Heating and piping	87	8,498,848	458,000	1,780,132	4,787,033	120,640	527,707	3,232	58,237	27,538	25,867	38,164	436,974
Pipe covering	167	1,548,485	85,000	424,030	517,275	—	121,201	—	12,244	2,314	37	10,424	97,879
Plumbing	109	12,028,021	160,000	3,175,955	6,604,166	224,160	629,359	3,075	115,865	60,497	13,129	60,994	748,695
Plumbing and heating combined	167	7,024,842	160,000	1,704,525	4,126,009	208,370	357,586	992	69,833	24,985	28,052	32,709	420,782
Automatic temperature control	3	957,711	12,000	241,761	380,804	—	66,107	—	4,700	—	355	4,874	48,450
Automatic sprinkler systems	23	3,644,843	28,000	1,345,878	1,570,044	24,150	225,326	4,112	5,445	6,140	1,459	53,099	84,497
Masonry	56	3,630,418	40,000	1,921,310	771,067	99,768	234,807	1,418	48,559	6,668	1,664	43,796	179,044
Painting and decorating	7	986,125	—	231,000	454,730	12,577	96,937	—	22,206	1,166	—	6,697	94,176
Glass and glazing	26	2,120,639	59,000	1,014,362	604,965	37,654	97,347	300	10,426	9,811	890	20,096	74,819
Plastering and lathing	110	7,156,908	16,000	1,093,590	3,208,116	127,089	582,006	1,442	91,104	39,387	4,489	78,480	822,434
Roofing and sheet-metal work	67	4,458,947	12,000	906,024	2,074,872	40,051	397,366	1,412	57,105	26,210	1,764	51,385	552,013
Roofing	31	1,972,400	4,000	583,288	801,327	68,400	108,164	—	26,916	5,254	2,400	20,489	202,801
Sheet-metal work	12	725,561	—	204,684	331,917	13,238	40,476	30	8,083	7,923	335	6,600	67,560
Roofing and sheet metal combined	8	4,396,582	593,000	600,717	2,479,979	—	188,191	5,143	6,720	22,596	8,520	80,837	108,653
Steel erection	6	952,704	—	210,828	537,974	—	63,895	1,063	5				

CONSTRUCTION—UNITED STATES SUMMARY

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.				
EAST SOUTH CENTRAL—Continued													
Subcontractors	389	Dollars 36,179,330	Dollars 805,000	Dollars 8,647,408	Dollars 17,736,280	Dollars 459,930	Dollars 2,169,356	Dollars 87,170	Dollars 211,159	Dollars 159,329	Dollars 55,190	Dollars 256,109	Dollars 2,045,080
Carpentering and wood flooring	2	()	()	()	()	()	()	()	()	()	()	()	()
Concreting	13	1,371,424	0,000	445,073	460,101	28,206	124,477	3,283	2,077	8,408	3,203	9,789	136,364
Electrical	51	3,883,557	1,000	886,461	1,941,197	59,291	356,303	46,570	11,206	8,209	14,004	315,066	
Elevator construction	5	979,616	103,000	154,018	559,126		29,957		3,045	850	1,555	4,049	18,696
Heating and plumbing	121	8,665,543	103,000	2,004,777	4,405,508	195,698	587,470	4,087	77,873	31,671	13,985	31,765	602,237
Heating and piping	33	2,718,721	84,000	592,554	1,430,349	56,917	174,091	50	29,311	9,072	7,427	8,068	210,572
Plumbing	65	4,403,685	17,000	1,061,124	2,250,404	104,981	302,766	4,037	30,978	17,040	5,234	19,389	255,172
Plumbing and heating combined	22	1,482,837	5,000	351,099	715,755	33,800	110,610		17,684	4,659	1,324	4,310	96,493
Automatic sprinkler systems	1	()	()	()	()	()	()	()	()	()	()	()	()
Masonry	17	1,805,500		752,314	818,781	52,119	73,303	2,121	2,963	7,188	1,255	18,864	39,203
Painting and decorating	17	880,777	2,000	463,458	103,948	19,210	94,481	200	11,889	3,107	207	8,400	60,843
Glass and glazing	1	()	()	()	()	()	()	()	()	()	()	()	()
Plastering and lathing	10	991,420	10,000	408,158	389,889	3,640	44,353	60,000	1,411	3,828	645	8,076	37,623
Roofing and sheet-metal work	59	4,031,444	16,000	838,104	1,826,288	82,037	408,005	4,179	31,628	47,920	1,319	29,212	450,318
Roofing	35	2,872,303	10,000	623,480	1,272,770	41,142	328,500	4,179	20,080	43,775	1,319	10,537	384,899
Sheet-metal work	14	709,582		214,783	325,758	24,001	58,410		8,648	4,110		5,924	67,817
Roofing and sheet metal combined	7	380,559	5,000	69,896	237,754	16,894	29,990		2,094	35		3,761	27,603
Steel erection	8	5,984,246	528,000	1,004,602	3,033,155		111,201	3,613	1,350	20,805	23,670	104,383	502,530
Stonework	6	279,391		90,716	101,624	5,200	37,359	1,255		4,558		1,690	17,000
Marble and tiling	19	5,329,884		1,241,453	3,159,038	10,200	201,694		17,121	8,004	250	14,049	227,240
Wrecking	1	()	()	()	()	()	()	()	()	()	()	()	()
Ornamental iron	2	()	()	()	()	()	()	()	()	()	()	()	()
Highway	1	()	()	()	()	()	()	()	()	()	()	()	()
Bridge and culvert	1	()	()	()	()	()	()	()	()	()	()	()	()
Grading	1	()	()	()	()	()	()	()	()	()	()	()	()
Soundproofing	1	()	()	()	()	()	()	()	()	()	()	()	()
Foundation	1	()	()	()	()	()	()	()	()	()	()	()	()
Metal work, n. e. s.	2	170,412		39,715	92,646		18,800		1,060	600		542	10,990
Pipe line	1	()	()	()	()	()	()	()	()	()	()	()	()
Flooring, n. e. s.	1	()	()	()	()	()	()	()	()	()	()	()	()
Miscellaneous	1	()	()	()	()	()	()	()	()	()	()	()	()
WEST SOUTH CENTRAL													
All classes of establishments	1,866	Dollars 264,679,329	Dollars 46,323,000	Dollars 58,910,431	Dollars 103,600,293	Dollars 1,840,141	Dollars 11,015,783	Dollars 609,046	Dollars 893,546	Dollars 1,766,176	Dollars 1,483,285	Dollars 2,263,132	Dollars 17,563,888
Operative builders	24	3,019,046	986,000	472,767	1,102,093	27,120	103,223		21,448	50,512	965	7,374	120,023
General contractors	760	201,180,262	44,691,000	43,831,539	70,831,196	828,058	7,831,234	481,125	388,448	1,503,033	1,399,926	1,840,000	13,548,570
Building	521	107,872,647	27,075,000	21,703,322	35,081,668	525,657	3,394,842	50,372	207,591	283,976	529,707	897,298	2,140,915
Building not specialized	386	94,361,315	31,606,000	19,130,221	30,873,765	470,933	3,080,005	45,850	175,844	198,813	500,383	826,454	1,924,910
Commercial building only	29	6,297,500	3,710,000	879,408	1,276,811	10,678	154,379	1,154	17,237	34,935	11,460	33,073	80,145
Manufacturing building only	3	695,494	69,000	430,067	143,066	9,600	38,475	1,600	781	1,070	755	5,750	12,145
Residential building only	103	6,518,338	1,700,000	1,223,020	2,787,306	36,046	115,983	1,859	13,699	49,192	13,179	32,080	182,000
Highway	87	30,242,559	2,381,000	6,814,152	13,778,350	140,023	1,242,407	121,939	51,330	230,300	335,359	254,063	3,488,293
Bridge and culvert	32	6,743,478	171,000	1,799,082	3,242,030	6,480	416,889	7,659	8,991	21,150	73,256	100,480	532,423
Grading	5	602,855	56,000	357,471	9,380	8,924	15,900	27,942	7,800	4,597	4,418	7,687	91,017
Street paving	43	18,993,707	1,447,000	4,068,214	7,080,178	72,427	1,006,434	83,718	36,428	236,547	200,452	155,140	1,831,169
Sewer, gas, water, conduit	19	5,232,534	227,000	2,487,554	2,487,554	12,900	267,961	96,879	12,870	57,237	50,464	69,324	497,679
Dam and reservoir	7	4,765,128	690,000	1,344,133	1,424,252		240,571	7,600	3,606	28,293	69,718	50,448	494,565
Waterworks	9	2,817,307	92,000	540,021	1,388,250	28,347	133,733	8,900	7,025	8,634	35,981	21,890	243,793
Dredging, river, harbor, etc.	8	2,330,069	11,000	705,321	60,025		195,010	4,670	7,472	23,725	8,513	34,300	919,048
Levee	8	943,744	129,000	106,750	17,769	14,700	93,903	2,338	2,945	20,198	11,514	6,498	34,938
Railroad	9	4,087,430	568,000	1,480,077	114,368	18,690	160,134	13,974	5,088	17,894	4,277	40,139	1,230,110
Foundation	1	()	()	()	()	()	()	()	()	()	()	()	()
Central station, light and power plant	5	5,689,948	260,000	1,144,936	3,050,850		198,079	43,838	8,612	2,442	2,068	75,670	345,897
Oil and natural gas pipe line	5	10,591,563	1,567,000	2,048,903	2,090,410		437,365	4,391	27,903	507,718	60,001	122,340	1,414,281
Telephone line and system	1	()	()	()	()	()	()	()	()	()	()	()	()
Subcontractors	572	60,388,418	646,000	14,606,125	31,667,003	984,963	3,081,320	27,921	483,650	211,631	82,414	405,758	3,835,295
Carpentering and wood flooring	2	()	()	()	()	()	()	()	()	()	()	()	()
Concreting	18	974,180		370,570	384,399	6,600	55,490	1,245	5,342	2,386	1,803	8,857	43,700
Electrical	91	7,109,730		1,808,498	3,505,099	174,625	476,947	2,642	93,218	27,852	12,150	34,782	457,923
Elevator construction	6	3,841,080	138,000	420,225	2,710,175	25,100	75,089	100	5,153	1,827	1,764	25,093	32,064
Heating and plumbing	217	19,202,836	198,000	4,335,080	10,623,573	362,999	1,020,981	3,884	195,550	60,005	50,883	77,250	1,245,845
Heating and piping	18	2,244,136	31,000	416,487	1,262,557	33,899	102,769	1,600	10,217	5,058	4,069	8,200	188,203
Pipe covering	1	()	()	()	()	()	()	()	()	()	()	()	()
Plumbing	159	12,205,240	165,000	2,907,389	6,069,727	283,787	670,879	2,020	125,564	43,532	31,947	49,151	734,597
Plumbing and heating combined	38	4,379,135	12,000	940,254	2,445,059	45,313	221,832	364	49,225	16,572	13,003	19,378	300,781
Automatic temperature control	1	()	()	()	()	()	()	()	()	()	()	()	()
Automatic sprinkler systems	3	374,316		61,950	216,280		25,501		4,544	843	964	521	22,204
Masonry	8	508,059	2,000	231,351	170,487	8,000	12,900	782	1,657	220	65	9,280	19,325
Painting and decorating	29	1,365,594	7,000	651,789	377,569	40,611	52,572		13,201	2,780	592	13,487	51,470
Glass and glazing	3	192,167	8,000	55,655	80,565		20,792		300	1,696	345	1,238	14,284
Plastering and lathing	33	3,518,992	160,000	1,674,299	1,113,745	79,558	144,682	103	13,484	9,811	3,226	26,873	89,175
Roofing and sheet-metal work	76	6,198,869	16,000	1,304,845	3,261,192	115,078	449,625		63,793	38,336	3,198	47,255	541,098
Roofing	45	4,090,399	16,000	771,278	2,237,279	43,772	311,765		40,418	28,644	2,364	30,880	391,784
Sheet-metal work	20	1,826,581		360,819	641,528	40,408	93,625		6,320	7,159	834	9,063	79,104
Roofing and sheet metal combined	11	781,889		172,748	382,385	30,898	44,235		17,055	3,033		6,403	70,180
Steel erection	6	3,130,675	65,000	520,619	1,840,570	86,660	360,600	4,000	13,895	6,358	303	48,576	

CONSTRUCTION—UNITED STATES SUMMARY

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.				
WEST SOUTH CENTRAL—Continued													
Subcontractors—Continued.		Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	
Marble and tiling.....	43	4,751,485	15,000	1,254,787	2,296,346	90,115	255,274	1,290	51,491	22,687	1,091	13,780	
Excavating.....	8	689,820		301,085	67,824	5,400	18,075	5,867	1,080	8,232	3,160	12,406	
Ornamental iron.....	5	473,165	25,000	74,165	280,300	4,320	16,282			504		2,936	
Street paving.....	1	(1)		(1)		(1)	(1)	(1)	(1)			(1)	
Soundproofing.....	1	(1)		(1)		(1)	(1)	(1)	(1)			(1)	
Foundation.....	2	(1)		(1)		(1)	(1)	(1)	(1)			(1)	
Metal work, n. e. s.....	12	7,013,836	22,000	1,254,676	4,405,205	31,690	168,097		13,130	9,988	2,012	73,306	
Pipe line.....	1	(1)		(1)		(1)	(1)	(1)	(1)			(1)	
Flooring, n. e. s.....	2	(1)		(1)		(1)	(1)	(1)	(1)			(1)	

MOUNTAIN

All classes of establishments.....	566	Dollars 67,789,489	Dollars 13,206,000	Dollars 15,625,998	Dollars 32,822,435	Dollars 552,354	Dollars 2,540,823	Dollars 369,997	Dollars 219,878	Dollars 384,390	Dollars 340,854	Dollars 497,856	Dollars 6,733,935
Operative builders.....	9	568,005	390,000	34,342	82,093		15,482			0,208	145	1,587	12,720
General contractors.....	307	48,266,040	12,458,000	10,616,229	13,936,532	212,581	1,645,255	196,817	78,212	284,680	318,121	321,718	4,199,893
Building.....	207	28,253,700	8,443,000	5,384,871	8,766,640	146,356	725,830	38,541	23,956	123,996	116,409	140,486	542,900
Building not specialized.....	174	23,821,548	7,680,000	4,950,084	7,065,184	143,556	675,013	10,155	36,888	92,402	114,503	133,455	501,454
Commercial building only.....	5	533,455	330,000	104,230	63,850		7,758	167	1,884	47	808	47	5,602
Residential building only.....	28	1,898,703	538,000	330,557	737,647	2,800	43,066	40	1,332	29,710	1,859	6,223	35,643
Highway.....	41	8,182,935	1,504,000	1,781,636	1,830,043	22,557	337,110	97,639	13,588	63,878	93,477	64,452	1,607,173
Bridge and culvert.....	8	1,083,808	37,000	340,332	475,187	2,100	41,065	1,848	2,164	3,237	10,274	11,580	49,618
Grading.....	14	1,237,277	245,000	305,950	45,335	26,960	34,470	23,657	2,006	4,509	14,397	13,980	391,483
Street paving.....	14	2,763,679	97,000	657,036	1,127,538	9,600	160,159	17,284	5,786	24,299	19,824	23,671	190,900
Sewer, gas, water, conduit.....	9	852,722	107,000	173,677	352,518		25,613	14,210	3,459	3,648	11,816	6,192	86,790
Dam and reservoir.....	6	985,914	86,000	323,227	97,639		48,665	7,347	1,492	5,278	10,822	12,080	328,479
Dredging, river, harbor, etc.....	3	1,096,553	160,000	485,276	6,812		32,616	4,200	15	7,574	15,508	12,064	434,300
Railroad.....	2	(1)	(1)	(1)	(1)		(1)		(1)	(1)	(1)	(1)	(1)
Foundation.....	1	(1)		(1)			(1)		(1)			(1)	(1)
Central station, light and power plant.....	1	(1)	(1)	(1)	(1)		(1)	(1)	(1)	(1)		(1)	(1)
Oil and natural gas pipe line.....	1	(1)	(1)	(1)	(1)		(1)	(1)	(1)	(1)	(1)	(1)	(1)
Subcontractors.....	249	18,954,844	352,000	4,075,425	8,803,700	339,773	879,886	173,180	141,606	90,502	22,588	114,553	1,521,322
Concreting.....	7	632,778	28,000	173,426	286,274	15,668	15,206	285	410	652	224	4,805	14,088
Electrical.....	35	2,220,329		630,183	1,063,779	25,014	149,819	1,546	28,065	10,401	4,568	8,908	154,522
Elevator construction.....	1												
Heating and plumbing.....	109	7,851,439	174,000	1,807,940	4,185,276	166,957	325,229	22,125	68,237	30,787	12,519	24,061	495,024
Heating and piping.....	24	2,004,080	59,000	873,958	1,172,172	29,671	93,304	20,300	13,248	3,729	3,863	4,025	84,532
Plumbing.....	55	3,718,631	22,000	866,335	2,036,524	87,686	130,000	25	20,212	18,737	5,171	13,043	244,892
Plumbing and heating combined.....	28												
Automatic temperature control.....	2	2,128,728	93,000	467,647	976,580	52,600	95,925	1,800	26,167	8,321	3,485	6,093	156,200
Masonry.....	13	813,902	19,000	275,201	344,493	18,267	18,520	531	320	4,417	450	8,550	12,400
Painting and decorating.....	16	829,189	2,000	416,983	174,918	40,011	48,749	1,500	10,424	1,039	1,095	7,918	65,244
Glass and glazing.....	3	289,402		43,495	183,779	9,693	9,693		2,452			1,530	16,783
Plastering and lathing.....	11	501,023	7,000	242,796	159,348	5,800	6,440	1,355	1,900	2,210	42	4,850	11,883
Roofing and sheet-metal work.....	25	2,142,134	25,000	450,889	1,052,286	24,271	136,269	6	10,951	15,914	1,314	16,089	200,160
Roofing.....	12	1,157,136		209,579	630,427	3,000	91,087	6	4,610	14,122	614	11,010	117,892
Sheet-metal work.....	12												
Roofing and sheet metal combined.....	1	984,998	25,000	241,310	421,859	21,271	45,182		6,341	1,792	700	5,079	82,268
Steel erection.....	6	1,045,818		114,799	734,193		37,741		5,993	2,154		13,029	39,459
Marble and tiling.....	12	1,023,607		288,122	443,020	23,470	49,404	560	11,278	3,567		5,916	90,066
Excavating.....	2	(1)	(1)	(1)	(1)		(1)	(1)	(1)	(1)	(1)	(1)	(1)
Ornamental iron.....	1	(1)		(1)			(1)		(1)			(1)	(1)
Highway.....	2	(1)		(1)			(1)		(1)			(1)	(1)
Bridge and culvert.....	2	(1)		(1)			(1)		(1)			(1)	(1)
Street paving.....	1	(1)		(1)			(1)		(1)			(1)	(1)
Metal work, n. e. s.....	2	(1)		(1)			(1)		(1)			(1)	(1)
Rental of equipment, trucking, etc.....	1	(1)		(1)			(1)		(1)			(1)	(1)

PACIFIC

All classes of establishments.....	2,921	Dollars 467,533,494	Dollars 108,857,000	Dollars 101,083,834	Dollars 161,639,829	Dollars 3,560,792	Dollars 18,973,093	Dollars 2,728,401	Dollars 1,749,518	Dollars 2,446,790	Dollars 2,285,203	Dollars 4,629,951	Dollars 28,499,854
Operative builders.....	60	8,825,935	6,163,000	638,183	1,294,770	23,240	215,716	641	14,240	149,828	6,761	20,358	179,789
General contractors.....	1,523	320,980,785	99,271,000	64,196,591	94,433,208	1,693,928	11,335,692	2,180,694	723,256	1,702,583	2,076,161	3,598,926	19,203,123
Building.....	1,078	194,240,030	86,793,000	34,403,230	48,698,659	1,120,041	5,910,650	208,494	406,334	681,434	698,934	1,329,261	3,695,011
Building not specialized.....	744	168,355,213	69,868,000	28,765,625	39,880,043	886,743	4,889,839	173,548	313,265	513,524	651,725	1,126,610	2,883,432
Commercial building only.....	57	9,535,035	4,058,000	1,903,011	2,289,042	35,912	368,967	12,366	34,489	42,449	25,614	67,147	240,156
Manufacturing building only.....	12	5,042,074	1,447,000	833,974	1,005,694	19,144	211,676	14,321	6,849	1,719	1,889	31,025	172,902
Residential building only.....	265	21,307,708	11,420,000	2,900,626	4,623,880	178,242	440,177	8,259	51,731	123,742	19,706	104,473	398,522
Highway.....	116	31,288,533	3,608,000	6,898,766	11,107,940	125,771	1,272,593	472,082	61,565	290,002	377,692	284,120	4,340,306
Bridge and culvert.....	46	13,248,366	1,631,000	3,757,323	5,100,804	45,000	497,256	77,090	29,175	152,832	397,174	183,170	424,216
Grading.....	41	6,460,157	581,000	1,909,213	260,151	67,899	455,343	170,078	25,519	64,532	64,736	77,464	1,972,016
Street paving.....	109	40,724,347	3,707,000	8,122,761	17,054,577	150,881	1,351,423	882,806	87,008	289,105	277,745	1,273,675	4,544,905
Sewer, gas, water, conduit.....	44	7,051,379	732,000	1,578,876	2,942,239	54,917	165,880	118,598	8,737	71,944	107,282	79,481	592,052
Dam and reservoir.....	22	9,081,961	718,000	2,437,323	3,144,655	20,000	546,582	38,190	28,410	24,871	24,808	115,616	923,869
Waterworks.....	9	2,423,503	513,000	608,037	613,768	35,400	130,608	30,834	5,083	8,164	40,710	29,253	232,404

See footnote at end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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.				
PACIFIC—Continued													
General contractors—Continued.		Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	
Dredging, river, harbor, etc.	23	10,127,745	835,000	2,687,466	3,010,323	690,620	94,947	36,205	69,320	52,406	164,000	1,550,169	
Levees	2	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	
Railroad	7	1,600,015	28,000	532,442	345,220	120,613	54,205	5,073	4,591	9,848	21,883	427,425	
Foundation	3	142,363	(1)	49,531	55,276	7,911	7,943	110	1,045	421	2,204	13,491	
Central station, light and power plant	15	3,581,896	105,000	750,155	2,013,418	54,188	138,574	15,413	24,654	40,015	19,910	25,688	228,212
Air transport work	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	
Oil and natural gas pipe line	5	676,352	10,000	341,981	(1)	9,418	20,231	5,585	4,003	937	2,223	16,751	216,035
Vehicular subway and tunnel	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	
Telephone line and system	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	
Subcontractors	1,338	137,720,774	3,423,000	36,249,060	65,911,851	1,873,536	7,421,685	547,066	1,012,022	594,379	202,291	1,010,667	10,116,943
Carpentering and wood flooring	49	4,332,839	202,000	1,101,206	1,888,322	76,563	157,703	451	17,284	24,365	7,538	22,807	405,368
Concreting	34	2,571,470	86,000	800,720	975,255	34,079	104,752	73,685	12,318	10,674	7,403	24,894	237,570
Electrical	205	17,078,304	85,000	4,228,185	8,502,065	406,459	1,141,740	2,882	223,092	51,401	33,758	91,955	1,240,805
Elevator construction	8	5,167,692	146,000	763,810	3,320,446	11,323	164,802	(1)	12,233	3,811	643	27,347	99,506
Heating and plumbing	388	42,902,888	1,016,000	9,687,844	23,532,313	477,853	2,365,634	7,123	308,445	173,549	84,341	199,929	2,372,306
Heating and piping	80	8,980,051	352,000	1,998,687	4,589,652	74,912	610,540	425	68,159	31,283	18,001	42,632	502,873
Pipe covering	9	848,908	(1)	246,342	352,901	(1)	94,215	(1)	23,189	3,800	355	5,431	39,821
Plumbing	245	20,030,122	407,000	5,826,092	14,720,228	351,232	1,312,868	6,337	172,543	112,394	40,371	121,588	1,345,040
Plumbing and heating combined	41	5,054,040	194,000	1,190,694	2,748,360	51,730	273,133	301	30,162	20,027	24,628	20,632	230,271
Automatic temperature control	2	2,073,167	3,000	426,020	1,121,070	(1)	174,882	(1)	14,392	5,570	893	9,046	108,385
Automatic sprinkler systems	11	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Masonry	55	4,253,289	59,000	1,542,750	1,938,693	40,621	82,107	4,307	15,245	12,028	3,489	55,613	170,850
Painting and decorating	106	7,401,523	59,000	3,809,254	1,635,705	190,088	444,041	4,055	66,804	32,805	4,859	94,258	565,053
Glass and glazing	24	2,704,082	35,000	404,578	1,054,478	20,610	154,315	(1)	30,030	13,185	302	14,657	100,043
Plastering and lathing	84	8,011,750	590,000	3,802,761	2,078,160	146,718	265,628	12,115	20,069	34,370	11,948	36,760	254,035
Roofing and sheet-metal work	146	11,101,750	177,000	2,635,438	5,541,195	208,223	713,383	65,253	107,974	52,930	3,105	101,203	1,017,747
Roofing	79	5,830,871	40,000	1,168,923	3,143,163	109,858	327,003	1,133	55,798	25,468	947	63,812	587,702
Sheet-metal work	64	5,004,865	137,000	1,397,957	2,276,089	98,365	350,347	60,100	50,316	25,681	2,159	35,585	407,274
Roofing and sheet metal combined	3	260,014	(1)	88,558	121,343	(1)	36,033	4,020	1,800	781	(1)	1,800	22,771
Steel erection	27	8,715,613	538,000	1,593,801	5,139,276	14,225	439,939	20,417	23,711	29,809	10,469	125,405	570,712
Stonework	8	854,974	(1)	269,620	375,640	8,000	55,418	10	4,328	6,583	(1)	5,380	75,752
Marble and tiling	98	11,218,161	107,000	2,959,802	5,013,440	122,300	713,122	1,604	72,453	40,255	3,461	45,042	1,075,050
Wrecking	3	182,330	1,000	73,737	(1)	7,200	11,279	5,771	6,809	1,228	50	3,212	24,523
Excavating	27	2,730,990	143,000	704,851	60,801	26,239	155,297	304,039	20,251	26,547	10,244	36,036	652,373
Ornamental iron	25	2,135,222	24,000	558,604	956,465	11,108	198,014	60	21,230	5,308	2,024	16,593	200,710
Highway	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Bridges and culvert	1	619,080	6,000	169,759	31,755	3,600	23,220	27,024	1,400	7,414	2,027	8,600	220,327
Grading	5	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Street paving	3	622,881	31,000	145,510	210,201	6,500	15,500	10,615	120	2,800	4,858	10,797	37,663
Sewer, gas, water, conduit	2	230,087	2,000	61,612	115,552	11,001	11,265	4,372	225	3,392	3,762	2,643	21,354
Waterworks	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Dredging, river, harbor, etc.	4	403,503	(1)	166,188	153,530	4,200	52,820	574	1,440	2,787	1,448	15,037	54,511
Soundproofing	4	590,520	15,000	104,115	300,217	6,000	31,133	(1)	3,140	45	(1)	2,560	34,901
Power plant	2	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Metal work, n. e. s.	10	1,426,425	4,000	234,704	803,174	9,115	65,531	50	10,707	11,681	226	9,132	104,657
Rental of equipment, trucking, etc.	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Flooring, n. e. s.	17	1,066,934	7,000	242,658	587,373	14,394	52,781	100	18,390	1,578	750	3,771	85,736

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

CONSTRUCTION—UNITED STATES SUMMARY

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

KIND OF MATERIAL	COST OF MATERIALS REPORTED BY—					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		
	UNITED STATES					NEW ENGLAND				
All kinds of material.....	\$2,055,595,482		\$428.72	\$1,211,289,427	\$844,306,055	\$144,370,252		\$390.00	\$80,768,065	\$57,018,187
Distribution not reported.....	482,630,603	23.5		337,652,253	144,978,350	30,907,273	25.0		24,483,339	12,483,934
Distributed by kind.....	1,572,964,879	100.0		873,637,174	699,327,705	107,408,970	100.0		62,274,726	45,134,253
Sand, gravel, stone, slag, cinders, etc.....	164,323,947	10.4	44.70	150,007,079	14,316,868	9,029,947	8.4	32.79	8,540,507	483,880
Brick (face, common, fire, paving, etc.).....	65,058,116	4.1	17.73	52,039,724	13,018,392	4,979,788	4.6	18.08	4,600,148	373,040
Tile (fireproofing).....	13,019,175	.8	3.55	7,300,070	5,719,105	6,233,050	.5	1.90	473,163	50,787
Tile, facing, terra cotta, floor, and wall.....	28,132,505	1.8	7.67	7,887,160	20,245,336	1,806,919	1.7	6.56	500,984	1,306,985
Concrete and cinder block.....	11,550,009	.7	3.15	9,903,699	1,646,310	795,417	.7	2.89	730,801	58,010
Cut stone, granite and marble.....	43,809,635	2.8	11.94	21,713,696	22,095,939	2,975,383	2.8	10.80	308,476	863,415
Riprap, rubble, etc.....	5,245,673	.3	1.43	4,303,994	941,679	394,450	.4	1.43	2,121,968	25,980
Cement.....	140,683,536	8.9	38.34	127,904,366	12,689,170	7,574,247	7.1	27.50	6,956,211	618,036
Lime.....	6,536,705	.4	1.78	3,975,700	2,561,005	618,949	.6	2.25	514,013	104,933
Plaster, etc.....	14,969,326	1.0	4.08	6,206,863	8,762,463	923,148	.9	3.35	610,025	307,123
Structural steel.....	128,053,585	8.1	34.90	64,872,790	63,180,795	6,887,072	6.4	25.01	4,498,460	2,388,600
Reinforcing steel.....	47,120,319	3.0	12.84	43,071,287	4,055,032	1,837,047	1.7	6.07	1,709,434	127,013
Cast iron, miscellaneous, excluding pipe.....	8,599,523	.5	2.35	6,094,837	1,904,686	700,570	.7	2.54	487,050	212,611
Metal doors, windows, and trim.....	17,508,830	1.1	4.77	6,324,606	11,184,234	718,733	.7	2.61	583,607	134,820
Metal and wire lath and furring.....	6,238,581	.4	1.70	2,275,304	3,963,277	364,720	.3	1.38	206,081	168,690
Ornamental metal work.....	14,833,253	.9	4.04	3,362,974	11,470,279	678,225	.6	2.46	100,807	877,358
Lumber, rough and finished.....	116,750,865	7.4	31.82	107,040,006	9,701,859	11,822,174	11.0	42.93	11,550,510	202,664
Lath, shingles, and shakes (wood).....	4,373,247	.3	1.10	2,970,624	1,396,623	472,087	.4	1.72	431,472	40,615
Millwork.....	47,008,170	3.0	12.81	43,892,678	3,116,492	3,485,848	3.2	12.66	3,419,879	65,960
Composition board.....	8,131,702	.5	2.22	3,805,121	4,326,581	472,077	.4	1.72	419,090	52,387
Waterproofing materials.....	3,840,284	.2	1.05	2,110,707	1,723,517	205,633	.2	.75	144,613	61,320
Hardware, rough and finished.....	18,112,097	1.2	4.93	10,730,871	1,408,226	1,337,394	1.2	4.86	1,303,090	34,298
Paints, varnishes, glass.....	33,614,058	2.1	9.16	6,994,135	26,619,923	3,140,271	2.9	11.42	617,187	2,584,104
Roofing and sheet metal.....	56,036,925	3.6	15.27	6,933,787	49,102,138	4,578,585	4.3	16.03	532,481	4,040,104
Finished flooring (other than cement, wood, or tile).....	7,027,319	.4	1.92	3,487,846	3,539,473	397,508	.4	1.44	372,613	24,805
Screens, shades, awnings, etc.....	2,325,900	.1	.63	1,100,732	1,225,168	180,497	.2	.66	123,888	56,609
Heating and ventilating equipment.....	125,122,220	8.0	34.10	10,636,162	114,486,058	11,155,766	10.4	40.51	440,750	10,700,010
Plumbing and gas-fitting equipment.....	180,987,637	8.3	35.70	10,796,385	120,191,252	9,400,818	8.8	34.13	307,001	9,033,217
Electrical appliances and supplies.....	99,455,264	6.3	27.11	16,035,909	83,419,365	8,110,943	7.6	29.46	1,749,130	6,301,807
Elevators, dumb-waiters, and equipment.....	51,552,310	3.3	14.05	1,798,368	40,753,942	2,519,052	2.3	9.15	41,428	2,477,624
Pipe: Drain tile, vitrified, concrete, segment tile, corrugated.....	20,344,184	1.3	5.54	18,900,010	1,444,174	596,630	.6	2.16	625,010	71,614
Pipe: Cast iron, sheet and tube steel, etc.....	33,214,729	2.1	9.05	25,090,118	8,115,611	2,217,380	2.1	8.05	1,338,772	878,608
Wire cable, guards, and fencing.....	3,332,661	.2	.91	2,689,713	642,948	330,635	.3	1.20	274,798	55,837
Bituminous paving materials, tar, asphalt, and oil.....	25,202,335	1.6	6.87	23,009,185	1,593,150	1,597,708	1.5	5.89	1,547,391	50,407
Wood piling and timber.....	5,717,395	.4	1.56	5,411,827	305,568	230,920	.2	.84	123,888	19,785
Ready mixed concrete.....	3,023,870	.2	.82	2,806,487	127,383	138,244	.1	.50	138,244	---
Machinery.....	18,766,994	1.2	5.11	18,410,061	355,933	2,017,082	2.4	9.50	2,584,692	32,400
Freight, hauling or trucking to job.....	4,287,456	.3	1.17	3,970,468	316,988	288,435	.3	1.05	281,314	7,121
Cast forms, beads, etc.....	9,542	(⁹)	(⁹)	933	8,609	150	(⁹)	(⁹)	150	---
Chemicals and chemical products.....	228,294	(⁹)	.06	188,498	39,796	2,113	(⁹)	.01	1,073	1,040
Metal products, n. e. s. (including metal furniture).....	19,451,852	1.2	5.30	4,110,867	15,340,985	383,436	.4	1.39	25,381	358,055
Mineral products (nonmetallic), n. e. s.....	1,447,048	.1	.39	1,107,294	339,754	75,615	.1	.27	72,205	3,320
Sealing materials.....	338,647	(⁹)	.09	252,703	85,944	12,863	(⁹)	.05	11,162	1,701
Textiles and caulking materials.....	354,890	(⁹)	.10	55,212	296,678	2,427	(⁹)	.01	2,312	115
Miscellaneous.....	17,219,266	1.1	4.69	14,070,259	2,549,007	821,717	.8	2.98	701,591	120,126
	MIDDLE ATLANTIC					EAST NORTH CENTRAL				
All kinds of material.....	\$658,850,563		\$409.49	\$357,048,709	\$301,201,854	\$542,727,916		\$443.16	\$302,232,155	\$240,405,761
Distribution not reported.....	161,059,062	24.4		108,970,436	52,082,626	112,282,014	20.7		75,884,247	36,897,707
Distributed by kind.....	497,791,501	100.0		248,072,273	249,119,228	430,445,902	100.0		226,347,908	203,507,994
Sand, gravel, stone, slag, cinders, etc.....	41,307,546	8.3	33.98	35,398,046	5,909,500	46,014,145	10.7	47.37	41,051,179	4,362,906
Brick (face, common, fire, paving, etc.).....	20,870,287	4.2	17.17	15,045,618	5,824,669	20,581,628	4.8	21.19	17,662,295	2,910,233
Tile (fireproofing).....	4,088,091	.8	3.36	2,531,233	1,567,858	5,342,742	1.2	5.50	2,283,942	3,058,800
Tile, facing, terra cotta, floor, and wall.....	9,898,279	2.0	8.14	2,488,208	7,409,481	6,678,366	1.6	6.87	1,791,431	4,886,935
Concrete and cinder block.....	4,095,661	.8	3.37	3,440,542	646,119	2,830,681	.7	2.92	2,149,136	681,545
Cut stone, granite and marble.....	16,933,028	3.4	13.03	9,982,296	9,950,732	10,369,718	2.4	10.68	6,437,332	3,932,386
Riprap, rubble, etc.....	1,237,280	.2	1.02	1,138,818	98,462	984,392	.2	1.01	930,139	54,253
Cement.....	36,126,318	7.3	29.72	31,003,266	5,123,052	36,206,315	8.4	37.27	33,137,032	3,069,283
Lime.....	2,222,667	.4	1.83	1,209,760	1,012,917	1,894,955	.4	1.92	1,047,968	846,897
Plaster, etc.....	4,042,902	.8	3.33	1,450,961	2,582,941	5,073,330	1.2	5.22	1,711,006	3,362,324
Structural steel.....	56,115,999	11.3	46.19	27,284,628	28,831,371	26,406,970	6.1	27.19	15,483,054	10,923,916
Reinforcing steel.....	11,609,521	2.3	9.55	10,171,906	1,437,615	14,424,378	3.4	14.85	13,871,614	552,764
Cast iron, miscellaneous, excluding pipe.....	4,819,481	1.0	3.90	4,320,046	489,435	1,513,973	.4	1.56	777,674	736,299
Metal doors, windows, and trim.....	3,288,667	.7	2.71	1,509,099	1,778,968	6,794,518	1.6	6.99	1,568,070	5,236,448
Metal and wire lath and furring.....	2,069,281	.4	1.70	506,534	1,488,747	1,589,658	.4	1.64	560,455	1,029,203
Ornamental metal work.....	6,433,221	1.3	5.29	714,463	5,718,756	3,077,807	.9	3.78	963,007	2,714,800
Lumber, rough and finished.....	30,236,589	6.1	24.87	25,939,443	4,297,146	29,478,326	6.8	30.35	26,935,433	2,542,893
Lath, shingles, and shakes (wood).....	1,082,265	.2	.89	791,274	290,991	1,473,449	.3	1.52	740,912	732,537
Millwork.....	11,685,191	2.3	9.61	10,508,361	1,176,830	13,543,888	3.1	13.94	11,761,387	1,782,501
Composition board.....	2,796,188	.6	2.30	1,248,076	1,548,112	2,409,200	.6	2.48	988,820	1,470,380
Waterproofing materials.....	1,589,828	.3	1.31	780,901	808,937	782,375	.2	.81	408,380	373,995
Hardware, rough and finished.....	6,156,038	1.0	4.24	4,572,514	582,524	4,403,206	1.0	4.53	3,964,246	438,960
Paints, varnishes, glass.....	9,966,751	2.0	8.20	1,795,662	8,171,089	9,748,059	2.3	10.03	1,772,628	7,970,431

See footnotes at end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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

KIND OF MATERIAL	COST OF MATERIALS REPORTED BY —					COST OF MATERIALS REPORTED BY —				
	All classes of establishments			General contractors ¹	Subcontractors	All classes of establishments			General contractors ²	Subcontractors
	Amount	Per cent distribution	Per \$1,000 construction work done ¹			Amount	Per cent distribution	Per \$1,000 construction work done ¹		
MIDDLE ATLANTIC—Continued										
Distributed by kind—Continued.										
Roofing and sheet metal	\$10,401,027	3.3	\$13.57	\$1,052,475	\$14,839,152	\$16,144,966	3.8	\$16.62	\$1,500,684	\$14,584,282
Finished flooring (other than cement, wood, or tile)	2,213,715	.4	1.82	761,010	1,452,696	2,221,704	.5	2.29	609,804	1,221,900
Screens, shades, awnings, etc.	535,281	.1	1.44	203,853	331,428	815,365	.2	.84	203,102	552,263
Heating and ventilating equipment	42,049,684	8.6	35.09	4,603,692	38,045,892	43,103,029	10.0	44.47	2,282,284	40,911,045
Plumbing and gas-fitting equipment	47,378,364	9.5	38.98	4,830,973	42,547,391	35,008,975	8.1	36.04	2,170,753	32,838,222
Electrical appliances and supplies	30,139,568	6.1	24.79	3,709,356	26,430,212	25,846,066	6.0	26.61	2,085,297	23,760,769
Elevators, dumb-waiters, and equipment	22,026,336	4.4	18.12	247,050	21,779,286	14,748,454	3.4	15.18	289,219	14,459,235
Pipe: Drain tile, vitrified, concrete, segment tile, corrugated	4,790,797	1.0	3.94	4,346,705	444,092	7,013,727	1.6	7.22	6,550,657	463,070
Pipe: Cast iron, sheet and tube steel, etc.	12,827,072	2.6	10.55	10,008,942	2,818,130	7,523,808	1.7	7.75	4,813,392	2,710,416
Wire cable, guards, and fencing	1,294,213	.3	1.06	982,892	311,321	404,005	.1	.42	313,349	90,656
Bituminous paving materials, tar, asphalt, and oil	5,809,465	1.2	4.78	5,500,371	309,094	6,805,952	1.6	7.07	6,131,663	734,289
Wood piling and timber	1,383,250	.3	1.14	1,317,855	65,395	408,150	.1	.51	440,676	48,474
Ready-mixed concrete	1,292,508	.3	1.06	1,251,486	41,022	424,024	.1	.44	424,024	—
Machinery	8,807,262	1.8	7.29	8,769,379	37,883	8,389,042	.8	3.49	3,208,953	180,089
Freight, hauling or trucking to job	1,030,016	.2	.85	955,925	74,091	799,899	.2	.82	603,028	106,871
Cast forms, beads, etc.	1,784	(⁵)	(⁵)	642	1,142	1,600	(⁵)	(⁵)	144	1,456
Chemicals and chemical products	34,381	(⁵)	.03	25,050	8,731	104,642	(⁵)	.11	81,224	23,418
Metal products, n. e. s. (including metal furniture)	4,572,294	.9	3.76	2,536,316	2,035,978	6,605,310	1.5	6.80	967,917	5,637,393
Mineral products (nonmetallic), n. e. s.	926,233	.2	.79	769,030	157,203	230,438	.1	.24	179,963	50,475
Sealing materials	113,772	(⁵)	.00	109,272	13,500	175,142	(⁵)	.18	110,838	64,304
Textiles and caulking materials	47,347	(⁵)	.04	32,155	15,191	151,434	(⁵)	.16	10,817	134,617
Miscellaneous	5,696,055	1.1	4.68	5,132,209	563,846	6,001,701	1.4	6.24	4,718,333	1,343,368
WEST NORTH CENTRAL										
All kind of material	\$100,142,906		\$435.71	\$115,860,757	\$44,282,149	\$152,128,298		\$449.77	\$94,590,658	\$57,528,640
Distribution not reported	35,929,301	22.4		27,770,297	8,159,004	43,106,820	28.3		32,235,461	10,871,369
Distributed by kind	124,213,605	100.0		88,090,460	30,123,145	100,021,478	100.0		62,364,197	46,667,281
Sand, gravel, stone, slag, cinders, etc.	16,631,161	13.4	58.34	15,866,304	764,767	14,484,029	13.3	59.75	13,623,893	860,136
Brick (face, common, fire, paving, etc.)	4,352,024	3.5	15.27	3,733,863	618,171	5,420,138	5.0	22.40	4,141,716	1,278,422
Tile (fireproofing)	842,009	.7	2.95	662,608	179,401	858,623	.8	3.64	396,807	461,816
Tile, facing, terra cotta, floor, and wall	1,776,282	1.4	6.23	808,968	966,314	1,959,705	1.8	8.00	603,134	1,356,571
Concrete and cinder block	883,681	.7	3.20	844,462	39,119	1,303,744	1.2	5.38	1,194,826	108,918
Cut stone, granite and marble	3,091,989	2.5	10.84	1,984,059	1,107,930	2,979,507	2.7	12.20	1,806,858	1,172,649
Riprap, rubble, etc.	927,830	.7	3.25	897,311	30,525	367,910	.3	1.62	141,668	226,242
Cement	15,298,333	12.3	53.00	14,533,863	764,470	11,800,703	10.8	48.68	10,040,151	1,760,552
Lime	322,990	.3	1.13	259,042	63,948	587,604	.6	2.42	360,080	227,524
Plaster, etc.	819,640	.7	2.88	593,505	226,045	1,111,956	1.0	4.69	605,087	606,869
Structural steel	10,853,612	8.3	36.32	7,030,126	3,823,486	8,105,345	7.4	33.44	3,390,891	4,714,454
Reinforcing steel	6,199,122	5.0	21.75	5,671,314	527,808	2,867,001	2.6	11.83	2,581,606	285,395
Cast-iron, miscellaneous, excluding pipe	380,787	.3	1.36	212,307	174,480	163,656	.2	.67	133,599	30,057
Metal doors, windows, and trim	1,209,310	1.0	4.24	832,420	376,890	3,498,917	3.2	14.43	625,757	2,873,160
Metal and wire lath and furring	510,302	.4	1.79	293,042	217,260	308,435	.3	1.52	181,844	186,591
Ornamental metal work	1,913,601	1.5	6.71	666,662	1,247,939	360,791	.3	1.40	211,967	148,824
Lumber, rough and finished	9,192,046	7.4	32.24	8,870,434	321,612	8,833,588	8.1	36.44	8,475,631	358,957
Lath, shingles, and shakes (wood)	289,369	.2	1.02	264,690	24,679	287,688	.3	1.19	214,659	73,029
Millwork	3,750,513	3.0	13.15	3,729,678	20,835	4,000,605	3.7	16.61	3,997,133	38,467
Composition board	827,686	.7	2.90	298,435	529,250	608,348	.5	2.10	187,292	321,056
Waterproofing materials	605,810	.4	1.77	369,775	136,035	315,593	.3	1.30	133,583	182,005
Hardware, rough and finished	1,525,826	1.2	5.35	1,461,786	64,040	1,467,932	1.3	6.05	1,387,305	80,627
Paints, varnishes, glass	1,887,653	1.5	6.62	647,876	1,239,777	1,923,075	1.8	7.93	730,266	1,192,809
Roofing and sheet metal	3,695,789	3.0	12.96	852,492	2,843,297	4,213,886	3.9	17.38	793,021	3,420,865
Finished flooring (other than cement, wood, or tile)	485,638	.4	1.70	408,872	76,766	509,417	.5	2.10	289,846	219,571
Screens, shades, awnings, etc.	179,141	.1	.63	96,898	82,243	160,578	.1	.66	110,744	49,834
Heating and ventilating equipment	6,267,118	5.0	21.95	859,636	5,397,482	8,420,797	7.7	34.74	353,055	8,067,742
Plumbing and gas-fitting equipment	7,444,991	6.0	26.12	744,340	6,700,651	7,510,288	6.9	30.98	490,614	7,019,674
Electrical appliances and supplies	6,728,560	5.4	23.60	2,168,668	4,569,902	6,238,813	5.7	25.74	381,038	5,857,775
Elevators, dumb-waiters, and equipment	2,708,424	2.2	9.50	837,608	1,870,810	2,615,196	2.4	10.79	83,859	2,531,337
Pipe: Drain tile, vitrified, concrete, segment tile, corrugated	1,427,113	1.1	5.01	1,291,595	135,518	703,368	.6	2.90	628,372	74,996
Pipe: Cast-iron, sheet and tube steel, etc.	4,958,977	4.0	17.39	4,606,691	352,286	965,421	.9	3.98	705,308	260,113
Wire cable, guards and fencing	314,075	.3	1.10	292,160	21,915	78,320	.1	.32	72,595	6,725
Bituminous paving materials, tar, asphalt, and oil	1,095,586	.9	3.84	1,061,603	33,983	1,847,700	1.7	7.62	1,687,235	160,465
Wood piling and timber	1,847,205	1.1	4.73	1,305,705	541,500	438,525	.4	1.89	451,428	7,097
Ready-mixed concrete	512,044	.4	1.80	448,576	63,468	75,917	.1	.31	61,523	14,394
Machinery	847,681	.7	2.97	847,681	—	5,562	(⁵)	.02	5,562	—
Freight, hauling or trucking to job	559,969	.5	1.97	547,132	12,837	371,863	.3	1.53	345,272	26,591
Cast forms, beads, etc.	5,918	(⁵)	.02	—	5,918	—	(⁵)	.04	9,606	—
Chemicals and chemical products	29,490	(⁵)	.10	29,119	3,771	9,606	(⁵)	.04	—	—
Metal products, n. e. s. (including metal furniture)	1,149,733	.9	4.03	312,196	837,537	146,797	.1	.61	108,983	37,814
Mineral products (nonmetallic), n. e. s.	66,626	.1	.24	26,503	40,123	6,703	(⁵)	.03	3,703	3,000
Sealing materials	1,446	(⁵)	.01	896	550	15,593	(⁵)	.08	14,827	786
Textiles and caulking materials	6,317	(⁵)	.02	1,133	5,184	—	(⁵)	.08	—	—
Miscellaneous	895,832	.7	3.14	832,276	63,556	1,083,675	1.0	4.47	932,543	151,132

See footnotes at end of table.

CONSTRUCTION—UNITED STATES SUMMARY

TABLE 9.—COST OF MATERIALS FURNISHED AND USED BY REPORTING ESTABLISHMENTS DURING 1920, BY KIND—Continued

KIND OF MATERIAL	COST OF MATERIALS REPORTED BY—					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		
EAST SOUTH CENTRAL										
All kinds of material.....	\$62,133,334		\$453.20	\$41,654,746	\$20,478,588	\$118,364,854		\$460.83	\$83,070,174	\$34,388,680
Distribution not reported.....	10,571,063	17.0		7,673,622	2,897,441	36,878,038	31.2		29,274,583	7,003,455
Distributed by kind.....	51,562,271	100.0		33,981,124	17,581,147	81,486,816	100.0		54,791,591	20,785,225
Sand, gravel, stone, slag, cinders, etc.....	6,390,266	12.4	56.17	6,006,400	293,857	11,463,709	14.1	64.77	11,063,276	390,433
Brick (face, common, fire, paving, etc.).....	1,964,507	3.8	17.27	1,013,539	351,028	2,879,770	3.5	16.29	2,772,426	107,344
Tile (fireproofing).....	184,540	.4	1.62	139,737	44,812	555,217	.7	3.14	497,700	57,517
Tile, facing, terra cotta, floor, and wall.....	584,119	1.1	5.13	254,744	329,375	1,378,474	1.7	7.80	574,411	804,063
Concrete and cinder block.....	238,811	.5	2.10	236,206	2,005	282,422	.3	1.31	216,040	16,382
Cut stone, granite and marble.....	3,088,421	6.0	27.15	851,300	2,237,001	2,270,463	2.8	12.84	1,498,477	771,986
Riprap, rubble, etc.....	507,085	1.0	4.45	24,486	482,599	66,171	.1	.54	95,848	323
Cement.....	4,978,088	9.7	43.76	4,675,260	302,828	10,009,298	12.3	56.00	9,661,491	347,807
Lime.....	137,000	.3	1.21	100,136	36,864	208,807	.3	1.52	260,892	17,915
Plaster, etc.....	601,997	1.2	5.20	310,840	290,851	641,358	.8	3.03	380,332	261,026
Structural steel.....	4,538,023	8.8	39.90	1,597,703	2,941,100	4,840,612	5.9	27.37	2,918,473	1,922,139
Reinforcing steel.....	1,438,720	2.8	12.64	1,393,121	45,599	3,972,768	4.9	22.47	3,412,270	560,498
Cast iron, miscellaneous, excluding pipe.....	185,039	.4	1.63	161,878	23,161	196,193	.2	1.11	161,555	4,608
Metal doors, windows, and trim.....	394,733	.8	3.47	232,809	161,878	632,093	.8	3.58	412,066	219,097
Metal and wire lath and furring.....	126,151	.3	1.11	57,471	68,680	385,168	.5	2.17	177,287	205,871
Ornamental metal work.....	429,705	.8	3.73	163,495	266,210	287,270	.3	1.46	108,401	88,809
Lumber, rough and finished.....	3,181,417	6.2	27.06	3,007,884	113,533	6,582,890	8.1	37.23	6,555,947	26,482
Lath, shingles, and shakes (wood).....	119,760	.2	1.05	92,274	27,486	220,903	.3	1.28	187,123	69,780
Millwork.....	1,674,504	3.2	14.72	1,008,167	6,427	2,735,248	3.4	15.47	2,735,248	
Composition board.....	170,461	.3	1.58	112,202	58,259	334,522	.4	1.89	242,683	91,839
Waterproofing materials.....	59,499	.1	.52	43,021	16,478	121,087	.1	.69	52,509	38,618
Hardware, rough and finished.....	481,065	.9	4.24	404,410	17,676	1,093,991	1.3	6.13	1,072,428	11,563
Paints, varnishes, glass.....	1,080,832	2.1	9.50	245,119	835,713	1,031,001	1.3	5.83	481,896	549,135
Roofing and sheet metal.....	2,003,742	4.1	18.40	425,320	1,578,422	2,017,487	2.6	16.50	370,750	2,540,707
Finished flooring (other than cement, wood, or tile).....	162,020	.3	1.42	135,134	26,886	189,001	.2	1.07	170,998	0,000
Screens, shades, awnings, etc.....	69,241	.1	.61	33,790	35,452	114,005	.1	.65	100,132	5,473
Heating and ventilating equipment.....	2,779,810	5.4	24.43	1,070,898	1,708,912	2,245,458	2.8	12.70	202,007	2,042,551
Plumbing and gas fitting equipment.....	2,694,903	5.0	22.81	2,200,960	2,373,943	5,430,248	6.7	30.71	407,700	5,022,468
Electrical appliances and supplies.....	5,191,361	10.1	45.63	3,218,775	1,972,586	4,825,330	5.9	27.29	626,545	4,194,784
Elevators, dumb-waiters, and equipment.....	550,007	1.1	4.84	25,132	524,875	2,264,850	2.8	12.81	27,775	2,237,075
Pipe: Drain tile, vitrified, concrete, segment tile, corrugated.....	725,007	1.4	6.37	685,629	39,408	871,142	1.1	4.93	796,310	74,823
Pipe: Cast-iron, sheet and tube steel, etc.....	758,493	1.5	6.67	654,954	103,539	1,706,127	2.1	9.65	1,364,379	341,748
Wire cable, guards, and fencing.....	23,971	(⁰)	.21	21,071	2,900	600,625	.7	3.40	592,425	8,200
Bituminous paving materials, tar, asphalt, and oil.....	1,648,815	3.0	13.61	1,445,167	103,648	1,535,235	1.9	8.68	1,515,266	19,969
Wood piling and timber.....	31,376	.1	.28	31,376		1,110,950	1.4	6.33	1,106,090	12,954
Ready mixed concrete.....	172,141	.3	1.51	172,141		17,868	(⁰)	.10	17,868	
Machinery.....	1,605,405	3.1	14.11	1,600,000	5,405	327,804	.4	1.85	327,804	
Freight, hauling or trucking to job.....	159,952	.3	1.40	135,323	24,629	451,436	.6	2.55	434,473	16,963
Chemicals and chemical products.....	12,260	(⁰)	.11	12,260		20,020	(⁰)	.15	20,020	
Metal products, n. e. s. (including metal furniture).....	105,662	.2	.92	36,031	69,631	3,748,507	4.6	21.20	95,105	3,653,402
Mineral products (nonmetallic) n. e. s.....	2,413	(⁰)	.02	2,413		8,188	(⁰)	.05	2,372	5,816
Sealing materials.....	500	(⁰)	(⁰)	500		5,310	(⁰)	.08	5,310	
Textile and caulking materials.....	15,938	(⁰)	.14	4,587	11,351	563	(⁰)	.03	563	
Miscellaneous.....	400,276	.8	3.52	386,302	13,974	898,149	1.1	5.08	806,865	31,284
MOUNTAIN										
All kinds of material.....	\$29,218,467		\$393.70	\$18,876,440	\$10,342,027	\$187,652,892		\$450.00	\$109,682,723	\$77,970,169
Distribution not reported.....	8,048,324	30.6		6,251,352	2,096,972	30,883,708	19.7		25,602,916	11,285,792
Distributed by kind.....	20,270,143	100.0		12,625,088	7,645,055	160,769,184	100.0		84,079,807	66,684,377
Sand, gravel, stone, slag, cinders, etc.....	1,884,536	9.3	36.61	1,744,599	139,937	17,128,008	11.4	51.12	16,110,710	1,011,892
Brick (face, common, fire, paving, etc.).....	890,253	4.4	17.20	648,013	242,240	3,110,701	2.1	9.28	1,816,110	1,294,646
Tile (fireproofing).....	63,679	.5	1.82	50,322	48,347	629,655	.4	1.58	264,548	265,107
Tile, facing, terra cotta, floor, and wall.....	463,509	2.3	9.01	142,773	320,732	3,587,762	2.4	10.71	822,420	2,765,346
Concrete and cinder block.....	94,400	.5	1.83	92,877	1,523	1,075,292	.7	3.21	984,119	61,173
Cut stone, granite and marble.....	124,402	.6	2.42	65,772	58,630	1,070,724	1.3	5.90	466,574	1,511,150
Riprap, rubble, etc.....	34,553	.2	.67	34,553		695,990	.5	2.08	672,795	23,195
Cement.....	1,967,814	9.7	38.23	1,772,890	194,924	16,722,420	11.1	40.91	15,614,212	1,108,208
Lime.....	97,449	.5	1.80	68,390	29,059	386,924	.3	1.16	165,429	221,495
Plaster, etc.....	250,223	1.2	4.80	177,767	72,456	1,605,072	1.0	4.49	453,244	1,052,828
Structural steel.....	1,706,574	8.4	33.15	837,616	868,958	9,098,478	6.0	27.16	1,831,773	7,266,705
Reinforcing steel.....	492,679	2.4	9.57	452,677	40,002	4,285,683	2.8	12.79	3,807,345	477,338
Cast iron, miscellaneous, excluding pipe.....	21,895	.1	.49	19,092	2,803	611,929	.4	1.83	381,007	230,922
Metal doors, windows, and trim.....	200,005	1.0	3.89	104,955	5,050	772,454	.5	2.30	414,823	357,631
Metal and wire lath and furring.....	75,810	.4	1.47	48,407	27,403	751,066	.5	2.24	170,183	580,883
Ornamental metal work.....	118,031	.6	2.29	54,477	63,554	670,602	.6	2.90	320,575	650,027
Lumber, rough and finished.....	2,380,387	11.7	46.24	2,351,082	29,305	15,043,030	10.0	44.90	13,298,742	1,750,107
Lath, shingles, and shakes (wood).....	107,791	.5	2.09	93,905	13,886	313,935	.2	.94	190,815	123,020
Millwork.....	804,385	4.0	15.62	804,385		5,327,898	3.5	15.00	5,298,455	29,403
Composition board.....	89,567	.4	1.74	64,442	24,925	614,654	.8	1.53	293,281	221,373
Waterproofing materials.....	25,361	.1	.49	19,436	5,925	234,798	.2	.70	134,394	100,404
Hardware, rough and finished.....	281,136	1.4	5.46	274,472	6,664	2,375,570	1.6	7.09	2,203,605	171,974
Paints, varnishes, glass.....	496,439	2.4	9.64	124,705	371,734	4,338,377	2.9	12.95	678,846	3,759,531
Roofing and sheet metal.....	1,047,879	5.2	20.36	160,127	887,752	4,851,994	3.2	14.48	580,437	4,271,557
PACIFIC										
All kinds of material.....	\$29,218,467		\$393.70	\$18,876,440	\$10,342,027	\$187,652,892		\$450.00	\$109,682,723	\$77,970,169
Distribution not reported.....	8,048,324	30.6		6,251,352	2,096,972	30,883,708	19.7		25,602,916	11,285,792
Distributed by kind.....	20,270,143	100.0		12,625,088	7,645,055	160,769,184	100.0		84,079,807	66,684,377
Sand, gravel, stone, slag, cinders, etc.....	1,884,536	9.3	36.61	1,744,599	139,937	17,128,008	11.4	51.12	16,110,710	1,011,892
Brick (face, common, fire, paving, etc.).....	890,253	4.4	17.20	648,013	242,240	3,110,701	2.1	9.28	1,816,110	1,294,646
Tile (fireproofing).....	63,679	.5	1.82	50,322	48,347	629,655	.4	1.58	264,548	265,107
Tile, facing, terra cotta, floor, and wall.....	463,509	2.3	9.01	142,773	320,732	3,587,762	2.4	10.71	822,420	2,765,346
Concrete and cinder block.....	94,400	.5	1.83	92,877	1,523	1,075,292	.7	3.21	984,119	61,173
Cut stone, granite and marble.....	124,402	.6	2.42	65,772	58,630	1,070,724	1.3	5.90	466,574	1,511,150
Riprap, rubble, etc.....	34,553	.2	.67	34,553		695,990	.5	2.08	672,795	23,195
Cement.....	1,967,814	9.7	38.23	1,772,890	194,924	16,722,420	11.1	40.91	15,614,212	1,108,208
Lime.....	97,449	.5	1.80	68,390	29,059	386,924	.3	1.16	165,429	221,495
Plaster, etc.....	250,223	1.2	4.80	177,767	72,456	1,605,072	1.0	4.49	453,244	1,052,82

CONSTRUCTION—UNITED STATES SUMMARY

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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—					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		
	MOUNTAIN—Continued					PACIFIC—Continued				
Distributed by kind—Continued.										
Finished flooring (other than cement, wood, or tile).....	\$61,332	0.3	\$1.19	\$61,332	-----	\$786,984	0.5	\$2.35	\$270,228	\$507,756
Screens, shades, awnings, etc.....	20,487	.1	.40	20,487	-----	250,705	.2	.75	138,829	111,876
Heating and ventilating equipment.....	1,420,546	7.1	27.77	117,207	\$1,312,240	6,990,212	4.6	20.87	606,637	6,203,575
Plumbing and gas fitting equipment.....	1,684,281	8.3	32.72	195,404	1,488,817	14,634,769	9.6	43.38	1,367,900	13,166,869
Electrical appliances and supplies.....	1,272,271	6.3	24.72	158,324	1,113,947	11,102,343	7.4	33.14	1,048,780	9,153,563
Elevators, dumb waiters, and equipment.....	73,700	.4	1.43	38,700	35,000	4,040,201	2.7	12.08	208,007	3,838,194
Pipe: Drain tile, vitrified, concrete, segment tile, corrugated.....	230,185	1.2	4.65	222,705	16,340	3,977,175	2.6	11.87	3,852,022	124,253
Pipe: Cast iron, sheet and tube steel, etc.....	323,903	1.6	6.29	205,707	118,166	1,933,488	1.3	5.77	1,400,853	532,605
Wire cable, guards, and fencing.....	28,956	.1	.56	27,281	1,675	257,861	.2	.77	112,242	145,619
Bituminous paving materials, tar, asphalt, and oil.....	385,995	1.9	7.50	338,955	47,040	4,515,720	3.0	13.48	4,381,534	134,195
Wood piling and timber.....	8,200	(³)	.16	8,200	-----	639,819	.4	1.91	529,556	110,263
Ready mixed concrete.....	760,166	3.8	14.77	742,600	17,566	391,126	.3	1.17	382,625	8,501
Machinery.....	11,850	.1	.23	11,850	-----	346,390	.2	1.04	323,300	23,000
Freight, hauling or trucking to job.....						614,539	.4	1.84	666,145	48,304
Chemicals and chemical products.....						9,886	(⁵)	.03	6,560	3,326
Metal products, n. e. s. (including metal furniture).....	8,034	(⁴)	.16	3,161	4,873	2,732,679	1.8	8.16	25,777	2,706,902
Mineral products (nonmetallic), n. e. s.....	18,746	.1	.36	-----	18,746	112,096	.1	.33	51,015	61,071
Sealing materials.....						14,021	(⁵)	.04	0,148	4,873
Textiles and caulking materials.....						130,804	.1	.39	644	130,220
Miscellaneous.....	194,638	1.0	3.78	175,205	19,433	1,167,223	.8	3.48	924,875	242,348

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

⁴ 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.

⁵ Less than one tenth of 1 per cent.

⁶ Less than 1 cent.

CONSTRUCTION—UNITED STATES SUMMARY

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]

UNITED STATES

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business 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
<i>Sand, gravel, stone, slag, cinders, etc.²</i>	<i>Dollars</i>	<i>Dollars</i>	100.0		<i>Dollars</i>	<i>Brick (face, common, fire, paving, etc.)</i>	<i>Dollars</i>	<i>Dollars</i>	100.0	4.1	<i>Dollars</i>		
All classes.....	1,572,964,870	164,323,947		10.4	4,482,447,732	All classes.....	1,572,964,870	65,058,116		4.1	4,482,447,732		
General contractors ³	4873,637,174	150,007,079	91.3	17.2	2,988,154,988	General contractors ³	4873,637,174	52,030,724	80.0	6.0	2,988,154,988		
Building.....	453,840,340	38,103,403	23.2	8.4	1,803,320,210	Building.....	453,840,340	44,479,350	68.4	9.8	1,803,320,210		
Building not specialized ⁴	373,193,715	33,900,519	20.7	0.1	1,524,255,907	Building not specialized ⁴	373,193,715	38,892,264	50.8	10.4	1,524,255,907		
Commercial building only.....	17,320,729	1,847,765	1.1	10.7	92,427,164	Commercial building only.....	17,320,729	1,775,100	2.7	10.2	92,427,164		
Manufacturing building only.....	10,750,395	615,613	4.4	3.1	32,947,452	Manufacturing building only.....	10,750,395	601,412	1.5	4.9	32,947,452		
Residential building only.....	43,566,501	1,070,506	1.0	3.8	153,695,687	Residential building only.....	43,566,501	2,850,517	4.4	6.5	153,695,687		
Highway.....	134,792,440	56,507,983	34.4	42.0	350,399,990	Highway.....	134,792,440	1,997,417	3.1	1.5	350,399,990		
Bridge and culvert.....	45,649,902	5,163,358	3.1	11.3	115,123,526	Bridge and culvert.....	45,649,902	272,278	4.4	6.0	115,123,526		
Grading.....	2,984,429	1,297,497	8.8	43.5	25,225,457	Grading.....	2,984,429	27,280	(⁵)	9.9	25,225,457		
Street paving.....	89,139,074	32,790,332	20.0	36.8	235,143,234	Street paving.....	89,139,074	2,631,805	4.0	3.0	235,143,234		
Sewer, gas, water, conduit.....	30,785,722	5,165,592	3.1	16.8	88,620,006	Sewer, gas, water, conduit.....	30,785,722	1,388,312	2.1	4.5	88,620,006		
Dam and reservoir.....	5,398,263	783,950	5.5	14.5	17,045,595	Dam and reservoir.....	5,398,263	16,367	(⁵)	3.3	17,045,595		
Waterworks.....	9,965,064	900,359	6.0	9.9	23,272,535	Waterworks.....	9,965,064	204,266	3.3	2.0	23,272,535		
Dredging, river, harbor, etc.....	16,501,077	1,581,788	1.0	9.0	59,374,045	Dredging, river, harbor, etc.....	16,501,077	61,946	1.1	4.4	59,374,045		
Levee.....	306,404	30,350	(⁵)	12.8	1,192,322	Levee.....	306,404	6,300	(⁵)	2.1	1,192,322		
Railroad.....	14,843,446	2,582,000	1.6	17.4	60,133,126	Railroad.....	14,843,446	84,043	1.1	6.0	60,133,126		
Foundation.....	1,898,429	425,085	3.3	22.4	4,974,694	Foundation.....	1,898,429	145,380	2.2	7.7	4,974,694		
Central station, light and power plant.....	43,778,485	2,218,936	1.4	5.1	128,417,899	Central station, light and power plant.....	43,778,485	603,123	0.9	1.4	128,417,899		
Air transport work.....	452,523	124,051	1.1	27.4	1,104,770	Air transport work.....	452,523	404,500	(⁵)	2.5	1,104,770		
Refuse disposal plant.....	404,506	56,800	(⁵)	14.0	1,600,788	Refuse disposal plant.....	404,506	10,105	(⁵)	1.1	1,600,788		
Oil and natural gas pipe line.....	5,008,334	12,366	(⁵)	2.2	11,312,623	Oil and natural gas pipe line.....	5,008,334	5,373	(⁵)	1.1	11,312,623		
Subway (other than buildings).....	16,734,644	1,951,987	1.2	11.7	56,052,015	Subway (other than buildings).....	16,734,644	94,011	1.1	6.0	56,052,015		
Vehicular subway and tunnel.....	138,478	7,300	(⁵)	5.3	2,760,633	Vehicular subway and tunnel.....	138,478	11,151	(⁵)	1.4	2,760,633		
Telephone line and system.....	808,896	96,473	1.1	11.9	2,593,817	Telephone line and system.....	808,896	808,896	(⁵)	1.4	2,593,817		
Radio tower, etc.....	58,345	9,510	(⁵)	16.3	290,837	Radio tower, etc.....	58,345		(⁵)	16.3	290,837		
Subcontractors.....	4,690,327,705	14,316,868	8.7	2.0	1,494,292,744	Subcontractors.....	4,690,327,705	13,018,392	20.0	1.9	1,494,292,744		
Carpentering and wood flooring.....	11,788,840	28,690	(⁵)	2.2	28,244,741	Carpentering and wood flooring.....	11,788,840	15,850	(⁵)	1.1	28,244,741		
Concreting.....	19,797,908	6,860,472	4.2	34.7	56,265,745	Concreting.....	19,797,908	179,155	3.9	9.9	56,265,745		
Electrical.....	83,899,811	88,659	1.1	1.1	187,094,483	Electrical.....	83,899,811	7,671	(⁵)	(⁵)	187,094,483		
Heating and plumbing.....	424,187,775	41,804	(⁵)	(⁵)	81,112,412	Heating and plumbing.....	424,187,775	88,555	1.1	(⁵)	81,112,412		
Heating and piping.....	96,260,250	8,007	(⁵)	(⁵)	183,690,007	Heating and piping.....	96,260,250	78,603	1.1	1.1	183,690,007		
Pipe covering.....	3,657,018	1,000	(⁵)	(⁵)	10,106,651	Pipe covering.....	3,657,018	8,576	(⁵)	(⁵)	10,106,651		
Plumbing.....	112,987,044	30,235	(⁵)	(⁵)	212,035,921	Plumbing.....	112,987,044		(⁵)	(⁵)	212,035,921		
Plumbing and heating combined.....	15,327,584	2,562	(⁵)	(⁵)	29,292,616	Plumbing and heating combined.....	15,327,584	1,376	(⁵)	(⁵)	29,292,616		
Masonry.....	26,877,133	2,830,690	1.4	8.7	65,131,047	Masonry.....	26,877,133	11,688,192	18.0	43.5	65,131,047		
Painting and decorating.....	17,088,958	4,041	(⁵)	(⁵)	80,578,302	Painting and decorating.....	17,088,958	571	(⁵)	(⁵)	80,578,302		
Glass and glazing.....	3,100,784	2,375	(⁵)	(⁵)	16,064,802	Glass and glazing.....	3,100,784	50,243	1.1	3.3	16,064,802		
Plastering and lathing.....	17,159,251	1,411,019	9.8	8.2	64,247,626	Plastering and lathing.....	17,159,251		9.8	8.2	64,247,626		
Roofing and sheet-metal work.....	53,979,650	279,098	2.2	5.5	122,877,272	Roofing and sheet-metal work.....	53,979,650	10,039	(⁵)	(⁵)	122,877,272		
Roofing.....	29,867,754	268,088	2.2	9.9	65,225,146	Roofing.....	29,867,754	9,403	(⁵)	(⁵)	65,225,146		
Sheet-metal work.....	15,018,187	0,700	(⁵)	(⁵)	35,607,053	Sheet-metal work.....	15,018,187	6,630	(⁵)	(⁵)	35,607,053		
Roofing and sheet metal combined.....	9,093,709	11,310	(⁵)	1.1	21,045,073	Roofing and sheet metal combined.....	9,093,709		(⁵)	1.1	21,045,073		
Steel erection.....	67,934,243	99,851	1.1	1.1	111,960,446	Steel erection.....	67,934,243	29,867,754	43.8	43.8	111,960,446		
Stonework.....	7,908,788	182,855	1.1	2.3	19,387,410	Stonework.....	7,908,788	20,871	(⁵)	(⁵)	19,387,410		
Marble and tiling.....	39,919,491	1,405,223	9.9	3.5	89,619,592	Marble and tiling.....	39,919,491	32,944	1.4	4.4	89,619,592		
Excavating.....	1,229,752	462,199	3.7	37.6	15,902,976	Excavating.....	1,229,752	30,408	1.1	3.0	15,902,976		
Ornamental iron.....	12,884,047	2,458	(⁵)	(⁵)	23,977,852	Ornamental iron.....	12,884,047	1,062,178	(⁵)	5.5	23,977,852		
Highway.....	1,062,178	129,693	1.1	12.2	2,650,969	Highway.....	1,062,178	147,077	(⁵)	5.5	2,650,969		
Bridge and culvert.....	512,946	107,437	1.1	20.9	1,495,631	Bridge and culvert.....	512,946	690	(⁵)	4.4	1,495,631		
Grading.....	147,077	48,564	(⁵)	33.0	2,149,958	Grading.....	147,077	3,673	(⁵)	4.4	2,149,958		
Street paving.....	1,045,414	358,103	2.2	34.3	2,830,721	Street paving.....	1,045,414	15,748	(⁵)	7.8	2,830,721		
Sewer, gas, water, conduit.....	201,462	22,327	(⁵)	11.1	747,139	Sewer, gas, water, conduit.....	201,462	42,102	1.1	3.5	747,139		
Dam and reservoir.....	31,800	0,700	(⁵)	21.1	71,000	Dam and reservoir.....	31,800	658,555	1.1	4.9	71,000		
Dredging, river, harbor, etc.....	630,465	9,028	(⁵)	1.5	1,802,313	Dredging, river, harbor, etc.....	630,465	32,579	1.1	4.9	1,802,313		
Soundproofing.....	2,468,796	19,660	(⁵)	8.8	4,859,350	Soundproofing.....	2,468,796	153,094	2.2	6.0	4,859,350		
Foundation.....	1,195,792	195,672	1.1	16.4	4,653,043	Foundation.....	1,195,792		1.1	16.4	4,653,043		
Power plant.....	658,655	7,528	(⁵)	1.1	1,063,564	Power plant.....	658,655		(⁵)	1.1	1,063,564		
Metal work, n. e. s.....	27,711,530	130,264	(⁵)	5.6	46,543,754	Metal work, n. e. s.....	27,711,530		(⁵)	5.6	46,543,754		
Rental of equipment, trucking, etc.....	79,260	36,641	(⁵)	46.2	576,033	Rental of equipment, trucking, etc.....	79,260		(⁵)	46.2	576,033		
Flooring, n. e. s.....	3,635,832	34,729	(⁵)	1.0	7,565,471	Flooring, n. e. s.....	3,635,832		(⁵)	1.0	7,565,471		
						<i>Tile (fireproofing)</i>							
						All classes.....	1,572,964,870	13,019,175	100.0	8.8	4,482,447,732		
						General contractors ³	4873,637,174	7,800,070	56.1	8.8	2,988,154,988		
						Building.....	453,840,340	7,137,883	54.8	1.6	1,803,320,210		
						Building not specialized ⁴	373,193,715	6,670,483	61.3	1.8	1,524,255,907		
						Commercial building only.....	17,320,729	208,698	1.6	1.2	92,427,164		
						Manufacturing building only.....	10,750,395	11,734	1.1	1.1	32,947,452		
						Residential building only.....	43,566,501	240,968	1.9	6.6	153,695,687		
						Highway.....	134,792,440	30,438	2.2	(⁵)	350,399,990		
						Bridge and culvert.....	45,649,902	26,448	2.2	1.1	115,123,526		

See footnotes at end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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]

UNITED STATES—Continued

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business 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
Tile (fireproofing)—Con.						Tile, facing, terra cotta, floor, and wall—Contd.							
General contractors—Contd.	<i>Dollars</i>	<i>Dollars</i>	(%)	(%)	<i>Dollars</i>	Subcontractors—Continued.	<i>Dollars</i>	<i>Dollars</i>	(%)	(%)	<i>Dollars</i>		
Grading.....	2,984,429	390	(0)	(0)	25,225,457	Roofing and sheet-metal work.....	53,979,650	213,541	0.8	0.4	122,877,272		
Street paving.....	80,130,074	21,448	0.2	(0)	235,143,234	Roofing.....	29,867,754	190,076	.7	.7	66,225,146		
Sewer, gas, water, conduit.....	30,785,722	12,762	.1	(0)	88,620,609	Sheet-metal work.....	15,018,187	13,780	(0)	.1	35,607,053		
Dam and reservoir.....	5,398,263	898	(0)	(0)	17,045,595	Roofing and sheet metal combined.....	9,093,709	2,785	(0)	(0)	21,045,073		
Waterworks.....	9,965,604	9,325	.1	0.1	23,272,535	Stonework.....	7,908,733	2,747	(0)	(0)	19,387,416		
Dredging, river, harbor, etc.....	16,501,077	6,253	(0)	(0)	59,374,045	Marble and tiling.....	30,919,491	10,111,000	07.0	47.0	30,010,532		
Railroad.....	14,843,446	404	(0)	(0)	60,133,120	Soundproofing.....	2,468,700	21,054	.1	.0	4,869,350		
Foundation.....	1,898,429	9,424	.1	.5	4,974,094	Metal work, n. e. s.....	27,711,530	34,534	.1	.1	46,543,754		
Central station, light and power plant.....	43,778,485	40,008	.3	.1	128,417,899	Flooring, n. e. s.....	3,035,832	28,191	.1	.8	7,565,471		
Refuse disposal plant.....	404,506	3,937	(0)	1.0	1,000,765								
Subway (other than buildings).....	16,734,644	304	(0)	(0)	56,052,015								
Subcontractors.....	699,327,705	5,719,105	43.9	.8	1,404,292,744	Concrete and cinder block							
Carpentering and wood flooring.....	11,788,840	2,094	(0)	(0)	28,244,741	All classes.....	1,572,964,879	11,550,009	100.0	.7	4,482,447,732		
Concreting.....	19,797,998	248,953	1.9	1.3	56,265,745	General contractors ²	873,637,174	9,093,699	85.7	1.1	2,988,154,988		
Heating and plumbing.....	241,887,775	5,899	(0)	(0)	461,112,412	Building.....	453,840,340	6,625,773	67.4	1.5	1,803,326,210		
Heating and piping.....	96,260,250	2,097	(0)	(0)	183,690,067	Building not specialized ³	373,193,715	5,352,899	46.3	1.4	1,524,255,907		
Plumbing.....	112,937,044	2,802	(0)	(0)	212,053,921	Commercial building only.....	17,320,729	268,322	2.3	1.5	92,427,104		
Plumbing and heating combined.....	15,327,584	400	(0)	(0)	29,292,616	Manufacturing building only.....	19,759,395	251,007	2.2	1.3	32,947,452		
Masonry.....	20,877,133	4,603,864	35.4	17.1	65,131,047	Residential building only.....	43,566,501	753,485	6.5	1.7	153,695,087		
Painting and decorating.....	17,088,958	3,725	(0)	(0)	86,678,302	Highway.....	134,792,440	1,311,225	11.4	1.0	360,399,990		
Glass and glazing.....	8,100,734	7,048	.1	.1	15,064,802	Bridge and culvert.....	45,049,962	209,087	1.8	5	115,123,526		
Plastering and lathing.....	17,159,251	61,732	.4	.3	64,247,526	Grading.....	2,984,429	5,247	(0)	.2	25,225,457		
Roofing and sheet-metal work.....	53,979,650	280,110	2.2	.5	122,877,272	Street paving.....	80,130,074	720,422	6.2	8	235,143,234		
Roofing.....	29,867,754	276,478	2.1	.9	60,225,146	Sewer, gas, water, conduit.....	30,785,722	324,703	2.8	1.1	88,620,606		
Sheet-metal work.....	15,018,187	9,492	.1	.1	35,607,053	Dam and reservoir.....	5,398,263	154,908	1.3	2.9	17,045,565		
Roofing and sheet-metal combined.....	9,093,709	140	(0)	(0)	21,045,073	Waterworks.....	9,965,604	3,474	(0)	(0)	23,272,535		
Stonework.....	7,908,733	2,230	(0)	(0)	19,387,416	Dredging, river, harbor, etc.....	16,501,077	21,828	.2	.1	59,374,045		
Marble and tiling.....	30,919,491	351,287	2.7	.9	89,019,532	Railroad.....	14,843,446	142,366	1.2	1.0	60,133,120		
Excavating.....	1,229,752	300	(0)	(0)	15,002,976	Foundation.....	1,898,429	17,860	2.2	.9	4,974,094		
Foundation.....	1,195,792	3,805	(0)	.3	4,653,043	Central station, light and power plant.....	43,778,485	70,209	.6	.2	128,417,899		
Metal work, n. e. s.....	27,711,530	162,000	1.2	.5	46,543,754	Air transport work.....	452,523	40,000	.3	8.8	1,104,770		
						Subway (other than buildings).....	16,734,644	227,607	2.0	1.4	56,052,015		
Tile, facing, terra cotta, floor, and wall						Vehicular subway and tunnel.....	138,473	28,000	.2	20.2	2,760,683		
All classes.....	1,572,964,879	28,132,505	100.0	1.8	4,482,447,732	Subcontractors.....	699,327,705	1,046,310	14.3	.2	1,494,292,744		
General contractors ²	873,637,174	7,887,169	28.0	.9	2,988,154,988	Carpentering and wood flooring.....	11,788,840	7,870	.1	1.2	28,244,741		
Building.....	453,840,340	7,650,117	27.2	1.7	1,803,326,210	Concreting.....	19,797,998	244,303	2.1	1.1	56,265,745		
Building not specialized ³	373,193,715	6,517,997	23.2	1.7	1,524,255,907	Electrical.....	83,899,811	47,530	.4	.1	187,004,433		
Commercial building only.....	17,320,729	406,291	1.4	2.3	92,427,104	Heating and plumbing.....	241,887,775	4,907	(0)	(0)	461,112,412		
Manufacturing building only.....	19,759,395	12,321	(0)	.1	32,947,452	Heating and piping.....	96,260,250	2,220	(0)	(0)	183,690,067		
Residential building only.....	43,566,501	719,508	2.6	1.7	153,695,087	Plumbing.....	112,937,044	2,387	(0)	(0)	212,053,921		
Highway.....	134,792,440	27,761	.1	.2	359,399,990	Plumbing and heating combined.....	15,327,584	300	(0)	(0)	29,292,616		
Bridge and culvert.....	45,049,962	85,137	.3	.2	115,123,526	Masonry.....	20,877,133	725,140	6.3	2.7	65,131,047		
Grading.....	2,984,429	616	(0)	(0)	25,225,457	Plastering and lathing.....	17,159,251	42,371	.4	.2	64,247,526		
Street paving.....	80,130,074	17,855	.1	(0)	235,143,234	Roofing and sheet metal work.....	53,979,650	500	(0)	(0)	122,877,272		
Sewer, gas, water, conduit.....	30,785,722	21,183	.1	.1	88,620,609	Roofing.....	29,867,754	609	(0)	(0)	66,225,146		
Dam and reservoir.....	5,398,263	581	(0)	(0)	17,045,595	Steel erection.....	67,034,243	5,493	(0)	(0)	111,966,446		
Waterworks.....	9,965,604	5,490	(0)	.1	23,272,535	Stonework.....	7,908,733	234,437	2.0	3.0	19,387,416		
Dredging, river, harbor, etc.....	16,501,077	30,531	.1	.2	59,374,045	Marble and tiling.....	30,919,491	188,308	1.6	.5	89,019,532		
Railroad.....	14,843,446	1,070	(0)	(0)	60,133,120	Excavating.....	1,229,752	9,573	.1	.8	15,002,976		
Foundation.....	1,898,429	6,880	(0)	.4	4,974,094	Grading.....	147,077	2,380	(0)	1.6	2,149,958		
Central station, light and power plant.....	43,778,485	22,023	.1	.1	128,417,899	Street paving.....	1,046,414	127,399	1.1	12.2	2,830,721		
Refuse disposal plant.....	404,506	73	(0)	(0)	1,000,765	Dredging, river, harbor, etc.....	630,465	233	(0)	(0)	1,802,313		
Oil and natural gas pipe line.....	5,008,334	4,409	(0)	.1	11,312,623	Foundation.....	1,195,792	2,593	(0)	.2	4,653,043		
Subway (other than buildings).....	16,734,644	894	(0)	(0)	56,052,015	Power plant.....	658,555	1,373	(0)	.2	1,068,564		
Subcontractors.....	699,327,705	20,245,336	72.0	2.9	1,404,292,744	Metal work, n. e. s.....	27,711,530	1,600	(0)	(0)	46,543,754		
Carpentering and wood flooring.....	11,788,840	74,743	.3	.6	28,244,741	Cut stone, granite, and marble							
Concreting.....	19,797,998	27,888	.1	.1	56,265,745	All classes.....	1,572,964,879	43,899,635	100.0	2.8	4,482,447,732		
Electrical.....	83,899,811	400	(0)	(0)	187,004,433	General contractors ²	873,637,174	21,713,096	40.6	2.5	2,988,154,988		
Elevator construction.....	49,790,848	12,083	(0)	(0)	75,199,234	Building.....	453,840,340	15,954,512	30.4	3.5	1,803,326,210		
Heating and plumbing.....	241,887,775	61,230	(0)	(0)	461,112,412	Building not specialized ³	373,193,715	14,880,981	34.0	4.0	1,524,255,907		
Heating and piping.....	96,260,250	2,371	(0)	(0)	183,690,067	Commercial building only.....	17,320,729	490,571	1.1	2.8	92,427,104		
Plumbing.....	112,937,044	58,348	.2	.1	212,053,921	Manufacturing building only.....	19,759,395	16,695	(0)	.1	32,947,452		
Plumbing and heating combined.....	15,327,584	572	(0)	(0)	29,292,616	Residential building only.....	43,566,501	566,265	1.3	1.3	153,695,087		
Masonry.....	20,877,133	653,931	2.3	2.4	65,131,047								
Plastering and lathing.....	17,159,251	3,848	(0)	(0)	64,247,526								

See footnotes at end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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]

UNITED STATES—Continued

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business 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
Cut stone, granite, and marble—Continued						Cement²							
General contractors—Contd.	Dollars	Dollars			Dollars	All classes	Dollars	Dollars	100.0	8.0	Dollars		
Highway	134,702,440	1,057,036	2.4	0.8	350,399,990	General contractors ³	1,572,904,870	140,033,536			4,482,447,732		
Bridge and culvert	45,640,962	630,891	1.4	1.4	115,123,526	Building	873,037,174	127,994,306	91.0	14.7	2,988,154,988		
Grading	2,984,420	19,800	(⁰)	7	25,225,457	Building not specialized ³	453,840,340	42,483,905	30.2	0.4	1,803,326,210		
Street paving	89,139,074	2,401,517	5.7	2.8	235,143,234	Commercial building only	373,193,715	37,958,778	27.0	10.2	1,524,256,907		
Sewer, gas, water, conduit	30,785,722	66,830	.2	.2	88,620,606	Manufacturing building only	17,320,729	2,188,461	1.6	12.6	92,427,164		
Dam and reservoir	5,398,293	372	(⁰)	(⁰)	17,045,565	Residential building only	19,759,395	778,039	.6	3.9	32,947,452		
Waterworks	9,965,664	22,166	.1	.2	23,272,535	Highway	43,566,501	1,557,787	1.1	3.6	159,095,087		
Dredging, river, harbor, etc.	16,501,077	276,630	6.7	1.7	59,374,645	Bridge and culvert	134,792,440	39,856,158	28.3	29.0	350,399,990		
Levee	306,404	6,782	(⁰)	2.2	1,192,322	Grading	45,640,962	5,486,333	3.0	12.0	115,123,526		
Railroad	14,843,446	125,870	.3	.8	60,133,120	Street paving	2,984,420	425,266	.3	14.2	25,225,457		
Foundation	1,898,429	294,826	7	15.5	4,974,694	Sewer, gas, water, conduit	89,139,074	26,253,224	18.7	29.5	235,143,234		
Central station, light and power plant	43,778,485	761,629	1.7	1.7	128,417,899	Dam and reservoir	30,785,722	3,970,958	2.8	12.9	88,620,606		
Refuse disposal plant	404,500	2,180	(⁰)	.5	1,600,758	Waterworks	5,398,293	1,573,271	1.1	29.1	17,045,565		
Subway (other than buildings)	16,734,644	2,596	(⁰)	(⁰)	50,052,015	Dredging, river, harbor, etc.	9,965,664	754,397	.5	7.6	23,272,535		
Subcontractors	690,327,705	22,095,939	50.4	3.2	1,494,292,744	Levee	16,501,077	1,351,630	1.0	8.2	59,374,645		
Carpen-tering and wood flooring	11,788,840	7,628	(⁰)	.1	28,244,741	Railroad	306,404	19,796	(⁰)	6.5	1,192,322		
Concreting	10,797,968	100,552	.2	.5	59,265,745	Foundation	14,843,446	1,781,988	1.3	12.0	60,133,120		
Elevator construction	49,790,848	2,627	(⁰)	(⁰)	75,199,234	Central station, light and power plant	1,898,429	350,977	.3	18.8	4,974,694		
Heating and plumbing	241,887,775	647	(⁰)	(⁰)	461,112,412	Refuse disposal plant	43,778,485	2,027,074	1.4	4.6	128,417,899		
Plumbing	112,987,044	647	(⁰)	(⁰)	212,053,921	Air transport work	404,500	129,841	.1	28.7	1,000,758		
Masonry	26,877,133	636,953	1.5	2.4	65,131,047	Oil and natural gas pipe line	404,500	64,088	(⁰)	15.8	1,000,758		
Glass and glazing	8,100,784	1,000	(⁰)	(⁰)	15,094,802	Subway (other than buildings)	6,008,334	18,543	(⁰)	.4	11,312,623		
Plastering and lathing	17,159,251	10,510	(⁰)	.1	64,247,526	Vehicular subway and tunnel	16,734,644	1,873,898	1.0	8.2	50,052,015		
Roofing and sheet-metal work	53,979,650	2,116	(⁰)	(⁰)	122,877,272	Telephone line and system	138,478	8,885	(⁰)	6.4	2,700,683		
Roofing	29,897,754	2,116	(⁰)	(⁰)	66,225,146	Subcontractors	808,896	57,474	(⁰)	7.1	2,603,817		
Steel erection	67,034,243	5,385	(⁰)	(⁰)	111,996,446	Carpen-tering and wood flooring	690,327,705	12,689,170	9.0	1.8	1,494,292,744		
Stonework	7,908,733	6,837,561	15.6	86.5	19,387,416	Concreting	11,788,840	40,970	(⁰)	.3	28,244,741		
Marble and tiling	39,919,491	14,420,054	32.9	36.1	89,019,532	Concreting	19,797,968	7,006,410	5.0	35.4	59,265,745		
Excavating	1,229,752	10,210	(⁰)	.8	15,902,976	Electrical	83,899,811	41,134	(⁰)	(⁰)	187,001,483		
Ornamental iron	12,384,047	750	(⁰)	(⁰)	23,977,852	Elevator construction	49,790,848	730	(⁰)	(⁰)	75,199,234		
Street paving	1,045,414	16,050	(⁰)	1.5	2,836,721	Heating and plumbing	241,887,775	51,426	(⁰)	(⁰)	461,112,412		
Soundproofing	2,498,796	5,000	(⁰)	.2	4,859,350	Heating and piping	90,260,250	14,391	(⁰)	(⁰)	183,600,067		
Power plant	658,555	107	(⁰)	(⁰)	1,063,564	Pipe covering	3,657,018	4,032	(⁰)	.1	10,106,651		
Flooring, n. e. s.	3,635,832	29,780	.1	.8	7,565,471	Plumbing	112,987,044	30,712	(⁰)	(⁰)	212,053,921		
						Plumbing and heating combined	15,327,584	2,291	(⁰)	(⁰)	29,292,610		
Riprap, rubble, etc.						Masonry	26,877,133	2,204,857	1.6	8.2	65,131,047		
All classes	1,572,904,870	5,245,673	100.0	.3	4,482,447,732	Painting and decorating	17,088,958	1,506	(⁰)	(⁰)	80,578,302		
General contractors ³	873,037,174	4,303,994	82.0	.5	2,988,154,988	Glass and glazing	8,100,784	13,192	(⁰)	.2	15,064,802		
Building	453,840,340	879,189	16.8	.2	1,803,326,210	Plastering and lathing	17,159,251	706,880	.5	4.1	64,247,526		
Building not specialized ³	373,193,715	756,747	14.4	.2	1,524,256,907	Roofing and sheet-metal work	53,979,650	68,482	(⁰)	.1	122,877,272		
Commercial building only	17,320,729	1,552	(⁰)	(⁰)	92,427,164	Roofing	29,897,754	60,060	(⁰)	.2	66,225,146		
Residential building only	43,566,501	120,890	2.3	.3	153,695,687	Sheet-metal work	15,018,187	938	(⁰)	(⁰)	35,607,053		
Highway	134,792,440	409,223	7.8	.3	350,399,990	Roofing and sheet metal combined	9,093,709	1,484	(⁰)	(⁰)	21,045,073		
Bridge and culvert	45,640,962	443,930	8.5	1.0	115,123,526	Steel erection	67,034,243	77,309	.1	1.1	111,996,446		
Grading	2,984,420	23,474	.4	.8	25,225,457	Stonework	7,908,733	226,764	.2	2.9	19,387,416		
Street paving	89,139,074	537,396	10.2	.6	235,143,234	Marble and tiling	39,919,491	1,192,255	.8	3.0	89,019,532		
Sewer, gas, water, conduit	30,785,722	80,958	1.6	.3	88,620,606	Excavating	1,229,752	162,906	.1	12.4	15,902,976		
Dam and reservoir	5,398,293	160	(⁰)	(⁰)	17,045,565	Ornamental iron	12,384,047	275	(⁰)	(⁰)	23,977,852		
Waterworks	9,965,664	19,949	.4	.2	23,272,535	Highway	1,062,178	68,282	(⁰)	6.4	2,650,966		
Dredging, river, harbor, etc.	16,501,077	1,710,233	32.6	10.4	59,374,645	Bridge and culvert	134,792,440	88,570	.1	17.3	1,495,631		
Levee	306,404	2,290	(⁰)	.7	1,192,322	Grading	45,640,962	70,141	(⁰)	47.7	2,149,958		
Railroad	14,843,446	137,050	2.0	.0	60,133,120	Street paving	2,984,420	327,414	.2	31.3	2,836,721		
Foundation	1,898,429	27,193	.5	1.4	4,974,694	Sewer, gas, water, conduit	89,139,074	38,457	(⁰)	10.1	747,129		
Central station, light and power plant	43,778,485	26,551	.5	.1	128,417,899	Dam and reservoir	30,785,722	6,500	(⁰)	20.4	71,000		
Refuse disposal plant	404,500					Dredging, river, harbor, etc.	9,965,664	8,525	(⁰)	1.4	1,802,313		
Subway (other than buildings)	16,734,644	2,218	(⁰)	(⁰)	50,052,015	Soundproofing	2,498,796	78,070	.1	3.0	4,859,350		
Subcontractors	690,327,705	941,679	18.0	.1	1,494,292,744	Foundation	1,195,792	160,309	.1	13.1	4,653,043		
Concreting	10,797,968	19,022	.4	.1	59,265,745	Power plant	658,555	0,797	(⁰)	1.0	1,063,564		
Heating and plumbing	241,887,775	274	(⁰)	(⁰)	461,112,412	Metal work, n. e. s.	27,711,530	14,428	(⁰)	.1	46,543,754		
Heating and piping	90,260,250	274	(⁰)	(⁰)	183,600,067	Rental of equipment, trucking, etc.	79,260	3,377	(⁰)	4.3	576,033		
Masonry	26,877,133	65,989	1.8	.4	65,131,047	Flooring, n. e. s.	3,635,832	41,016	(⁰)	1.1	7,565,471		
Plastering and lathing	17,159,251	14,193	.3	.1	64,247,526								
Steel erection	67,034,243	3,500	.1	(⁰)	111,996,446	 Lime							
Stonework	7,908,733	79,678	1.5	1.0	19,387,416	All classes	1,572,904,879	6,536,705	100.0	.4	4,482,447,732		
Marble and tiling	39,919,491	518,121	9.9	1.3	89,019,532	General contractors ³	873,037,174	3,975,700	60.8	.5	2,988,154,988		
Excavating	1,229,752	8,323	.2	.7	15,902,976	Building	453,840,340	3,580,690	54.8	.8	1,803,326,210		
Grading	1,227,077	6,948	.1	4.7	2,149,958	Building not specialized ³	373,193,715	3,043,042	46.6	.8	1,524,256,907		
Dredging, river, harbor, etc.	16,501,077	1,710,233	32.6	10.4	59,374,645	Commercial building only	17,320,729	141,067	2.2	.8	92,427,164		
Levee	306,404	2,290	(⁰)	.7	1,192,322								
Railroad	14,843,446	137,050	2.0	.0	60,133,120								
Foundation	1,898,429	27,193	.5	1.4	4,974,694								
Central station, light and power plant	43,778,485	26,551	.5	.1	128,417,899								
Refuse disposal plant	404,500												
Subway (other than buildings)	16,734,644	2,218	(⁰)	(⁰)	50,052,015								
Subcontractors	690,327,705	941,679	18.0	.1	1,494,292,744								
Concreting	10,797,968	19,022	.4	.1	59,265,745								
Heating and plumbing	241,887,775	274	(⁰)	(⁰)	461,112,412								
Heating and piping	90,260,250	274	(⁰)	(⁰)	183,600,067								
Masonry	26,877,133	65,989	1.8	.4	65,131,047								
Plastering and lathing	17,159,251	14,193	.3</										

CONSTRUCTION—UNITED STATES SUMMARY

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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]

UNITED STATES—Continued

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business 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		
<i>Lime—Continued</i>						<i>Plaster, etc.—Continued</i>						
General contractors—Contd.						Subcontractors.....	Dollars	Dollars			Dollars	
Building—Continued.						Carpentering and wood	\$ 699,327,705	\$ 8,762,463	58.5	1.3	\$ 1,494,292,744	
Manufacturing building only.....	Dollars	Dollars			Dollars	flooring.....	11,788,840	13,711	.1	.1	28,244,741	
Residential building only.....	19,769,395	50,193	0.0	0.3	32,947,452	Concreting.....	19,797,968	17,851	.0	.1	56,265,745	
Highway.....	134,792,440	80,824	1.2	1.1	350,399,900	Electrical.....	83,890,811	125	(0)	(0)	187,004,483	
Bridge and culvert.....	45,049,962	17,310	.3	(0)	115,123,526	Elevator construction.....	49,790,848	62	(0)	(0)	75,199,234	
Grading.....	2,984,429	10,041	.3	.7	25,225,457	Heating and plumbing.....	\$ 241,887,775	22,160	.1	(0)	\$ 461,112,412	
Street paving.....	80,139,074	184,549	2.8	.2	235,143,234	Heating and piping.....	96,260,250	653	(0)	(0)	183,690,067	
Sewer, gas, water, conduit.....	30,785,722	14,405	.2	(0)	88,620,000	Pipe covering.....	3,657,018	10,750	.1	.3	10,100,651	
Dam and reservoir.....	5,398,263	20,003	.4	.5	17,045,595	Plumbing.....	112,987,044	10,652	.1	(0)	212,053,921	
Waterworks.....	9,965,064	5,517	.1	.1	23,272,535	Plumbing and heating combined.....	15,327,584	105	(0)	(0)	29,292,016	
Dredging, river, harbor, etc.....	16,601,077	10,189	.2	.1	59,374,045	Masonry.....	26,877,133	517,210	3.5	1.0	65,131,047	
Railroad.....	14,843,446	756	(0)	(0)	60,133,120	Painting and decorating.....	17,088,958	16,350	.1	.1	60,878,302	
Foundation.....	1,898,429	16,700	.3	.0	974,094	Plastering and lathing.....	17,159,251	7,903,093	52.8	40.1	64,247,526	
Central station, light and power plant.....	43,778,485	17,831	.3	(0)	128,417,899	Roofing and sheet-metal work.....	\$ 53,979,650	29,873	.2	(0)	\$ 122,877,272	
Refuse disposal plant.....	404,506	222	(0)	.1	1,000,758	Roofing.....	29,807,754	26,573	.2	.1	60,225,146	
Oil and natural gas pipe line.....	5,008,334	912	(0)	(0)	11,312,623	Sheet-metal work.....	15,018,187	300	(0)	(0)	35,607,053	
Subway (other than buildings).....	16,734,044	64	(0)	(0)	50,052,015	Steel erection.....	67,934,243	483	(0)	(0)	111,906,446	
Telephone line and system.....	808,846	87	(0)	(0)	2,593,817	Stone work.....	7,908,733	24,732	.2	.3	19,387,416	
Subcontractors.....	\$ 699,327,705	2,561,005	36.2	.4	\$ 1,494,292,744	Marble and tiling.....	39,019,491	163,242	1.1	.4	89,019,532	
Carpentering and wood flooring.....	11,788,840	1,752	(0)	(0)	28,244,741	Excavating.....	1,229,752	3,500	(0)	.3	15,902,976	
Concreting.....	19,797,968	92,741	1.4	.5	56,265,745	Ornamental iron.....	12,384,047	5	(0)	(0)	23,977,852	
Electrical.....	83,890,811	600	(0)	(0)	187,004,483	Grading.....	147,077	250	(0)	.2	2,140,058	
Elevator construction.....	49,790,848	79	(0)	(0)	75,199,234	Soundproofing.....	2,408,796	3,915	(0)	.2	4,850,350	
Heating and plumbing.....	\$ 241,887,775	7,113	.1	(0)	\$ 461,112,412	Flooring, n. e. s.....	3,635,832	48,889	.3	1.3	7,565,471	
Heating and piping.....	96,260,250	2,236	(0)	(0)	183,690,067	<i>Structural steel¹</i>						
Pipe covering.....	3,657,018	492	(0)	(0)	10,100,651	All classes.....	1,572,904,879	128,053,586	100.0	8.1	4,482,447,732	
Plumbing.....	112,987,044	4,380	.1	(0)	212,053,921	General contractors ²	\$ 878,637,174	\$ 64,872,700	50.7	7.4	\$ 2,988,154,988	
Plumbing and heating combined.....	15,327,584	5	(0)	(0)	29,292,016	Building.....	453,840,340	28,036,689	21.9	6.2	1,803,326,210	
Masonry.....	26,877,133	825,963	12.6	3.1	65,131,047	Building not specialized ³	373,193,715	24,046,877	19.2	6.6	1,524,255,907	
Painting and decorating.....	17,088,958	1,768	(0)	(0)	60,878,302	Commercial building only.....	17,320,729	710,336	.6	4.1	62,427,104	
Plastering and lathing.....	17,159,251	1,450,571	22.3	8.5	84,247,526	Manufacturing building only.....	19,759,395	2,190,128	1.7	11.1	32,947,452	
Roofing and sheet-metal work.....	\$ 53,979,650	1,308	(0)	(0)	\$ 122,877,272	Residential building only.....	43,560,501	489,348	.4	1.1	153,695,687	
Roofing.....	29,807,754	898	(0)	(0)	60,225,146	Highway.....	134,792,440	1,725,506	1.3	1.3	350,399,900	
Sheet-metal work.....	15,018,187	410	(0)	(0)	35,607,053	Bridge and culvert.....	45,049,962	18,790,532	14.7	41.2	115,123,526	
Steel erection.....	67,934,243	92	(0)	(0)	111,906,446	Grading.....	2,984,429	210,693	.2	7.1	25,225,457	
Stone work.....	7,908,733	18,083	.3	.2	19,387,416	Street paving.....	80,139,074	353,920	.3	.4	235,143,234	
Marble and tiling.....	39,019,491	124,583	1.9	.3	89,019,532	Sewer, gas, water, conduit.....	30,785,722	358,206	.3	1.2	88,620,000	
Excavating.....	1,229,752	8,616	.1	.7	15,902,976	Dam and reservoir.....	5,398,263	236,935	.2	4.4	17,045,595	
Ornamental iron.....	12,384,047	10	(0)	(0)	23,977,852	Waterworks.....	9,965,064	276,807	.2	2.8	23,272,535	
Grading.....	147,077	2,140,058	(0)	1.0	2,140,058	Dredging, river, harbor, etc.....	16,601,077	1,404,395	1.1	8.5	59,374,045	
Street paving.....	1,045,414	6,842	.1	.7	2,830,721	Levee.....	306,404	2,409	(0)	.8	1,192,322	
Soundproofing.....	2,408,796	958	(0)	(0)	4,850,350	Railroad.....	14,843,446	4,186,603	3.3	28.2	60,133,120	
Foundation.....	1,195,702	240	(0)	(0)	4,053,043	Foundation.....	1,898,429	31,538	(0)	1.7	4,974,094	
Power plant.....	658,555	480	(0)	.1	1,063,564	Central station, light and power plant.....	43,778,485	3,016,131	2.8	8.3	128,417,899	
Metal work, n. e. s.....	27,711,630	215	(0)	(0)	46,543,754	Refuse disposal plant.....	404,506	26,083	(0)	6.4	1,000,758	
Flooring, n. e. s.....	3,635,832	10,991	.2	.3	7,565,471	Oil and natural gas pipe line.....	5,008,334	20,308	(0)	.4	11,312,623	
						Subway (other than buildings).....	16,734,044	5,595,151	4.3	33.3	50,052,015	
<i>Plaster, etc.</i>						Vehicular subway and tunnel.....	138,478	11,000	(0)	7.9	2,760,033	
All classes.....	1,572,904,879	14,969,326	100.0	1.0	4,482,447,732	Radio tower, etc.....	58,345	12,374	(0)	21.2	200,887	
General contractors ²	\$ 878,637,174	6,200,893	41.5	.7	\$ 2,988,154,988	Subcontractors.....	\$ 699,327,705	63,180,795	49.3	0.0	\$ 1,494,292,744	
Building.....	453,840,340	6,074,474	40.6	1.3	1,803,326,210	Carpentering and wood flooring.....	11,788,840	16,402	(0)	.1	28,244,741	
Building not specialized ³	373,193,715	5,101,977	34.1	1.4	1,524,255,907	Concreting.....	19,797,968	113,281	.1	.6	56,265,745	
Commercial building only.....	17,320,729	170,504	1.2	1.0	92,427,164	Electrical.....	83,890,811	36,106	(0)	(0)	187,004,483	
Manufacturing building only.....	19,759,395	41,589	.3	.2	32,947,452	Elevator construction.....	49,790,848	110,120	.1	.2	75,199,234	
Residential building only.....	43,560,501	754,704	5.0	1.7	153,695,687	Heating and plumbing.....	\$ 241,887,775	155,281	.1	.1	\$ 461,112,412	
Highway.....	134,792,440	28,744	.2	(0)	350,399,900	Heating and piping.....	96,260,250	145,921	.1	.2	183,690,067	
Bridge and culvert.....	45,049,962	47,411	.3	.1	115,123,526	Plumbing.....	112,987,044	9,298	(0)	(0)	212,053,921	
Grading.....	2,984,429	2,145	(0)	.1	25,225,457	Plumbing and heating combined.....	15,327,584	62	(0)	(0)	29,292,016	
Street paving.....	80,139,074	11,188	.1	(0)	235,143,234	Masonry.....	26,877,133	428,778	.3	1.6	65,131,047	
Sewer, gas, water, conduit.....	30,785,722	22,060	.1	.1	88,620,000	Glass and glazing.....	8,100,784	89	(0)	(0)	15,084,802	
Dam and reservoir.....	5,398,263	633	(0)	(0)	17,045,595	Plastering and lathing.....	17,159,251	3,178	(0)	(0)	64,247,526	
Waterworks.....	9,965,064	3,312	(0)	(0)	23,272,535	Roofing and sheet-metal work.....	\$ 53,979,650	212,525	.2	.4	122,877,272	
Dredging, river, harbor, etc.....	16,601,077	4,565	(0)	(0)	59,374,045	Roofing.....	29,807,754	71,464	.1	.2	60,225,146	
Foundation.....	1,898,429	3,257	(0)	.2	4,974,094	Sheet-metal work.....	15,018,187	51,411	(0)	.3	35,607,053	
Central station, light and power plant.....	43,778,485	7,632	.1	(0)	128,417,899	Roofing and sheet metal combined.....	9,093,799	89,650	.1	1.0	21,045,073	
Refuse disposal plant.....	404,506	842	(0)	.2	1,000,758	Steel erection.....	67,934,243	59,343,281	46.8	87.4	111,906,446	
Oil and natural gas pipe line.....	5,008,334	600	(0)	(0)	11,312,623	Stonework.....	7,908,733	11,138	(0)	.1	19,387,416	

See footnotes at end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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]
UNITED STATES—Continued

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business 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	
Structural steel—Contd.						Cast iron, miscellaneous, excluding pipe					
Subcontractors—Continued.	Dollars	Dollars	(%)	(%)	Dollars	Dollars	Dollars	100.0	0.5	Dollars	
Marble and tiling.....	39,919,491	3,125	(0)	2.2	80,619,532	1,672,064,870	8,599,523			4,482,447,732	
Excavating.....	1,229,752	20,988	0.9	2.2	15,902,976						
Ornamental iron.....	12,384,047	1,174,392	9.5	9.5	23,977,852						
Highway.....	1,062,178	123,487	11.6	11.6	2,650,966						
Bridge and culvert.....	512,946	122,786	23.9	23.9	1,495,631						
Grading.....	147,077	1,400	(0)	1.0	2,149,958						
Dredging, river, harbor, etc.....	630,465	60,210	(0)	9.6	1,802,313						
Soundproofing.....	2,468,796	1,173	(0)	(0)	4,859,350						
Foundation.....	1,195,792	2,752	(0)	2.3	4,653,043						
Power plant.....	658,555	2,232	(0)	3.4	1,063,564						
Metal work, n. e. s.....	27,711,530	1,238,510	4.4	4.4	40,543,754						
Rental of equipment, trucking, etc.....	79,260	3,555	(0)	4.5	576,033						
Reinforcing steel											
All classes.....	1,572,964,879	47,120,319	100.0	3.0	4,482,447,732						
General contractors ³	873,637,174	43,071,287	91.4	4.9	2,088,154,088						
Building.....	453,840,340	19,510,297	41.4	4.3	1,803,326,210						
Building not specialized ³	373,193,715	17,593,679	37.3	4.7	1,524,255,907						
Commercial building only.....	17,320,729	1,244,899	2.6	7.2	92,427,164						
Manufacturing building only.....	19,759,395	410,445	.9	2.1	32,047,452						
Residential building only.....	43,566,501	261,274	.6	6.0	153,695,687						
Highway.....	134,792,440	8,458,282	17.9	6.3	350,300,990						
Bridge and culvert.....	45,649,962	4,708,190	10.0	10.3	115,123,526						
Grading.....	2,984,429	103,113	.2	3.5	25,225,457						
Street paving.....	89,130,074	2,525,348	5.4	2.8	235,143,234						
Sewer, gas, water, conduit.....	30,785,722	1,459,020	3.1	4.7	88,620,006						
Dam and reservoir.....	5,398,293	377,474	.8	7.0	17,045,595						
Waterworks.....	9,965,664	287,196	2.9	2.9	23,272,535						
Dredging, river, harbor, etc.....	16,501,077	597,768	1.2	3.4	59,374,045						
Levee.....	306,404	14,878	(0)	4.9	1,192,322						
Railroad.....	14,843,446	1,208,525	2.6	8.1	60,133,126						
Foundation.....	1,898,429	79,102	.2	4.2	4,074,694						
Central station, light and power plant.....	43,778,485	3,143,815	6.7	7.2	128,417,899						
Air transport work.....	452,523	122,692	.3	27.1	1,104,770						
Refuse disposal plant.....	404,506	62,260	.1	15.4	1,000,768						
Oil and natural gas pipe line.....	5,008,334	5,002	(0)	.1	11,312,623						
Subway (other than buildings).....	16,734,644	398,202	.8	2.4	50,052,015						
Vehicular subway and tunnel.....	138,478	18,723	(0)	13.5	2,760,683						
Telephone line and system.....	808,896	21,410	(0)	2.6	2,593,817						
Subcontractors.....	699,327,705	4,055,032	8.6	.6	1,494,292,744						
Carpentering and wood flooring.....	11,788,840	48,060	.1	4.4	28,244,741						
Concrete.....	19,797,968	1,909,652	4.1	9.6	56,265,745						
Electrical.....	83,809,811	2,244	(0)	(0)	187,004,483						
Heating and plumbing.....	241,887,776	21,620	(0)	(0)	461,112,412						
Heating and piping.....	96,260,260	5,383	(0)	(0)	183,600,067						
Plumbing.....	112,987,044	16,237	(0)	(0)	212,053,921						
Masonry.....	26,877,133	307,493	.8	1.4	65,131,047						
Painting and decorating.....	17,088,958	77	(0)	(0)	30,578,302						
Glass and glazing.....	8,100,784	4,638	(0)	.1	15,084,802						
Plastering and lathing.....	17,169,261	76,315	.2	.4	64,247,526						
Roofing and sheet metal work.....	53,979,650	23,739	.1	(0)	122,877,272						
Roofing.....	29,837,764	23,739	.1	.1	69,225,146						
Steel erection.....	67,934,243	1,240,104	2.6	1.8	111,968,448						
Stonework.....	7,908,733	70,072	.1	(0)	19,387,416						
Marble and tiling.....	39,919,491	17,375	(0)	(0)	89,619,532						
Excavating.....	1,229,752	28,475	.1	2.3	15,902,976						
Ornamental iron.....	12,384,047	24,094	.1	2.2	23,977,852						
Highway.....	1,062,178	12,973	(0)	1.2	2,650,966						
Bridge and culvert.....	512,946	64,070	12.5	12.5	1,495,631						
Grading.....	147,077	1,510	(0)	.1	2,149,958						
Street paving.....	1,045,414	14,611	(0)	1.4	2,836,721						
Sewer, gas, water, conduit.....	201,402	284	(0)	.1	747,129						
Dam and reservoir.....	31,890	2,300	(0)	7.2	71,000						
Dredging, river, harbor, etc.....	630,465	3,293	(0)	.5	1,802,313						
Soundproofing.....	2,468,796	1,030	(0)	(0)	4,859,350						
Foundation.....	1,195,792	100,294	(0)	8.4	4,653,043						
Power plant.....	658,555	508	(0)	.1	1,063,564						
Metal work, n. e. s.....	27,711,530	18,869	(0)	.1	40,543,754						
Rental of equipment, trucking, etc.....	79,260	1,800	(0)	2.3	576,033						
Flooring, n. e. s.....	3,636,832	862	(0)	(0)	7,565,471						
General contractors ³	873,637,174	6,324,596	36.1	.7	2,088,154,088						
Building.....	453,840,340	6,052,101	34.6	1.3	1,803,326,210						
Building not specialized ³	373,193,715	5,457,921	31.2	1.5	1,524,255,907						
Commercial building only.....	17,320,729	189,543	1.1	1.1	92,427,164						
Manufacturing building only.....	19,759,395	120,580	.7	.6	32,047,452						
Residential building only.....	43,566,501	284,057	1.6	.7	153,695,687						
Highway.....	134,792,440	24,237	.1	(0)	350,300,990						
Bridge and culvert.....	45,649,962	71,672	.4	.2	115,123,526						
Grading.....	2,984,429	440	(0)	(0)	25,225,457						
Street paving.....	89,130,074	12,061	.1	(0)	235,143,234						
Sewer, gas, water, conduit.....	30,785,722	17,246	.1	.1	88,620,006						
Dam and reservoir.....	5,398,293	11,040	.1	.2	17,045,595						
Waterworks.....	9,965,664	14,482	.1	.1	23,272,535						
Metal doors, windows, and trim											
All classes.....	1,672,064,870	17,508,830	100.0	1.1	4,482,447,732						

See footnotes at end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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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]

UNITED STATES—Continued

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business 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
Metal doors, windows, and trim—Continued						Metal and wire lath and furring—Continued							
General contractors—Contd.	Dollars	Dollars			Dollars	Subcontractors—Continued.					Dollars		
Dredging, river, harbor, etc.	10,501,077	37,443	0.2	0.2	50,374,045	Electrical	83,809,811	200	(°)	(°)	187,004,483		
Railroad	14,843,446	270	(°)	(°)	60,133,126	Elevator construction	49,790,848	12,604	0.2	(°)	75,199,234		
Foundation	1,898,429	535	(°)	(°)	4,974,694	Heating and plumbing	241,887,775	17,708	.3	(°)	461,112,412		
Central station, light and power plant	43,778,485	71,140	.4	.2	128,417,809	Heating and piping	96,260,250	8,305	.1	(°)	183,690,067		
Oil and natural gas pipe line	5,008,334	7,008	(°)	.2	11,312,023	Pipe covering	3,057,018	4,314	.1	0.1	10,100,651		
Subway (other than buildings)	10,734,644	2,625	(°)	(°)	50,052,015	Plumbing	112,987,044	5,087	.1	(°)	212,053,921		
Radio tower, etc.	1,790	1,790	(°)	3.1	290,867	Masonry	20,877,133	108,202	1.7	.4	65,131,047		
Subcontractors	699,327,705	11,184,234	63.0	1.0	1,494,292,744	Painting and decorating	17,088,958	2	(°)	(°)	80,878,302		
Carpentering and wood flooring	11,788,840	136,421	.8	1.2	28,244,741	Glass and glazing	8,100,784	41,010	.7	.5	15,004,802		
Concreting	10,797,968	2,755	(°)	(°)	50,265,745	Plastering and lathing	17,159,251	3,411,191	54.7	10.0	64,247,526		
Electrical	83,809,811	11,000	.1	(°)	187,004,483	Roofing and sheet-metal work	53,979,050	51,032	.8	.1	122,877,272		
Elevator construction	49,790,848	10,504	.1	(°)	75,199,234	Roofing	29,867,754	7,350	.1	(°)	60,225,146		
Heating and plumbing	241,887,775	22,730	.1	(°)	461,112,412	Sheet-metal work	15,018,187	30,217	.6	.3	35,007,053		
Heating and piping	96,260,250	17,500	.1	(°)	188,090,067	Roofing and sheet metal combined	9,093,709	4,435	.1	(°)	21,045,073		
Plumbing	112,987,044	4,900	(°)	(°)	212,053,921	Steel erection	67,934,243	64,867	1.5	.1	111,966,446		
Plumbing and heating combined	15,327,584	264	(°)	(°)	29,292,610	Stone work	7,908,733	200	(°)	(°)	19,387,416		
Masonry	20,877,133	40,522	.2	(°)	65,131,047	Marble and tiling	39,919,491	91,010	1.5	.2	89,619,532		
Painting and decorating	17,088,958	9,905	.1	.1	80,878,302	Ornamental iron	12,384,047	27,323	.4	.2	39,977,852		
Glass and glazing	8,100,784	160,534	.0	2.0	15,004,802	Grading	147,077	000	(°)	.4	2,149,958		
Plastering and lathing	17,159,251	70,859	.4	.4	64,247,526	Sewer, gas, water, conduit	201,462	500	(°)	.2	747,129		
Roofing and sheet-metal work	53,979,050	235,706	1.3	.4	122,877,272	Soundproofing	2,408,795	1,224	(°)	(°)	4,859,350		
Roofing	29,867,754	4,695	(°)	(°)	60,225,146	Metal work, n. e. s.	27,711,530	2,000	(°)	(°)	46,543,754		
Sheet-metal work	15,018,187	210,230	1.2	1.4	35,007,053	Flooring, n. e. s.	3,635,832	11,365	.2	.3	7,565,471		
Roofing and sheet metal combined	9,093,709	14,781	.1	.2	21,045,073	Ornamental metal work							
Steel erection	67,934,243	780,424	4.5	1.1	111,966,446	All classes	1,572,904,870	14,833,253	100.0	.0	4,482,447,732		
Stone work	7,908,733	173	(°)	(°)	19,387,416	General contractors ²	873,637,174	3,362,974	22.7	.4	2,988,154,988		
Marble and tiling	39,919,491	10,340	.1	(°)	89,619,532	Building	453,840,340	3,028,618	20.4	.7	1,803,326,210		
Wrecking	1,400	1,400	(°)	7.3	184,872	Building not specialized ³	373,193,715	2,754,821	18.0	.7	1,524,255,907		
Excavating	1,220,752	75	(°)	(°)	15,902,070	Commercial building only	17,320,729	102,367	.7	.6	92,427,164		
Ornamental iron	12,384,047	60,429	.3	.5	39,977,852	Manufacturing building only	19,759,395	565	(°)	(°)	32,947,452		
Sewer, gas, water, conduit	201,462	265	(°)	.1	747,129	Residential building only	43,566,501	170,865	1.2	.4	153,695,687		
Dredging, river, harbor, etc.	630,465	1,910	(°)	.3	1,802,313	Highway	134,792,440	30,007	.2	(°)	350,399,090		
Power plant	568,555	280	(°)	(°)	1,063,594	Bridge and culvert	45,049,962	142,338	1.0	.3	115,123,526		
Metal work, n. e. s.	27,711,530	9,627,582	55.0	34.7	46,543,754	Street paving	89,139,074	4,245	(°)	(°)	235,143,234		
						Sewer, gas, water, conduit	30,785,722	2,330	(°)	(°)	88,620,067		
						Dam and reservoir	5,308,263	815	(°)	(°)	17,045,565		
						Waterworks	9,965,604	2,981	(°)	(°)	28,272,535		
						Dredging, river, harbor, etc.	16,501,077	2,166	(°)	(°)	59,374,645		
						Railroad	14,843,446	23,060	.2	(°)	60,133,126		
						Foundation	1,898,429	54	(°)	(°)	4,974,694		
						Central station, light and power plant	43,778,485	110,072	.8	.3	128,417,809		
						Subway (other than buildings)	10,734,644	6,511	(°)	(°)	50,052,015		
						Radio tower, etc.	1,790	777	(°)	1.3	260,867		
						Subcontractors	699,327,705	11,470,279	77.3	1.0	1,494,292,744		
						Carpentering and wood flooring	11,788,840	4,087	(°)	(°)	28,244,741		
						Concreting	10,797,968	1,242	(°)	(°)	50,265,745		
						Electrical	83,809,811	5,400	(°)	(°)	187,004,483		
						Elevator construction	49,790,848	16,500	.1	(°)	75,199,234		
						Heating and plumbing	241,887,775	29,035	.2	(°)	461,112,412		
						Heating and piping	96,260,250	27,435	.2	(°)	183,690,067		
						Plumbing	112,987,044	600	(°)	(°)	212,053,921		
						Plumbing and heating combined	15,327,584	1,000	(°)	(°)	29,292,610		
						Masonry	20,877,133	2,865	(°)	(°)	65,131,047		
						Glass and glazing	8,100,784	34,156	.2	.4	15,004,802		
						Plastering and lathing	17,159,251	7,369	(°)	(°)	64,247,526		
						Roofing and sheet-metal work	53,979,050	220,920	1.5	.4	122,877,272		
						Roofing	29,867,754	24,420	.2	.1	66,225,146		
						Sheet-metal work	15,018,187	183,182	1.2	1.2	35,007,053		
						Roofing and sheet metal combined	9,093,709	13,318	.1	.1	21,045,073		
						Steel erection	67,934,243	870,363	5.9	1.3	111,966,446		
						Stone work	7,908,733	28,459	.2	.4	19,387,416		
						Marble and tiling	39,919,491	38,417	.3	.1	89,619,532		
						Ornamental iron	12,384,047	10,102,026	68.1	81.0	39,977,852		
						Metal work, n. e. s.	27,711,530	103,380	.7	.4	46,543,754		

See footnotes at end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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]

UNITED STATES—Continued

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business 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		
Lumber, rough and finished						Laths, shingles, and shakes (wood)						
All classes.....	Dollars 1,572,964,879	Dollars 110,750,865	100.0	7.4	Dollars 4,482,447,732	All classes.....	Dollars 1,572,964,879	Dollars 4,373,247	100.0	0.3	Dollars 4,482,447,732	
General contractors ²	487,637,174	107,049,006	91.7	12.3	2,988,154,988	General contractors ²	487,637,174	2,970,624	68.1	.3	2,988,154,988	
Building.....	453,840,340	87,279,164	74.8	19.2	1,803,326,210	Building.....	453,840,340	2,048,687	67.4	.6	1,803,326,210	
Building not specialized ³	373,193,715	67,216,725	67.6	18.0	1,524,255,007	Building not specialized ³	373,193,715	2,105,203	48.1	.6	1,524,255,007	
Commercial building only.....	17,320,729	3,440,606	2.9	10.9	92,427,164	Commercial building only.....	17,320,729	81,176	1.9	.5	92,427,164	
Manufacturing building only.....	19,759,395	568,800	.5	2.9	32,047,452	Manufacturing building only.....	19,759,395	43,566,501	702,218	17.4	1.7	153,695,687
Residential building only.....	43,566,501	16,053,033	13.7	30.8	153,695,687	Residential building only.....	43,566,501	5,720	.1	(0)	350,399,990	
Highway.....	134,792,440	2,532,002	2.2	1.9	350,399,900	Highway.....	134,792,440	45,649,962	5,753	.1	(0)	25,225,457
Bridge and culvert.....	45,649,962	4,043,673	3.5	8.9	115,123,526	Bridge and culvert.....	45,649,962	2,984,420	1,435	(0)	(0)	235,143,234
Grading.....	2,984,420	173,987	.1	5.8	25,225,457	Grading.....	2,984,420	89,139,074	792	(0)	(0)	88,620,606
Street paving.....	89,139,074	1,014,997	.9	1.2	235,143,234	Street paving.....	89,139,074	30,785,722	189	(0)	(0)	17,045,505
Sewer, gas, water, conduit.....	30,785,722	1,430,136	1.2	4.6	88,620,606	Sewer, gas, water, conduit.....	30,785,722	5,308,263	510	(0)	(0)	23,272,535
Dam and reservoir.....	5,308,263	233,006	.2	4.3	17,045,505	Dam and reservoir.....	5,308,263	9,965,664	765	(0)	(0)	50,374,645
Waterworks.....	9,965,664	739,583	.7	7.9	23,272,535	Waterworks.....	9,965,664	16,501,077	2,177	(0)	(0)	4,974,694
Dredging, river, harbor, etc.....	16,501,077	3,248,117	2.8	19.7	50,374,645	Dredging, river, harbor, etc.....	16,501,077	1,898,420	2,600	.1	.1	128,417,899
Levee.....	306,404	17,084	(0)	5.6	1,192,322	Levee.....	306,404	43,778,485	7,927	.2	(0)	1,404,292,744
Railroad.....	14,843,446	1,690,380	1.4	11.4	60,133,126	Railroad.....	14,843,446	630,327,705	1,306,623	31.0	.2	28,244,741
Foundation.....	1,898,429	132,808	.1	7.0	4,974,694	Foundation.....	1,898,429	11,788,840	64,500	1.5	.5	56,265,745
Central station, light and power plant.....	43,778,485	1,900,250	1.6	4.3	128,417,899	Central station, light and power plant.....	43,778,485	10,797,968	33,985	.9	.2	4,611,112,412
Air transport work.....	452,523	17,913	(0)	4.0	1,104,770	Air transport work.....	452,523	241,837,775	8,080	.2	(0)	183,690,067
Refuse disposal plant.....	404,500	19,715	(0)	4.9	1,000,758	Refuse disposal plant.....	404,500	112,087,044	3,700	.1	(0)	212,053,921
Oil and natural gas pipe line.....	5,008,334	40,743	(0)	1.0	11,312,623	Oil and natural gas pipe line.....	5,008,334	26,877,133	32,813	.8	.1	65,181,047
Subway (other than buildings).....	16,734,644	2,335,479	2.0	14.0	56,052,015	Subway (other than buildings).....	16,734,644	20,877,968	13	(0)	(0)	80,578,302
Vehicular subway and tunnel.....	138,478	50,200	(0)	36.3	2,760,683	Vehicular subway and tunnel.....	138,478	17,159,251	1,099,216	25.1	0.4	64,247,526
Telephone line and system.....	808,896	36,598	(0)	4.5	2,593,817	Telephone line and system.....	808,896	53,979,650	133,606	3.1	.2	122,877,272
Radio tower, etc.....	58,345	3,512	(0)	6.0	200,857	Radio tower, etc.....	58,345	29,867,754	130,793	3.0	.4	66,225,146
Subcontractors.....	609,327,705	9,701,859	8.3	1.4	1,404,292,744	Subcontractors.....	609,327,705	15,018,187	2,100	.1	(0)	35,607,053
Carpentering and wood flooring.....	11,788,840	6,831,602	5.9	57.9	28,244,741	Carpentering and wood flooring.....	11,788,840	0,093,709	630	(0)	(0)	21,045,073
Concrete.....	19,797,968	1,369,013	1.2	6.9	56,265,745	Concrete.....	19,797,968	7,098,733	287	(0)	(0)	19,387,416
Electrical.....	88,599,811	18,704	(0)	(0)	137,004,483	Electrical.....	88,599,811	30,910,491	17,933	.4	(0)	89,619,532
Elevator construction.....	49,790,848	17,852	(0)	(0)	75,190,212	Elevator construction.....	49,790,848	3,635,832	100	(0)	(0)	7,565,471
Heating and plumbing.....	241,837,775	124,049	.1	.1	461,112,412	Heating and plumbing.....	241,837,775	0,000,260	4,380	.1	(0)	183,690,067
Heating and piping.....	96,200,250	21,237	(0)	(0)	133,690,037	Heating and piping.....	96,200,250	112,087,044	3,700	.1	(0)	212,053,921
Pipe covering.....	3,657,018	2,106	(0)	.1	10,106,651	Pipe covering.....	3,657,018	26,877,133	32,813	.8	.1	65,181,047
Plumbing.....	112,987,044	98,746	.1	.1	212,053,921	Plumbing.....	112,987,044	17,088,968	13	(0)	(0)	80,578,302
Plumbing and heating combined.....	15,327,584	1,960	(0)	(0)	20,292,616	Plumbing and heating combined.....	15,327,584	17,159,251	1,099,216	25.1	0.4	64,247,526
Masonry.....	26,877,133	307,298	.3	(1)	66,131,047	Masonry.....	26,877,133	53,979,650	133,606	3.1	.2	122,877,272
Painting and decorating.....	17,088,958	65,225	.1	.4	30,578,302	Painting and decorating.....	17,088,958	29,867,754	130,793	3.0	.4	66,225,146
Glass and glazing.....	8,106,784	4,500	(0)	.1	15,064,302	Glass and glazing.....	8,106,784	15,018,187	2,100	.1	(0)	35,607,053
Plastering and lathing.....	17,159,251	49,940	(0)	.3	64,247,526	Plastering and lathing.....	17,159,251	0,093,709	630	(0)	(0)	21,045,073
Roofing and sheet-metal work.....	53,979,650	162,702	.1	.3	122,877,272	Roofing and sheet-metal work.....	53,979,650	7,098,733	287	(0)	(0)	19,387,416
Roofing.....	29,867,754	131,123	.1	.4	66,225,146	Roofing.....	29,867,754	30,910,491	17,933	.4	(0)	89,619,532
Sheet-metal work.....	15,018,187	28,526	(0)	.2	35,607,053	Sheet-metal work.....	15,018,187	0,093,709	630	(0)	(0)	21,045,073
Roofing and sheet metal combined.....	0,093,709	3,053	(0)	(0)	21,045,073	Roofing and sheet metal combined.....	0,093,709	7,098,733	287	(0)	(0)	19,387,416
Steel erection.....	67,934,243	78,023	.1	.1	111,900,448	Steel erection.....	67,934,243	30,910,491	17,933	.4	(0)	89,619,532
Stone work.....	7,908,733	21,206	(0)	.3	19,387,416	Stone work.....	7,908,733	30,910,491	17,933	.4	(0)	89,619,532
Marble and tiling.....	30,910,491	13,215	(0)	(0)	89,619,532	Marble and tiling.....	30,910,491	3,635,832	100	(0)	(0)	7,565,471
Wrecking.....	10,200	16,525	(0)	85.7	184,372	Wrecking.....	10,200	0,093,709	630	(0)	(0)	21,045,073
Excavating.....	1,229,762	130,155	.1	10.6	15,902,976	Excavating.....	1,229,762	0,093,709	630	(0)	(0)	21,045,073
Ornamental iron.....	12,334,047	2,750	(0)	.4	28,977,832	Ornamental iron.....	12,334,047	7,908,733	21,206	(0)	.3	19,387,416
Highway.....	1,032,178	4,382	(0)	.1	2,659,969	Highway.....	1,032,178	49,940	(0)	.3	(0)	64,247,526
Bridge and culvert.....	512,946	90,605	.1	17.7	1,495,631	Bridge and culvert.....	512,946	89,139,074	39,046	.1	(0)	235,143,234
Grading.....	147,077	2,318	(0)	1.6	2,149,958	Grading.....	147,077	30,785,722	34,797	.1	.1	88,620,606
Street paving.....	1,045,414	18,167	(0)	1.7	2,836,721	Street paving.....	1,045,414	5,308,263	3,141	(0)	.1	17,045,505
Sewer, gas, water, conduit.....	201,462	6,877	(0)	3.4	747,123	Sewer, gas, water, conduit.....	201,462	9,965,664	5,140	(0)	.1	23,272,535
Dredging, river, harbor, etc.....	680,465	85,144	.1	13.5	1,802,313	Dredging, river, harbor, etc.....	680,465	16,501,077	32,425	.1	.2	50,374,645
Soundproofing.....	2,468,796	47,935	(0)	1.9	4,859,390	Soundproofing.....	2,468,796	14,843,446	3,426	(0)	(0)	60,133,126
Foundation.....	1,195,792	79,929	.1	6.7	4,663,043	Foundation.....	1,195,792	1,898,429	3,026	(0)	.2	4,974,694
Power plant.....	685,555	1,020	(0)	.2	1,063,564	Power plant.....	685,555	43,778,485	48,089	.1	.1	128,417,899
Metal work, n. e. s.....	27,711,530	128,819	.1	.5	46,543,754	Metal work, n. e. s.....	27,711,530	43,778,485	48,089	.1	.1	128,417,899
Rental of equipment, trucking, etc.....	79,260	15,083	(0)	19.0	576,033	Rental of equipment, trucking, etc.....	79,260	452,523	650	(0)	.1	1,104,770
Flooring, n. e. s.....	3,635,832	8,855	(0)	.2	7,565,471	Flooring, n. e. s.....	3,635,832	404,500	275	(0)	.1	1,000,758

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]

UNITED STATES—Continued

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business ¹
	Cost of all materials distributed by kind	Amount	Per cent of—				Amount	Total cost	Cost of all distributed materials	Per cent of—	
			Total cost	Cost of all distributed materials							
Millwork—Continued						Waterproofing materials—Continued					
	Dollars	Dollars	(%)	(%)	Dollars		Dollars	Dollars	(%)	(%)	Dollars
Electrical.....	83,899,811	892	(0)	(0)	187,004,483	General contractors—Contd.					
Elevator construction.....	49,790,848	1,300	(0)	(0)	75,190,234	Building—Continued.					
Heating and plumbing.....	241,887,775	5,299	(0)	(0)	461,112,412	Manufacturing building					
Heating and piping.....	96,260,250	289	(0)	(0)	183,090,067	only.....	19,769,395	10,472	0.3	0.1	32,947,452
Plumbing.....	112,987,044	5,010	(0)	(0)	212,053,921	Residential building only.....	43,500,501	88,938	2.3	.2	153,065,687
Masonry.....	26,877,133	37,319	0.1	0.1	65,131,047	Highway.....	134,792,440	99,017	2.6	.1	350,399,990
Painting and decorating.....	17,088,968	1,043	(0)	(0)	80,578,302	Bridge and culvert.....	45,049,962	112,474	2.0	.2	115,123,526
Plastering and lathing.....	17,159,251	4,087	(0)	(0)	64,247,626	Grading.....	2,084,429	6,146	2.0	.2	25,225,457
Roofing and sheet-metal work.....	53,979,050	12,399	(0)	(0)	122,877,272	Street paving.....	89,139,074	39,959	1.0	(0)	235,143,234
Roofing.....	20,867,754	25	(0)	(0)	66,225,146	Sewer, gas, water, conduit.....	30,785,722	47,171	2.0	.2	85,620,606
Sheet-metal work.....	15,018,187	12,374	(0)	.1	35,607,053	Dam and reservoir.....	5,398,263	2,900	.1	.1	17,045,565
Steel erection.....	67,934,243	1,025	(0)	(0)	111,966,446	Waterworks.....	9,065,064	0,692	.3	.1	23,272,535
Stonework.....	7,908,733	3,950	(0)	(0)	19,387,416	Dredging, river, harbor, etc.....	16,501,077	23,819	.0	.1	59,374,045
Marble and tiling.....	39,919,401	10,804	(0)	(0)	80,619,532	Railroad.....	14,843,446	73,918	1.0	.5	60,133,126
Highway.....	1,062,178	1,884	(0)	.2	2,059,966	Foundation.....	1,898,429	8,004	.2	.5	4,974,094
Sewer, gas, water, conduit.....	201,462	160	(0)	.1	747,329	Central station, light and power plant.....	43,778,485	18,548	.5	(0)	128,417,899
Dredging, river, harbor, etc.....	630,405	13,040	(0)	2.1	1,802,313	Refuse disposal plant.....	404,506	5,407	1.3	1.3	1,600,758
Soundproofing.....	2,468,796	61,004	.1	2.5	4,859,350	Oil and natural gas pipe line.....	5,008,334	108,359	5.2	4.0	11,312,623
Metal work, n. e. s.....	27,711,530	10,700	(0)	(0)	40,543,754	Subway (other than buildings).....	10,734,044	284,909	7.4	1.7	56,052,015
Flooring, n. e. s.....	3,635,832	12,230	(0)	.3	7,565,471						
Composition board						Subcontractors					
All classes.....	1,572,904,870	8,131,702	100.0	.5	4,482,447,732	Carpentering and wood flooring.....	11,788,840	85,371	.0	.3	28,244,741
General contractors ²	873,037,174	3,805,121	46.8	.4	2,988,154,988	Concreting.....	10,707,968	487,416	12.7	2.5	59,265,745
Building.....	453,840,340	3,037,113	44.7	.8	1,803,326,210	Electrical.....	83,899,811	1,417	(0)	(0)	187,004,483
Building not specialized ³	373,193,715	2,692,051	33.1	.7	1,521,255,907	Elevator construction.....	40,700,848	760	(0)	(0)	75,190,234
Commercial building only.....	17,320,729	51,975	.0	.3	92,427,164	Heating and plumbing.....	241,887,775	4,722	.1	(0)	461,112,412
Manufacturing building only.....	10,759,395	424,762	5.2	2.1	32,947,452	Pipe covering.....	3,657,018	2,938	.1	.1	10,106,051
Residential building only.....	43,500,501	408,325	5.8	1.1	153,065,687	Plumbing.....	112,987,044	1,769	(0)	(0)	212,053,921
Highway.....	134,792,440	17,328	.2	(0)	350,399,990	Plumbing and heating combined.....	15,327,584	28	(0)	(0)	29,292,616
Bridge and culvert.....	45,049,962	8,951	.1	(0)	115,123,526	Masonry.....	26,877,133	27,285	.6	.1	65,131,047
Grading.....	2,084,429	1,185	(0)	(0)	25,225,457	Painting and decorating.....	17,088,968	21,709	.6	.1	89,378,302
Street paving.....	89,139,074	62,214	.0	.1	235,143,234	Plastering and lathing.....	17,159,251	77,322	2.0	.5	64,247,626
Sewer, gas, water, conduit.....	30,785,722	2,045	(0)	(0)	88,620,606	Roofing and sheet-metal work.....	53,979,050	904,301	25.9	1.8	122,877,272
Dam and reservoir.....	5,398,263	48	(0)	(0)	17,045,565	Roofing.....	20,867,754	895,881	23.3	3.0	85,225,146
Waterworks.....	9,065,064	1,166	(0)	(0)	23,272,535	Sheet-metal work.....	15,018,187	34,671	.9	.2	35,607,053
Dredging, river, harbor, etc.....	16,501,077	20,280	.2	.1	59,374,045	Roofing and sheet metal combined.....	9,093,709	63,749	1.7	.7	21,045,076
Railroad.....	14,843,446	18,000	.2	.1	60,133,126	Steel erection.....	67,934,243	5,520	.1	(0)	111,966,446
Foundation.....	1,898,429	2,542	(0)	.1	4,974,094	Stone work.....	7,908,733	7,329	.2	.1	19,387,416
Central station, light and power plant.....	43,778,485	38,305	.5	.1	128,417,899	Marble and tiling.....	39,919,401	6,309	.2	(0)	89,019,532
Oil and natural gas pipe line.....	5,008,334	5,338	.1	.1	11,312,623	Excavating.....	1,229,762	4,075	.1	.3	15,002,976
						Ornamental iron.....	12,384,047	4,560	.1	(0)	23,977,852
						Bridge and culvert.....	512,946	506	(0)	.1	1,496,631
						Grading.....	147,077	175	(0)	.1	2,149,938
						Soundproofing.....	2,468,796	9,133	.2	.4	4,859,350
						Foundation.....	1,195,792	1,912	(0)	.2	4,053,043
						Metal work, n. e. s.....	27,711,530	18,061	.5	.1	40,543,754
						Flooring, n. e. s.....	3,635,832	15,664	.4	.4	7,565,471
Hardware, rough and finished						Hardware, rough and finished					
All classes.....	1,572,904,870	8,131,702	100.0	.5	4,482,447,732	All classes.....	1,572,904,870	18,112,097	100.0	1.2	4,482,447,732
General contractors ²	873,037,174	3,805,121	46.8	.4	2,988,154,988	General contractors ²	873,037,174	16,703,871	92.2	1.9	2,988,154,988
Building.....	453,840,340	3,037,113	44.7	.8	1,803,326,210	Building.....	453,840,340	13,570,238	75.0	3.0	1,803,326,210
Building not specialized ³	373,193,715	2,692,051	33.1	.7	1,521,255,907	Building not specialized ³	373,193,715	11,172,781	61.7	3.0	1,521,255,907
Commercial building only.....	17,320,729	51,975	.0	.3	92,427,164	Commercial building only.....	17,320,729	568,497	3.1	3.3	92,427,164
Manufacturing building only.....	10,759,395	424,762	5.2	2.1	32,947,452	Manufacturing building only.....	10,759,395	40,871	.3	.3	32,947,452
Residential building only.....	43,500,501	408,325	5.8	1.1	153,065,687	Residential building only.....	43,500,501	1,788,089	9.9	4.1	153,065,687
Highway.....	134,792,440	17,328	.2	(0)	350,399,990	Highway.....	134,792,440	556,345	3.1	.4	350,399,990
Bridge and culvert.....	45,049,962	8,951	.1	(0)	115,123,526	Bridge and culvert.....	45,049,962	460,020	2.5	1.0	115,123,526
Grading.....	2,084,429	1,185	(0)	(0)	25,225,457	Grading.....	2,084,429	30,590	2.2	1.0	25,225,457
Street paving.....	89,139,074	62,214	.0	.1	235,143,234	Street paving.....	89,139,074	212,622	1.2	.2	235,143,234
Sewer, gas, water, conduit.....	30,785,722	2,045	(0)	(0)	88,620,606	Sewer, gas, water, conduit.....	30,785,722	174,865	1.0	.6	85,620,606
Dam and reservoir.....	5,398,263	48	(0)	(0)	17,045,565	Dam and reservoir.....	5,398,263	53,140	.3	1.0	17,045,565
Waterworks.....	9,065,064	1,166	(0)	(0)	23,272,535	Waterworks.....	9,065,064	128,432	.7	1.3	23,272,535
Dredging, river, harbor, etc.....	16,501,077	20,280	.2	.1	59,374,045	Dredging, river, harbor, etc.....	16,501,077	476,523	2.0	2.9	59,374,045
Railroad.....	14,843,446	18,000	.2	.1	60,133,126	Leves.....	306,404	1,246	(0)	.4	1,192,322
Foundation.....	1,898,429	2,542	(0)	.1	4,974,094	Railroad.....	14,843,446	211,995	1.2	1.4	60,133,126
Central station, light and power plant.....	43,778,485	38,305	.5	.1	128,417,899	Foundation.....	1,898,429	43,983	.2	2.3	4,974,094
Oil and natural gas pipe line.....	5,008,334	5,338	.1	.1	11,312,623	Central station, light and power plant.....	43,778,485	330,048	1.8	.8	128,417,899
						Air transport work.....	452,523	1,450	(0)	.3	1,104,770
						Refuse disposal plant.....	404,506	691	(0)	.2	1,600,758
						Oil and natural gas pipe line.....	5,008,334	2,000	(0)	(0)	11,312,623
						Subway (other than buildings).....	10,734,044	407,560	2.3	2.4	56,052,015
						Telephone line and system.....	805,896	3,938	(0)	.5	2,593,817
						Radio tower, etc.....	58,345	28,890	.2	49.5	260,857

See footnotes at end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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]

UNITED STATES—Continued

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	Cost of all materials distributed by kind	COST OF DESIGNATED MATERIAL			Value of construction business ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	Cost of all materials distributed by kind	COST OF DESIGNATED MATERIAL			Value of construction business ¹	
		Amount	Per cent of—					Amount	Total cost	Per cent of—		Cost of all distributed materials
			Total cost	Cost of all distributed materials								
Hardware, rough and finished—Continued					Paints, varnishes, glass—Continued							
Subcontractors.....	\$ 699,327,705	\$ 1,408,226	7.8	0.2	\$ 1,404,292,744	Subcontractors—Continued.....	\$ 1,572,964,879	56,035,925	100.0	3.6	\$ 4,482,447,732	
Carpentering and wood flooring.....	11,788,840	493,414	2.7	4.2	28,244,741	Masonry.....	26,877,133	11,978	(^o)	(^o)	\$ 65,181,047	
Concreting.....	10,797,968	108,946	.9	.9	56,265,745	Painting and decorating.....	17,088,958	16,720,541	49.7	97.8	80,578,302	
Electrical.....	83,899,811	32,927	.2	(^o)	187,004,483	Glass and glazing.....	8,100,784	7,650,094	22.8	94.4	15,064,802	
Elevator construction.....	49,790,848	41,341	.2	1	75,199,234	Plastering and lathing.....	17,159,251	23,476	.1	.1	64,247,526	
Heating and plumbing.....	\$ 241,887,775	57,387	.3	(^o)	\$ 461,112,412	Roofing and sheet-metal work.....	53,979,650	894,504	2.7	1.7	122,877,272	
Heating and piping.....	96,260,250	24,106	.1	(^o)	183,690,067	Roofing.....	20,867,754	300,722	.9	1.0	66,225,146	
Pipe covering.....	3,657,018	215	(^o)	(^o)	10,106,651	Sheet-metal work.....	15,018,187	571,710	1.7	3.8	35,607,053	
Plumbing.....	112,987,044	31,214	.2	(^o)	212,053,921	Roofing and sheet metal combined.....	9,093,709	13,072	(^o)	.1	21,045,073	
Plumbing and heating combined.....	15,327,584	1,852	(^o)	(^o)	29,292,616	Steel erection.....	67,934,243	214,225	.6	.3	111,966,446	
Masonry.....	26,877,133	57,254	.3	.2	65,131,047	Stone work.....	7,908,733	18,952	(^o)	.2	19,387,416	
Painting and decorating.....	17,088,958	5,599	(^o)	(^o)	80,578,302	Marble and tiling.....	39,919,491	95,009	.3	.2	89,619,532	
Plastering and lathing.....	17,159,251	29,507	.2	.2	64,247,526	Wrecking.....	19,290	280	(^o)	1.5	184,872	
Roofing and sheet-metal work.....	53,979,650	127,574	.7	.2	122,877,272	Excavating.....	1,229,752	225	(^o)	(^o)	15,902,976	
Roofing.....	29,867,754	72,567	.4	.2	66,225,146	Ornamental iron.....	12,384,047	15,164	(^o)	.1	23,977,852	
Sheet-metal work.....	15,018,187	44,371	.2	.3	35,607,053	Highway.....	1,062,178	4,700	(^o)	.4	2,650,966	
Roofing and sheet metal combined.....	9,093,709	10,546	.1	.1	21,045,073	Bridge and culvert.....	512,046	20	(^o)	(^o)	1,495,631	
Steel erection.....	67,934,243	97,709	.5	1	111,966,446	Sewer, gas, water, conduit.....	201,462	400	(^o)	.2	747,129	
Stonework.....	7,908,733	10,988	.1	.1	19,387,416	Dredging, river, harbor, etc.....	630,465	5,488	(^o)	.9	1,802,313	
Marble and tiling.....	39,919,491	49,424	.3	1	80,619,532	Soundproofing.....	2,468,796	40,374	.1	1.6	4,869,350	
Wrecking.....	19,290	245	(^o)	1.3	184,872	Power plant.....	658,555	1,445	(^o)	.2	1,063,594	
Excavating.....	1,229,752	16,177	.1	1.3	15,902,976	Metal work, n. e. s.....	27,711,530	461,368	1.4	1.7	46,543,754	
Ornamental iron.....	12,384,047	74,587	.4	.6	23,977,852	Flooring, n. e. s.....	3,635,832	36,229	.1	1.0	7,565,471	
Bridge and culvert.....	512,046	3,384	(^o)	.7	1,405,931	Roofing and sheet metal						
Grading.....	147,077	6,084	(^o)	4.1	2,149,958	All classes.....	1,572,964,879	56,035,925	100.0	3.6	4,482,447,732	
Street paving.....	1,045,414	8,732	(^o)	.8	2,830,721	General contractors ²	\$ 873,637,174	6,933,787	12.4	.8	\$ 2,988,154,988	
Dredging, river, harbor, etc.....	630,465	11,112	.1	1.8	1,802,313	Building.....	453,840,340	6,418,753	11.5	1.4	1,803,326,210	
Soundproofing.....	2,468,796	13,093	.1	.5	4,869,350	Building not specialized ³	373,193,715	5,106,619	9.1	1.4	1,524,255,907	
Foundation.....	1,195,792	40,835	.3	3.9	4,653,043	Commercial building only.....	17,320,729	280,002	.5	1.7	92,427,164	
Power plant.....	658,555	2,559	(^o)	.4	1,063,594	Manufacturing building only.....	19,759,395	188,911	.3	1.0	32,947,452	
Metal work, n. e. s.....	27,711,530	49,651	.3	.2	46,543,754	Residential building only.....	43,566,501	833,321	1.5	1.9	153,695,687	
Rental of equipment, trucking, etc.....	70,260	938	(^o)	1.2	876,033	Highway.....	134,792,440	38,421	.1	(^o)	350,399,990	
Flooring, n. e. s.....	3,635,832	2,769	(^o)	.1	7,565,471	Bridge and culvert.....	45,049,962	144,412	.3	.3	115,123,526	
Paints, varnishes, glass						Grading.....	2,984,429	683	(^o)	(^o)	25,225,457	
All classes.....	1,572,964,879	33,614,058	100.0	2.1	4,482,447,732	Street paving.....	89,139,074	37,868	.1	(^o)	235,143,234	
General contractors ³	\$ 873,637,174	6,994,135	20.8	.8	\$ 2,988,154,988	Sewer, gas, water, conduit.....	30,785,722	23,591	(^o)	.1	88,620,605	
Building.....	453,840,340	0,375,437	19.0	1.4	1,803,326,210	Dam and reservoir.....	5,398,263	21,027	(^o)	.4	17,045,595	
Building not specialized ³	373,193,715	5,224,353	15.5	1.4	1,524,255,907	Waterworks.....	9,965,664	30,674	.1	.3	23,272,535	
Commercial building only.....	17,320,729	212,712	.6	1.2	92,427,164	Dredging, river, harbor, etc.....	16,501,077	40,018	.1	.2	59,374,045	
Manufacturing building only.....	19,759,395	30,242	.1	.2	32,947,452	Railroad.....	14,843,446	34,597	.1	.2	60,133,126	
Residential building only.....	43,566,501	908,130	2.7	2.1	153,695,687	Foundation.....	1,898,429	1,941	(^o)	.1	4,974,604	
Highway.....	134,792,440	56,026	.2	(^o)	350,399,990	Central station, light and power plant.....	43,778,485	97,104	.2	.2	128,417,899	
Bridge and culvert.....	45,049,962	246,480	.7	.5	115,123,526	Oil and natural gas pipe line.....	5,008,334	13,827	(^o)	.3	11,312,623	
Grading.....	2,984,429	22,220	.1	.7	25,225,457	Subway (other than buildings).....	16,734,044	28,222	.1	.2	56,052,016	
Street paving.....	89,139,074	25,695	.1	(^o)	235,143,234	Vehicular subway and tunnel.....	138,478	3,030	(^o)	2.2	2,760,683	
Sewer, gas, water, conduit.....	30,785,722	54,121	.2	.2	83,620,605	Radio tower, etc.....	58,345	189	(^o)	.3	260,857	
Dam and reservoir.....	5,398,263	10,067	(^o)	.2	17,045,595	Subcontractors.....	\$ 699,327,705	49,102,138	87.6	7.0	\$ 1,404,292,744	
Waterworks.....	9,965,664	22,748	.1	.2	23,272,535	Carpentering and wood flooring.....	11,788,840	25,767	(^o)	.2	28,244,741	
Dredging, river, harbor, etc.....	16,501,077	40,781	.1	.2	59,374,045	Concreting.....	10,797,968	72,438	.1	.4	56,265,745	
Railroad.....	14,843,446	40,598	.1	.3	60,133,126	Electrical.....	83,899,811	44,977	.1	.1	187,004,483	
Foundation.....	1,898,429	1,319	(^o)	.1	4,974,604	Elevator construction.....	49,790,848	840	(^o)	(^o)	75,199,234	
Central station, light and power plant.....	43,778,485	81,873	.2	.2	123,417,899	Heating and plumbing.....	\$ 241,887,775	2,725,724	4.9	1.1	\$ 461,112,412	
Air transport work.....	452,623	60	(^o)	(^o)	1,104,770	Heating and piping.....	96,260,250	1,617,255	2.0	1.7	183,690,067	
Refuse disposal plant.....	404,506	416	(^o)	.1	1,600,758	Pipe covering.....	3,657,018	58,775	.1	1.6	10,166,651	
Oil and natural gas pipe line.....	5,008,334	5,204	(^o)	.1	11,312,623	Plumbing.....	112,987,044	801,595	1.4	.7	212,053,921	
Subway (other than buildings).....	16,734,044	10,298	(^o)	.1	56,052,015	Plumbing and heating combined.....	15,327,584	247,429	.4	1.6	20,292,616	
Radio tower, etc.....	58,345	732	(^o)	1.3	260,857	Masonry.....	26,877,133	12,626	(^o)	(^o)	65,131,047	
Subcontractors.....	\$ 699,327,705	26,619,923	79.2	3.8	\$ 1,404,292,744	Painting and decorating.....	17,088,958	38,237	.1	.2	80,578,302	
Carpentering and wood flooring.....	11,788,840	233,439	.7	2.0	28,244,741	Glass and glazing.....	8,100,784	15,000	(^o)	.2	15,064,802	
Concreting.....	10,797,968	70,861	.2	.4	56,265,745	Plastering and lathing.....	17,159,251	80,696	.1	.5	64,247,526	
Electrical.....	83,899,811	41,795	.1	(^o)	187,004,483	Roofing and sheet-metal work.....	53,979,650	45,488,852	81.1	84.2	122,877,272	
Elevator construction.....	49,790,848	14,233	(^o)	(^o)	75,199,234	Roofing.....	20,867,754	25,590,155	45.6	85.6	66,225,146	
Heating and plumbing.....	\$ 241,887,775	70,133	.2	(^o)	\$ 461,112,412	Sheet-metal work.....	15,018,187	11,953,869	21.3	79.6	35,607,053	
Heating and piping.....	96,260,250	25,088	.1	(^o)	183,690,067	Roofing and sheet metal combined.....	9,093,709	7,924,858	14.1	87.1	21,045,073	
Pipe covering.....	3,657,018	6,591	(^o)	.2	10,166,651	Steel erection.....	67,934,243	363,549	.6	.5	111,966,446	
Plumbing.....	112,987,044	34,342	.1	(^o)	212,053,921	Stone work.....	7,908,733	5,076	(^o)	.1	19,387,416	
Plumbing and heating combined.....	15,327,584	3,612	(^o)	(^o)	29,292,616	Marble and tiling.....	39,919,491	103,051	.2	.3	89,619,532	
						Wrecking.....	19,290	840	(^o)	4.4	184,872	

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]

UNITED STATES—Continued

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business 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
Roofing and sheet metal—Continued						Screens, shades, awnings, etc.—Continued							
Subcontractors—Continued.	Dollars	Dollars	(%)	(%)	Dollars	Subcontractors	Dollars	Dollars	52.7	0.2	Dollars		
Excavating	1,220,752	225	(0)	(0)	15,902,976	Carpentering and wood flooring	1,225,168	33,449	1.4	(3)	28,244,741		
Ornamental iron	12,384,047	3,500	(0)	(0)	23,977,852	Concreting	10,797,968	50	(0)	(0)	50,205,745		
Sewer, gas, water, conduit	201,462	900	(0)	0.4	747,120	Heating and plumbing	241,887,775	7,915	.3	(0)	401,112,412		
Dredging, river, harbor, etc.	630,465	13,457	(0)	2.1	1,802,313	Heating and piping	90,200,250	7,890	.3	(0)	183,650,007		
Soundproofing	2,468,796	122,881	0.2	5.0	4,859,350	Plumbing	112,987,044	25	(0)	(0)	212,053,921		
Power plant	658,555	882	(0)	.1	1,063,504	Masonry	20,877,133	200	(0)	(0)	65,131,047		
Metal work, n. e. s.	27,711,530	24,500	(0)	.1	46,543,754	Painting and decorating	17,088,958	117,856	5.1	.7	80,578,302		
Flooring, n. e. s.	3,635,832	8,000	(0)	.2	7,565,471	Glass and glazing	8,100,784	723	(0)	(0)	15,004,802		
Finished flooring (other than cement, wood, or tile)						Roofing and sheet-metal work	53,970,650	11,436	.5	(0)	122,877,272		
All classes	1,572,964,879	7,027,319	100.0	.4	4,482,447,732	Roofing	20,867,754	88	(0)	(0)	60,225,146		
General contractors ²	487,637,174	3,487,846	40.6	.4	2,088,154,988	Sheet-metal work	15,018,187	4,856	.2	(0)	35,607,053		
Building	453,840,340	3,405,084	48.5	.8	1,803,326,210	Roofing and sheet metal combined	9,093,709	6,513	.3	.1	21,045,073		
Building not specialized ³	373,193,715	2,844,835	40.5	.8	1,524,255,907	Marble and tiling	39,919,491	324	(0)	(0)	80,619,582		
Commercial building only	17,320,729	63,187	.9	.4	92,427,164	Metal work, n. e. s.	27,711,530	1,013,294	43.0	8.7	46,543,754		
Manufacturing building only	10,750,395	8,000	.1	(0)	32,947,452	Flooring, n. e. s.	3,635,832	30,921	1.7	1.1	7,565,471		
Residential building only	43,566,501	450,062	7.0	1.1	153,695,687	Heating and ventilating equipment							
Highway	134,792,440	15,380	.2	(0)	350,899,990	All classes	1,572,964,879	125,122,220	100.0	8.0	4,482,447,732		
Bridge and culvert	45,649,062	28,050	.4	.1	115,123,526	General contractors ²	487,637,174	10,636,162	8.5	1.2	2,088,154,988		
Grading	2,984,429	165	(0)	(0)	25,225,457	Building	453,840,340	7,814,376	6.2	1.7	1,803,326,210		
Street paving	89,139,074	0,297	.1	(0)	235,143,234	Building not specialized ³	373,193,715	4,359,973	3.5	1.2	1,524,255,907		
Sewer, gas, water, conduit	30,785,722	4,315	.1	(0)	88,620,006	Commercial building only	17,320,729	212,415	.2	1.2	92,427,164		
Dam and reservoir	5,398,293	320	(0)	(0)	17,045,505	Manufacturing building only	10,750,395	2,305,312	1.9	12.1	32,947,452		
Dredging, river, harbor, etc.	10,501,077	2,203	(0)	(0)	50,374,645	Residential building only	43,566,501	840,676	.7	1.0	153,695,687		
Railroad	14,843,440	11,310	.2	.1	60,133,126	Highway	134,792,440	10,723	(0)	(0)	350,899,990		
Foundation	1,898,429	151	(0)	(0)	4,074,604	Bridge and culvert	45,649,062	258,026	.2	.6	115,123,526		
Central station, light and power plant	43,778,485	12,200	.2	(0)	128,417,899	Grading	2,984,429	0,818	(0)	.2	25,225,457		
Radio tower, etc.	58,345	505	(0)	1.0	260,857	Street paving	89,139,074	21,772	(0)	(0)	235,143,234		
Subcontractors	4,690,327,705	3,539,473	50.4	.5	1,404,292,744	Sewer, gas, water, conduit	30,785,722	162,121	.1	.5	88,620,006		
Carpentering and wood flooring	11,788,840	344,908	4.0	2.0	28,244,741	Dam and reservoir	5,398,293	19,056	.4	.4	17,045,505		
Concreting	10,797,968	64,799	.9	.3	56,265,745	Waterworks	9,965,664	38,158	(0)	.4	23,272,535		
Elevator construction	49,790,848	444	(0)	(0)	75,199,234	Dredging, river, harbor, etc.	630,465	13,457	(0)	.2	50,374,645		
Heating and plumbing	241,887,775	5,575	.1	(0)	461,112,412	Railroad	14,843,440	308,643	.2	2.1	60,133,126		
Heating and piping	90,200,250	1,110	(0)	(0)	183,690,007	Foundation	1,898,429	985	(0)	.1	4,074,604		
Plumbing	112,987,044	4,065	.1	(0)	212,053,921	Central station, light and power plant	43,778,485	1,883,620	1.5	4.3	128,417,899		
Plumbing and heating combined	15,327,584	400	(0)	(0)	20,202,616	Air transport work	452,523	10,000	(0)	2.2	1,104,770		
Masonry	20,877,133	366	(0)	(0)	65,131,047	Refuse disposal plant	404,506	7,756	(0)	1.9	1,600,768		
Painting and decorating	17,088,958	2,280	(0)	(0)	80,578,302	Oil and natural gas pipe line	5,008,334	47,526	(0)	.9	11,312,623		
Roofing and sheet-metal work	53,970,650	129,589	1.8	.2	122,877,272	Subway (other than buildings)	16,734,644	7,939	(0)	(0)	50,052,015		
Roofing	20,867,754	38,220	.5	.1	66,225,146	Subcontractors	4,690,327,705	114,480,058	91.5	16.4	1,404,292,744		
Roofing and sheet metal combined	9,093,709	91,369	1.3	1.0	21,045,073	Carpentering and wood flooring	11,788,840	6,150	(0)	.1	28,244,741		
Stonework	7,908,733	140	(0)	(0)	10,387,416	Electrical	83,899,811	1,003,258	.8	1.2	187,004,483		
Marble and tiling	39,919,491	228,756	3.3	.6	80,619,582	Elevator construction	49,790,848	52,400	(0)	.1	75,199,234		
Ornamental iron	12,384,047	69,055	1.0	.6	23,977,852	Heating and plumbing	241,887,775	110,321,038	88.2	45.6	401,112,412		
Soundproofing	2,468,796	210,940	3.0	8.5	4,859,350	Heating and piping	90,200,250	79,431,881	63.5	32.5	183,650,007		
Metal work, n. e. s.	27,711,530	6,867	.1	(0)	46,543,754	Pipe covering	3,635,832	2,355,786	1.9	64.4	10,106,651		
Flooring, n. e. s.	3,635,832	2,475,094	35.2	68.1	7,565,471	Plumbing	112,987,044	20,468,654	10.4	18.1	212,053,921		
Screens, shades, awnings, etc.						Plumbing and heating combined	15,327,584	6,380,081	5.1	41.6	20,202,616		
All classes	1,572,964,879	2,325,900	100.0	.1	4,482,447,732	Automatic temperature control	1,494,229	1,494,229	1.2	100.0	4,343,140		
General contractors ²	487,637,174	1,100,732	47.3	.1	2,088,154,988	Automatic sprinkler systems	12,161,650	189,462	.2	1.6	21,626,017		
Building	453,840,340	1,050,942	45.6	.2	1,803,326,210	Masonry	20,877,133	4,856	(0)	(0)	65,131,047		
Building not specialized ³	373,193,715	743,954	32.0	.2	1,524,255,907	Painting and decorating	17,088,958	311	(0)	(0)	80,578,302		
Commercial building only	17,320,729	19,506	.8	.1	92,427,164	Plastering and lathing	17,159,251	645	(0)	(0)	64,247,526		
Manufacturing building only	10,750,395	296,482	12.7	.7	153,695,687	Roofing and sheet-metal work	53,970,650	2,242,749	1.8	4.2	122,877,272		
Residential building only	43,566,501	2,220	.1	(0)	350,899,990	Roofing	20,867,754	488,742	.4	1.0	60,225,146		
Highway	134,792,440	2,066	.1	(0)	115,123,526	Sheet-metal work	15,018,187	1,266,758	1.0	8.4	35,607,053		
Bridge and culvert	45,649,062	3,480	.1	.1	25,225,457	Roofing and sheet metal combined	9,093,709	487,249	.4	5.4	21,045,073		
Grading	2,984,429	1,739	.1	(0)	88,620,006	Steel erection	67,934,243	680,793	.5	1.0	111,965,446		
Street paving	89,139,074	3,008	.1	(0)	17,045,505	Stone work	7,908,733	183	(0)	.1	10,387,416		
Sewer, gas, water, conduit	30,785,722	35	(0)	(0)	23,272,535	Marble and tiling	39,919,491	48,439	(0)	.1	80,619,582		
Dam and reservoir	5,398,293	712	(0)	(0)	59,374,645	Soundproofing	2,468,796	118,281	.1	4.8	4,859,350		
Waterworks	9,965,664	300	(0)	(0)	128,417,899	Metal work, n. e. s.	27,711,530	4,900	(0)	(0)	46,543,754		
Dredging, river, harbor, etc.	10,501,077	27,146	1.2	.1	1,104,770	Flooring, n. e. s.	3,635,832	2,000	(0)	.1	7,565,471		
Central station, light and power plant	43,778,485	75	(0)	(0)									
Air transport work	452,523												

See footnotes at end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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]

UNITED STATES—Continued

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	Cost of all materials distributed by kind	COST OF DESIGNATED MATERIAL			Value of construction business ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	Cost of all materials distributed by kind	COST OF DESIGNATED MATERIAL			Value of construction business ¹
		Amount	Per cent of—					Amount	Per cent of—		
			Total cost	Cost of all distributed materials					Total cost	Cost of all distributed materials	
<i>Plumbing and gas fitting equipment</i>											
All classes	1,572,964,879	130,937,637	100.0	8.3	4,482,447,732						
General contractors ²	873,637,174	10,796,385	8.2	1.2	2,988,154,988	General contractors ² —Con. power plant	43,778,485	9.3	21.1	128,417,899	
Building	453,840,340	8,714,498	6.7	1.9	1,803,326,210	Refuse disposal plant	404,506	(^o)	8.1	1,600,768	
Building not specialized ³	373,193,715	4,359,053	3.3	1.2	1,524,255,907	Oil and natural gas pipe line	5,008,334	194,948	.2	3.9	11,312,623
Commercial building only	17,320,729	261,942	.2	1.5	92,427,164	Subway (other than buildings)	10,734,644	177,107	.2	1.1	56,052,015
Manufacturing building only	19,759,395	2,630,304	2.0	13.3	32,947,452	Miscellaneous, n. e. s.	147,713	14,713	(^o)	10.0	219,656
Residential building only	43,566,501	1,463,109	1.1	3.4	153,695,687	Subcontractors	699,327,705	83,419,355	83.9	11.9	1,494,292,744
Highway	134,792,440	60,228	(^o)	.5	350,399,990	Carpentering and wood flooring	11,788,840	9,114	(^o)	.1	28,244,741
Bridge and culvert	45,049,902	231,679	(^o)	.2	115,123,526	Concreting	19,797,908	12,106	(^o)	.1	56,265,745
Grading	2,984,429	6,103	(^o)	.2	25,225,457	Electrical	83,899,811	80,637,251	81.1	96.1	187,004,483
Street paving	89,139,074	252,657	.2	.3	235,143,234	Elevator construction	49,790,848	451,816	.5	.9	75,199,234
Sewer, gas, water, conduit	30,785,722	627,323	.4	1.7	85,620,606	Heating and plumbing	241,887,775	1,140,046	1.1	.5	461,112,412
Dam and reservoir	5,398,263	91,967	.1	1.7	17,045,565	Heating and piping	96,280,250	414,066	.4	.4	183,690,067
Waterworks	9,965,664	430,068	.3	4.3	23,272,535	Pipe covering	3,657,018	18	(^o)	(^o)	10,106,651
Dredging, river, harbor, etc.	16,501,077	57,648	(^o)	.3	59,374,645	Plumbing	112,987,044	610,962	.6	.5	212,053,921
Levee	306,404	390	(^o)	.1	1,192,322	Plumbing and heating combined	15,327,684	105,627	.1	.7	29,292,616
Railroad	14,843,446	2,719	(^o)	.0	60,133,126	Automatic sprinkler systems	12,161,050	473	(^o)	(^o)	21,626,017
Foundation	1,898,429	7,744	(^o)	.4	4,974,694	Masonry	26,877,133	3,344	(^o)	(^o)	65,131,047
Central station, light and power plant	43,778,485	226,575	.2	.5	128,417,899	Painting and decorating	17,088,958	46,426	(^o)	.3	80,578,302
Refuse disposal plant	404,506	998	(^o)	.2	1,000,758	Plastering and lathing	17,159,251	136	(^o)	(^o)	64,247,526
Oil and natural gas pipe line	5,008,334	130,011	.1	2.6	11,312,623	Roofing and sheet-metal work	53,979,050	42,751	(^o)	.1	122,877,272
Subway (other than buildings)	10,734,644	50,977	(^o)	.3	56,052,015	Roofing	29,897,754	8,900	(^o)	(^o)	66,225,146
Subcontractors	699,327,705	120,191,252	91.8	17.2	1,494,292,744	Sheet-metal work	15,018,187	33,035	(^o)	.2	35,607,053
Carpentering and wood flooring	11,788,840	55,297	(^o)	.5	28,244,741	Roofing and sheet metal combined	9,093,709	216	(^o)	(^o)	21,045,073
Concreting	19,797,908	40,004	(^o)	.2	56,265,745	Steel erection	67,934,243	32,581	(^o)	(^o)	111,966,446
Electrical	83,899,811	324,716	(^o)	.2	187,004,483	Stone work	7,908,733	3,728	(^o)	(^o)	10,387,410
Elevator construction	49,790,848	29,975	(^o)	.4	75,199,234	Marble and tiling	39,919,491	250,089	.3	.6	89,019,532
Heating and plumbing	241,887,775	118,838,275	90.7	49.1	461,112,412	Excavating	1,229,752	1,619	(^o)	.1	15,902,976
Heating and piping	96,280,250	11,472,713	8.8	11.9	183,690,067	Ornamental iron	12,384,047	19,237	(^o)	.2	23,977,862
Pipe covering	3,657,018	2,599	(^o)	.1	10,106,651	Grading	147,077	1,600	(^o)	1.1	2,149,958
Plumbing	112,987,044	87,803,345	67.1	77.8	212,053,921	Sewer, gas, water, conduit	201,462	500	(^o)	.2	747,120
Plumbing and heating combined	15,327,684	7,790,367	5.9	50.8	29,292,616	Dredging, river, harbor, etc.	630,465	12,904	(^o)	2.0	1,802,313
Automatic sprinkler systems	12,161,050	11,709,281	8.9	96.3	21,626,017	Soundproofing	2,468,796	2,000	(^o)	.1	4,859,360
Masonry	26,877,133	5,539	(^o)	(^o)	65,131,047	Foundation	1,195,792	1,529	(^o)	.1	4,653,043
Roofing and sheet-metal work	53,979,050	535,663	.4	1.0	122,877,272	Power plant	658,555	492,633	.5	74.8	1,063,564
Roofing	29,897,754	122,676	.1	.4	66,225,146	Metal work, n. e. s.	27,711,530	267,945	.3	.9	46,543,754
Sheet-metal work	15,018,187	257,998	.2	1.7	36,607,053						
Roofing and sheet metal combined	9,093,709	155,589	.1	1.7	21,045,073	<i>Elevators, dumb-waiters, and equipment</i>					
Steel erection	67,934,243	5,988	(^o)	(^o)	111,966,446	All classes	1,572,964,879	51,552,310	100.0	3.3	4,482,447,732
Stonework	7,908,733	3,472	(^o)	.1	19,387,416	General contractors ²	873,637,174	1,798,368	3.5	.2	2,988,154,988
Marble and tiling	39,919,491	21,716	(^o)	.1	89,019,532	Building	453,840,340	1,076,684	3.3	.4	1,803,326,210
Excavating	1,229,752	3,823	(^o)	.3	15,902,976	Building not specialized ³	373,193,715	1,308,768	2.7	.4	1,524,255,907
Sewer, gas, water, conduit	201,462	24,677	(^o)	12.2	747,129	Commercial building only	17,320,729	262,906	.5	1.5	92,427,164
Metal work, n. e. s.	27,711,530	302,047	.2	1.1	46,543,754	Manufacturing building only	19,759,395	23,200	(^o)	.1	32,947,452
						Residential building only	43,566,501	21,810	(^o)	.1	153,695,687
						Highway	134,792,440	3,648	(^o)	.2	350,399,990
						Bridge and culvert	45,049,902	86,998	.2	.2	115,123,526
						Street paving	89,139,074	4,229	(^o)	(^o)	235,143,234
						Sewer, gas, water, conduit	30,785,722	12,292	(^o)	(^o)	88,620,606
						Dredging, river, harbor, etc.	16,501,077	1,000	(^o)	(^o)	59,374,645
						Foundation	1,898,429	60	(^o)	(^o)	4,974,694
						Central station, light and power plant	43,778,485	12,300	(^o)	(^o)	128,417,899
						Refuse disposal plant	404,506	1,187	(^o)	.3	1,600,768
						Subcontractors	699,327,705	49,753,942	96.5	7.1	1,494,292,744
						Carpentering and wood flooring	11,788,840	1,002	(^o)	.1	28,244,741
						Concreting	19,797,908	47,072	.1	.1	187,004,483
						Electrical	83,899,811	48,861,647	94.8	98.1	75,199,234
						Elevator construction	49,790,848	22,687	(^o)	(^o)	461,112,412
						Heating and plumbing	241,887,775	950	(^o)	(^o)	183,690,067
						Heating and piping	96,280,250	20,787	(^o)	(^o)	212,053,921
						Plumbing	112,987,044		(^o)	(^o)	
						Plumbing and heating combined	15,327,684	950	(^o)	(^o)	29,292,616
						Masonry	26,877,133	7,400	(^o)	(^o)	65,131,047
						Plastering and lathing	17,159,251	150	(^o)	(^o)	64,247,526

See footnotes at end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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]

UNITED STATES—Continued

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	Cost of all materials distributed by kind	COST OF DESIGNATED MATERIAL			Value of construction business ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	Cost of all materials distributed by kind	COST OF DESIGNATED MATERIAL			Value of construction business ¹
		Amount	Per cent of—					Amount	Per cent of—		
			Total cost	Cost of all distributed materials					Total cost	Cost of all distributed materials	
<i>Elevators, dumb-waiters, and equipment—Contd.</i>											
<i>Subcontractors—Continued</i>											
Roofing and sheet-metal work	\$ 53,979,650	\$ 7,500	(%)	(%)	\$ 122,877,272						
Sheet-metal work	15,018,187	7,500	(%)	(%)	35,607,053						
Steel erection	67,934,243	748,700	1.5	1.1	111,966,446						
Marble and tiling	30,919,491	1,250	(%)	(%)	89,019,532						
Ornamental iron	12,384,047	31,235	.1	.3	23,977,862						
Metal work, n. e. s.	27,711,530	24,300	(%)	.1	46,543,754						
<i>Pipe: Drain tile, vitrified, concrete, segment tile, corrugated</i>											
All classes	1,572,964,870	20,344,184	100.0	1.3	4,482,447,732						
<i>General contractors²</i>											
Building	\$ 873,637,174	18,000,010	92.9	2.2	\$ 2,988,154,988						
Building not specialized ³	453,840,340	1,027,751	5.1	.2	1,803,326,210						
Commercial building only	378,193,715	885,121	4.4	.2	1,524,255,907						
Manufacturing building only	17,320,729	18,539	.1	.1	92,427,104						
Residential building only	19,759,395	46,220	.2	.2	32,047,452						
Highway	43,566,501	77,871	.4	.2	163,695,687						
Bridge and culvert	134,792,440	2,780,076	13.7	2.1	350,399,990						
Grading	45,040,962	184,752	.9	.4	115,123,526						
Street paving	2,984,420	242,560	2.1	8.1	25,225,457						
Sewer, gas, water, conduit	89,139,074	2,101,600	10.3	2.4	235,143,234						
Dam and reservoir	30,785,722	9,220,533	45.3	30.0	88,620,006						
Waterworks	5,398,263	894,189	4.4	16.6	17,045,565						
Dredging, river, harbor, etc.	9,965,664	892,565	4.2	8.7	23,272,535						
Levee	10,501,077	754,418	3.7	4.6	59,374,045						
Railroad	306,404	30,014	.2	12.7	1,192,322						
Foundation	14,843,446	114,914	.6	.8	60,133,126						
Central station, light and power plant	1,898,420	7,351	(%)	.4	4,974,694						
Air transport work	43,778,485	66,975	.3	.2	128,417,899						
Refuse disposal plant	452,523	2,687	(%)	.6	1,104,770						
Oil and natural gas pipe line	404,506	13,990	.1	3.5	1,000,758						
Subway (other than buildings)	5,008,334	7,201	(%)	.1	11,312,623						
Telephone line and system	16,734,644	144,700	.7	.9	56,052,015						
Subcontractors	808,896	434,554	2.1	53.7	2,693,817						
Carpentering and wood flooring	\$ 699,327,705	1,444,174	7.1	.2	\$ 1,494,292,744						
Concrete	11,788,840	400	(%)	(%)	28,244,741						
Electrical	19,797,968	65,372	.3	.3	56,265,745						
Heating and plumbing	83,899,811	33,551	.2	(%)	187,004,483						
Plumbing and heating combined	49,790,848	972,003	4.8	4.4	461,112,412						
Masonry	241,887,775	245,567	1.2	.3	183,690,067						
Roofing and sheet-metal work	96,260,250	1,000	(%)	(%)	10,106,651						
Plastering and lathing	112,987,044	596,345	2.9	.5	212,053,921						
Excavating	15,327,584	120,091	5.0	.8	29,292,616						
Highway	26,877,133	64,393	.3	.2	65,131,047						
Bridge and culvert	17,159,251	3,407	(%)	(%)	64,247,526						
Grading	53,979,650	5,594	(%)	(%)	122,877,272						
Street paving	20,807,754	2,850	(%)	(%)	66,225,146						
Sewer, gas, water, conduit	15,018,187	2,744	(%)	(%)	35,607,053						
Dam and reservoir	67,934,243	19,272	.1	(%)	111,966,446						
Waterworks	7,098,733	558	(%)	(%)	19,387,416						
Dredging, river, harbor, etc.	1,229,752	156,354	.8	12.7	15,902,976						
Levee	1,062,178	7,963	(%)	.7	2,060,966						
Foundation	512,046	5,895	(%)	1.1	1,495,631						
Central station, light and power plant	147,077	850	(%)	(%)	2,140,968						
Air transport work	1,045,414	16,107	.1	1.5	2,830,721						
Refuse disposal plant	201,462	47,069	.2	23.7	747,129						
Oil and natural gas pipe line	31,800	12,100	.1	38.1	71,000						
Subway (other than buildings)	50,024	4,840	(%)	3.2	263,158						
Telephone line and system	630,465	21,127	.1	3.4	1,802,313						
Soundproofing	2,468,796	5,819	(%)	.2	4,859,350						
Metal work, n. e. s.	27,711,530	180	(%)	(%)	46,543,754						
Rental of equipment, trucking, etc.	70,280	750	(%)	.9	570,033						
<i>Pipe: Cast iron, sheet and tube steel, etc.</i>											
All classes	1,572,964,870	33,214,720	100.0	2.1	4,482,447,732						
<i>General contractors²</i>											
Building	\$ 873,637,174	25,090,118	75.6	2.9	\$ 2,988,154,988						
Building not specialized ³	453,840,340	6,628,937	20.0	1.5	1,803,326,210						
Commercial building only	373,193,715	2,733,357	8.2	.7	1,524,255,907						
Manufacturing building only	17,320,729	55,443	.2	.3	92,427,104						
Residential building only	19,759,395	3,811,780	11.5	10.3	32,947,452						
Highway	43,566,501	28,357	.1	.1	153,695,687						
Bridge and culvert	134,792,440	1,258,317	3.8	.9	350,399,990						
Grading	45,040,962	204,143	.6	.4	115,123,526						
Street paving	2,984,420	88,450	.3	3.0	25,225,457						
Sewer, gas, water, conduit	89,139,074	977,317	2.9	1.1	235,143,234						
Dam and reservoir	30,785,722	3,987,747	12.0	13.0	88,620,006						
Waterworks	5,398,263	131,254	.4	2.4	17,045,565						
Dredging, river, harbor, etc.	9,965,664	3,820,083	11.5	38.3	23,272,535						
Levee	10,501,077	194,360	.6	1.2	59,374,045						
Railroad	306,404	104,922	.3	34.2	1,192,322						
Foundation	14,843,446	121,112	.4	.8	60,133,126						
Central station, light and power plant	1,898,420	13,800	(%)	.7	4,974,694						
Air transport work	43,778,485	3,357,500	10.1	7.7	128,417,899						
Refuse disposal plant	452,523	2,900	(%)	.6	1,104,770						
Oil and natural gas pipe line	404,506	23,454	.1	5.8	1,000,758						
Subway (other than buildings)	5,008,334	3,718,107	11.2	74.2	11,312,623						
Telephone line and system	16,734,644	450,129	1.4	2.7	56,052,015						
Vehicular subway and tunnel	138,478	2,400	(%)	1.8	2,760,693						
Telephone line and system	808,896	8,006	(%)	1.0	2,593,817						
<i>Subcontractors</i>											
Carpentering and wood flooring	\$ 699,327,705	8,115,611	24.4	1.2	\$ 1,494,292,744						
Concrete	11,788,840	649	(%)	(%)	28,244,741						
Electrical	19,797,968	35,500	.1	.2	56,265,745						
Heating and plumbing	83,899,811	904,897	2.7	1.1	187,004,483						
Plumbing and heating combined	49,790,848	7,583	(%)	(%)	75,199,234						
Masonry	241,887,775	4,878,699	14.7	2.0	461,112,412						
Roofing and sheet-metal work	96,260,250	2,037,226	6.3	2.2	183,690,067						
Plastering and lathing	112,987,044	1,020,754	5.8	1.7	212,053,921						
Excavating	15,327,584	599,782	1.8	3.9	29,292,616						
Highway	26,877,133	200,937	.8	2.1	21,626,017						
Bridge and culvert	17,159,251	2,317	(%)	(%)	65,131,047						
Grading	53,979,650	17,159,251	(%)	(%)	64,247,526						
Street paving	20,807,754	43,724	.1	.1	122,877,272						
Sewer, gas, water, conduit	15,018,187	11,692	(%)	(%)	66,225,146						
Dam and reservoir	67,934,243	20,847	.1	.1	35,607,053						
Waterworks	7,098,733	11,185	(%)	.1	21,045,073						
Dredging, river, harbor, etc.	1,229,752	280,739	.8	.4	11,969,440						
Levee	1,062,178	7,908,733	(%)	(%)	19,337,416						
Foundation	512,046	375	(%)	(%)	6,819,582						
Central station, light and power plant	147,077	760	(%)	(%)	15,902,976						
Air transport work	1,045,414	98,740	.3	.5	23,977,862						
Refuse disposal plant	201,462	55,745	.2	.5	2,050,966						
Oil and natural gas pipe line	31,800	210,620	(%)	19.8	1,495,631						
Subway (other than buildings)	50,024	3,800	(%)	.7	747,129						
Telephone line and system	630,465	29,415	.1	14.6	71,000						
Vehicular subway and tunnel	1,195,792	31,800	(%)	10.1	71,000						
Telephone line and system	808,896	145,184	.4	96.8	293,153						
Excavating	15,327,584	2,313	(%)	.4	1,802,313						
Highway	26,877,133	242,520	.7	20.3	4,653,043						
Bridge and culvert	17,159,251	45,813	.1	7.0	1,093,594						
Grading	53,979,650	1,122,790	3.4	4.1	46,543,754						
Street paving	20,807,754	2,813	(%)	.7	66,225,146						
Sewer, gas, water, conduit	15,018,187	242,520	.7	20.3	4,653,043						
Dam and reservoir	67,934,243	45,813	.1	7.0	1,093,594						
Waterworks	7,098,733	1,122,790	3.4	4.1	46,543,754						
Dredging, river, harbor, etc.	1,229,752	2,813	(%)	.7	1,802,313						
Levee	1,062,178	242,520	.7	20.3	4,653,043						
Foundation	512,046	45,813	.1	7.0	1,093,594						
Central station, light and power plant	147,077	1,122,790	3.4	4.1	46,543,754						
Air transport work	1,045,414	2,813	(%)	.7	66,225,146						
Refuse disposal plant	201,462	242,520	.7	20.3	4,653,043						
Oil and natural gas pipe line	31,800	45,813	.1	7.0	1,093,594						
Subway (other than buildings)	50,024	1,122,790	3.4	4.1	46,543,754						
Telephone line and system	630,465	2,813	(%)	.7	1,802,313						
Vehicular subway and tunnel	1,195,792	242,520	.7	20.3	4,653,043						
Telephone line and system	808,896	45,813	.1	7.0	1,093,594						
Metal work, n. e. s.	27,711,530	1,122,790	3.4	4.1	46,543,754						
<i>Wire cable, guards, and fencing</i>											
All classes	1,572,964,870	3,332,661	100.0	.2	4,482,447,732						
<i>General contractors²</i>											
Building	\$ 873,637,174	2,689,713	80.7	.3	\$ 2,988,154,988						
Building not specialized ³	453,840,340	514,568	15.4	.1	1,803,326,210						
Commercial building only	373,193,715	480,507	14.4	.1	1,524,255,907						

See footnotes at end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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]

UNITED STATES—Continued

KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business ¹	KIND OF MATERIAL AND CLASSIFICATION OF ESTABLISHMENTS	COST OF DESIGNATED MATERIAL				Value of construction business 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
Ready mixed concrete—Continued						Metal products, n. e. s. (including metal furniture)—Continued							
General contractors—Contd.						General contractors—Contd.							
Subway (other than buildings)	Dollars	Dollars			Dollars	Subway (other than buildings)	Dollars	Dollars			Dollars		
Telephone line and system	16,734,644	127,432	4.2	0.8	56,052,015	Telephone line and system	16,734,644	24,690	0.1	0.1	56,052,015		
	808,896	45,702	1.5	5.6	2,593,817		808,896	50,000	.3	6.2	2,593,817		
Subcontractors	690,327,705	127,383	4.2	(*)	51,494,292,744	Subcontractors	690,327,705	15,340,985	78.0	2.2	51,494,292,744		
Concreting	19,797,998	57,710	1.9	.3	50,265,745	Carpen-tering and wood flooring	11,788,840	28,100	.1	.2	28,244,741		
Masonry	26,877,133	50,644	1.7	.2	65,131,047	Heating and plumbing	241,887,775	12,664	.1	(*)	461,112,412		
Steel erection	67,934,243	980	(*)	(*)	111,969,446	Heating and piping	96,260,250	11,277	.1	(*)	183,690,067		
Excavating	1,220,752	5,407	.2	.4	15,902,976	Pipe covering	3,657,018	887	(*)	(*)	10,100,651		
Foundation	1,195,792	12,630	.4	1.1	4,653,043	Plumbing and heating combined	15,327,584	500	(*)	(*)	29,292,616		
Machinery						Masonry	20,877,133	4,438	(*)	(*)	65,131,047		
All classes	71,572,964,879	18,766,994	100.0	1.2	84,482,447,732	Painting and decorating	17,088,958	10,000	.1	.1	80,578,302		
General contractors	858,292,835	18,410,061	98.1	2.1	82,916,569,075	Glass and glazing	8,100,784	130,908	.7	1.6	15,064,802		
Building	438,496,051	7,390,935	39.4	1.7	81,731,740,297	Roofing and sheet-metal work	53,979,650	11,902	.1	(*)	122,877,272		
Building not specialized	357,849,426	6,472,346	34.5	1.8	1,452,069,094	Roofing	20,867,754	4,098	(*)	(*)	66,225,146		
Commercial building only	17,320,720	320,435	1.7	1.9	92,427,164	Sheet-metal work	15,018,187	7,372	(*)	(*)	35,607,053		
Manufacturing building only	19,759,395	598,154	3.2	3.0	32,947,452	Roofing and sheet metal combined	9,093,709	432	(*)	(*)	21,045,073		
Bridges and culvert	45,649,962	123,853	.7	.3	115,123,526	Steel erection	67,934,243	2,288,300	11.8	3.4	111,969,446		
Sewer, gas, water, conduit	30,785,722	15,000	.1	(*)	88,020,606	Marble and tiling	30,919,491	279,592	1.4	.7	89,619,532		
Dam and reservoir	5,398,293	203,961	1.6	5.4	17,045,565	Ornamental iron	12,384,047	6,255	(*)	.1	23,977,852		
Waterworks	9,965,664	589,138	3.1	5.9	23,272,535	Dredging, river, harbor, etc.	10,501,077	18,214	.1	2.9	1,802,313		
Dredging, river, harbor, etc.	10,501,077	181,754	1.0	1.1	59,374,645	Central station, light and power plant	43,778,485	9,414,500	50.2	21.5	128,417,899		
Central station, light and power plant	43,778,485	9,414,500	50.2	21.5	128,417,899	Oil and natural gas pipe line	5,008,334	400,920	2.1	8.0	11,312,623		
Oil and natural gas pipe line	5,008,334	400,920	2.1	8.0	11,312,623	Subcontractors	690,327,705	350,933	1.9	1.9	51,494,292,744		
Subcontractors	690,327,705	350,933	1.9	1.9	51,494,292,744	Concreting	19,797,998	5,282	(*)	(*)	50,265,745		
Concreting	19,797,998	5,282	(*)	(*)	50,265,745	Electrical	83,899,811	92,456	.5	.1	187,004,483		
Electrical	83,899,811	92,456	.5	.1	187,004,483	Elevator construction	40,790,848	34,493	.2	.1	75,199,234		
Elevator construction	40,790,848	34,493	.2	.1	75,199,234	Heating and plumbing	241,887,775	197,341	1.1	.1	461,112,412		
Heating and plumbing	241,887,775	197,341	1.1	.1	461,112,412	Heating and piping	96,260,250	174,841	.9	.2	183,690,067		
Heating and piping	96,260,250	174,841	.9	.2	183,690,067	Plumbing	112,937,044	23,000	.1	(*)	212,053,921		
Plumbing	112,937,044	23,000	.1	(*)	212,053,921	Roofing and sheet-metal work	53,979,650	14,689	.1	(*)	122,877,272		
Roofing and sheet-metal work	53,979,650	14,689	.1	(*)	122,877,272	Sheet-metal work	15,018,187	14,089	.1	(*)	35,607,053		
Sheet-metal work	15,018,187	14,089	.1	(*)	35,607,053	Steel erection	67,934,243	11,822	.1	(*)	111,969,446		
Steel erection	67,934,243	11,822	.1	(*)	111,969,446	Ornamental iron	12,384,047	850	(*)	(*)	23,977,852		
Ornamental iron	12,384,047	850	(*)	(*)	23,977,852	Metal products, n. e. s. (including metal furniture)							
Metal products, n. e. s. (including metal furniture)						All classes	1,572,964,879	10,451,852	100.0	1.2	4,482,447,732		
All classes	1,572,964,879	10,451,852	100.0	1.2	4,482,447,732	General contractors ³	873,637,174	1,107,294	76.5	.1	82,988,154,988		
General contractors ³	873,637,174	1,107,294	76.5	.1	82,988,154,988	Building	453,840,340	322,489	22.3	.1	1,803,326,210		
Building	453,840,340	322,489	22.3	.1	1,803,326,210	Building not specialized ³	373,193,715	293,624	20.3	.1	1,524,255,907		
Building not specialized ³	373,193,715	293,624	20.3	.1	1,524,255,907	Commercial building only	17,320,720	5,619	.4	(*)	92,427,164		
Commercial building only	17,320,720	5,619	.4	(*)	92,427,164	Manufacturing building only	10,759,395	84	(*)	(*)	32,947,452		
Manufacturing building only	10,759,395	84	(*)	(*)	32,947,452	Residential building only	43,566,501	23,262	1.6	.1	153,695,687		
Residential building only	43,566,501	23,262	1.6	.1	153,695,687	Highway	134,792,440	32,356	2.2	(*)	350,399,990		
Highway	134,792,440	32,356	2.2	(*)	350,399,990	Bridge and culvert	45,649,962	500	(*)	(*)	115,123,526		
Bridge and culvert	45,649,962	500	(*)	(*)	115,123,526	Grading	2,984,429	6,510	.4	.2	25,225,457		
Grading	2,984,429	6,510	.4	.2	25,225,457	Street paving	80,130,074	67,737	4.7	.1	235,143,284		
Street paving	80,130,074	67,737	4.7	.1	235,143,284	Dredging, river, harbor, etc.	10,501,077	129,072	8.9	.8	50,374,645		
Dredging, river, harbor, etc.	10,501,077	129,072	8.9	.8	50,374,645	Railroad	14,843,446	400,333	31.8	3.1	60,133,126		
Railroad	14,843,446	400,333	31.8	3.1	60,133,126	Central station, light and power plant	43,778,485	55,000	3.8	.1	128,417,899		
Central station, light and power plant	43,778,485	55,000	3.8	.1	128,417,899	Air transport work	452,523	180	(*)	(*)	1,104,770		
Air transport work	452,523	180	(*)	(*)	1,104,770	Subway (other than buildings)	16,734,644	33,117	2.3	.2	56,052,015		
Subway (other than buildings)	16,734,644	33,117	2.3	.2	56,052,015	Subcontractors	690,327,705	339,754	23.5	.5	51,494,292,744		
Subcontractors	690,327,705	339,754	23.5	.5	51,494,292,744	Concreting	19,797,998	3,326	.2	(*)	50,265,745		
Concreting	19,797,998	3,326	.2	(*)	50,265,745	Heating and plumbing	241,887,775	9,809	.7	(*)	461,112,412		
Heating and plumbing	241,887,775	9,809	.7	(*)	461,112,412	Heating and piping	96,260,250	9,809	.7	(*)	183,690,067		
Heating and piping	96,260,250	9,809	.7	(*)	183,690,067	Masonry	26,877,133	161,924	10.5	.6	65,131,047		
Masonry	26,877,133	161,924	10.5	.6	65,131,047	Glass and glazing	8,100,784	5,880	.4	.1	15,064,802		
Glass and glazing	8,100,784	5,880	.4	.1	15,064,802	Plastering and lathing	17,159,251	24,961	1.7	.1	64,247,526		
Plastering and lathing	17,159,251	24,961	1.7	.1	64,247,526	Roofing and sheet-metal work	53,979,650	2,836	.2	(*)	122,877,272		
Roofing and sheet-metal work	53,979,650	2,836	.2	(*)	122,877,272	Roofing	20,867,754	1,686	.1	(*)	66,225,146		
Roofing	20,867,754	1,686	.1	(*)	66,225,146	Sheet-metal work	15,018,187	1,160	.1	(*)	35,607,053		
Sheet-metal work	15,018,187	1,160	.1	(*)	35,607,053	Stonework	7,908,733	500	(*)	(*)	19,387,416		
Stonework	7,908,733	500	(*)	(*)	19,387,416	Marble and tiling	30,919,491	109,513	7.0	.3	89,619,532		
Marble and tiling	30,919,491	109,513	7.0	.3	89,619,532	Excavating	1,229,752	31,000	2.1	2.5	15,902,976		
Excavating	1,229,752	31,000	2.1	2.5	15,902,976								

See footnotes at top of p. 138.

CONSTRUCTION—UNITED STATES SUMMARY

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

(Footnotes for Table 10)

¹ The indicated part of all business done by own force is obtained by subtracting the value of subcontract work let from the total value of all construction business as shown in Table 1. For the United States, those percentages are as follows:

Classification of establishments	Per cent	Classification of establishments	Per cent	Classification of establishments	Per cent	Classification of establishments	Per cent
All classes.....	76.7	General contractors—Continued.		Subcontractors—Continued.		Subcontractors—Continued.	
Operative builders.....	32.8	Air transport work.....	89.7	Heating and plumbing—Con.		Bridge and culvert.....	94.1
General contractors.....	69.4	Refuse disposal plant.....	88.8	Automatic temperature control.....	99.0	Grading.....	94.9
Building.....	57.1	Oil and natural gas pipe line.....	90.4	Automatic sprinkler system.....	97.4	Street paving.....	90.1
Building not specialized.....	49.4	Subway (other than buildings).....	91.9	Masonry.....	98.9	Sewer, gas, water, conduit.....	99.5
Commercial building only.....	57.2	Vehicular subway and tunnel.....	19.8	Painting and decorating.....	98.9	Dam and reservoir.....	100.0
Manufacturing building only.....	65.9	Telephone line and system.....	98.0	Glass and glazing.....	98.9	Waterworks.....	99.2
Residential building only.....	55.0	Radio tower, etc.....	75.1	Plastering and lathing.....	94.4	Dredging, river, harbor, etc.....	99.6
Highway.....	90.1	Miscellaneous, n. e. s.....	100.0	Roofing and sheet-metal work.....	98.4	Soundproofing.....	98.7
Bridge and culvert.....	91.3	Subcontractors.....	96.7	Roofing.....	98.7	Railroad.....	75.4
Grading.....	90.8	Carpentering and wood flooring.....	92.0	Sheet metal work.....	98.1	Foundation.....	83.3
Street paving.....	91.1	Concreting.....	96.3	Roofing and sheet metal combined.....	97.9	Power plant.....	98.4
Sewer, gas, water, conduit.....	94.8	Electrical.....	99.2	Steel erection.....	92.3	Metal work, n. e. s.....	90.3
Dam and reservoir.....	91.7	Elevator construction.....	97.8	Stone work.....	95.6	Rental of equipment, trucking, etc.....	95.8
Waterworks.....	93.0	Heating and plumbing.....	87.0	Marble and tiling.....	98.8	Flooring, n. e. s.....	98.9
Dredging, river, harbor, etc.....	93.8	Heating and piping.....	94.9	Wrecking.....	98.7	Including operative builders:	
Levee.....	87.8	Plumbing.....	98.3	Excavating.....	93.3	All general contractors.....	98.1
Railroad.....	88.1	Plumbing and heating combined.....	97.0	Ornamental iron.....	96.5	All building contractors.....	55.8
Foundation.....	88.1			Highway.....	98.4	Building not specialized.....	55.6
Central station, light and power plant.....	77.6						

² See footnote 3 of Table 9 on p. 123.

³ Includes operative builders.

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

⁵ Includes construction work reported by establishments which did not include the designated materials 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.

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

(This table is made up in four sections; the second section begins on p. 146; the third on p. 152; the fourth on p. 159)

CLASSIFICATION OF ESTABLISHMENTS	Total cost of all materials	COST OF ALL MATERIALS DISTRIBUTED BY KIND		Sand, gravel, crushed stone, slag, cinders, etc.	Brick (faco, common, fire, paving, etc.)	Tile (fireproofing)	Tile, facing, terra cotta, floor, and wall	Concrete and cinder block	Cut stone, granite and marble	Riprap, rubble, etc.	Cement	Lime
		Amount	Per cent of total									
UNITED STATES												
All classes of establishments.....	2,056,695,482	1,572,064,879	76.5	1164,323,947	85,058,118	13,019,175	28,132,505	11,550,009	43,809,635	5,245,673	140,663,636	6,596,705
Operative builders.....	22,602,226	15,344,289	67.9	578,571	1,005,462	70,528	146,330	336,544	162,515	39,624	486,103	91,325
General contractors.....	1,188,687,201	858,292,885	72.2	149,428,508	50,074,262	7,223,542	7,740,839	9,567,155	21,551,181	4,264,370	127,508,263	3,884,875
Building.....	652,166,912	435,496,051	67.2	37,524,832	43,418,897	7,061,355	7,509,787	6,289,229	15,791,997	839,565	41,997,802	3,489,865
Building not specialized.....	527,438,180	357,849,426	67.8	33,390,948	37,825,802	6,599,955	6,371,667	5,016,355	14,718,466	717,123	37,472,675	2,951,717
Commercial building only.....	26,283,692	17,320,729	68.5	1,847,705	1,775,166	208,098	406,201	268,322	490,571	1,552	2,188,461	141,067
Manufacturing building only.....	34,579,806	19,759,395	57.1	615,013	961,412	11,734	12,321	251,067	16,695		778,939	56,193
Residential building only.....	64,865,354	43,556,501	67.2	1,070,506	2,850,517	240,903	716,508	753,485	566,265	120,890	1,557,787	340,383
Highway.....	165,340,861	134,792,440	81.5	50,597,963	1,997,417	30,436	27,761	1,311,225	1,057,036	409,223	39,856,158	80,824
Bridge and culvert.....	55,668,045	45,049,062	81.0	5,163,358	272,278	26,448	85,137	209,987	680,891	443,930	6,480,333	17,310
Grading.....	3,632,177	2,084,429	57.4	1,297,497	27,286	390	615	5,247	10,800	23,474	425,266	10,641
Street paving.....	109,106,244	89,139,074	81.7	32,799,332	2,631,805	21,448	17,855	720,422	2,491,517	537,306	26,253,224	184,549
Sewer, gas, water, conduit.....	41,010,633	30,785,722	75.1	5,165,592	1,888,312	12,762	21,133	324,703	66,830	86,058	3,970,953	14,405
Dam and reservoir.....	8,228,631	5,398,263	65.6	783,950	16,357	898	531	154,008	372	160	1,973,271	26,003
Waterworks.....	17,857,112	9,965,664	55.8	990,369	204,266	9,325	5,490	3,474	22,166	19,049	754,397	5,517
Dredging, river, harbor, etc.....	20,731,672	16,501,077	79.6	1,581,758	61,946	6,253	36,531	21,828	276,030	1,710,238	1,351,630	10,189
Levee.....	392,005	306,404	77.8	39,350	6,306				6,782	2,260	19,796	
Railroad.....	24,176,945	14,843,446	61.4	2,682,000	84,643	464	1,070	142,366	125,870	137,050	1,781,888	750
Foundation.....	2,095,259	1,398,429	70.4	425,085	145,386	9,424	6,880	17,860	294,825	27,108	356,977	10,700
Central station, light and power plant.....	55,678,202	43,778,485	78.6	2,218,930	603,123	40,008	22,623	70,299	761,629	20,551	2,027,674	17,831
Air transport work.....	695,755	452,523	65.0	124,051				40,000			129,841	
Refuse disposal plant.....	444,506	404,506	91.0	55,809	10,105	3,937			2,180		64,088	222
Oil and natural gas pipe line.....	8,178,480	5,008,334	61.2	12,366	5,378		4,409				18,543	912
Subway (other than buildings).....	21,012,743	16,734,644	79.6	1,951,987	94,611	394	894	227,607	2,596	2,218	1,373,898	64
Vehicular subway and tunnel.....	138,478	138,478	100.0	7,300				28,000			8,885	
Telephone line and system.....	1,436,483	808,896	56.3	96,473	11,151						57,474	87
Radio tower, etc.....	58,345	58,345	100.0	9,510								
Miscellaneous, n. e. s.....	147,713	147,713	100.0									
Subcontractors.....	844,306,055	690,327,705	82.8	14,310,868	13,018,392	5,719,105	20,245,330	1,646,310	22,095,939	941,679	12,689,170	2,561,005
Carpentering and wood flooring.....	14,829,178	11,788,840	79.5	28,660	15,850	2,094	74,743	7,870	7,628		40,976	1,752
Concreting.....	23,116,974	19,797,968	85.6	0,860,472	179,155	243,953	27,888	244,303	100,552	10,022	7,006,416	92,741
Electrical.....	87,767,790	83,899,811	95.6	88,669	7,671		400	47,530			41,134	500
Elevator construction.....	50,697,401	49,790,848	98.2	598			12,083		2,627		786	
Heating and plumbing.....	310,128,466	241,887,775	78.0	41,804	88,555	5,899	61,286	4,907	647	274	51,426	7,113
Heating and piping.....	116,004,150	96,260,250	83.0	8,007	78,603	2,697	2,371	2,220			14,591	2,282
Pipe covering.....	4,815,364	3,657,018	75.9	1,000							4,032	492
Plumbing.....	135,603,332	112,987,044	83.3	30,235	8,576	2,802	58,343	2,387	647		30,712	4,380
Plumbing and heating combined.....	48,753,608	15,327,684	31.4	2,562	1,370	400	572	300			2,291	5
Automatic temperature control.....	1,671,977	1,494,229	95.1									
Automatic sprinkler systems.....	12,380,034	12,161,050	98.2									

See footnotes at end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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TABLE 11.—COST OF MATERIALS 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 (fireproofing)	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									
UNITED STATES—Continued												
Subcontractors—Continued.	<i>Dollars</i>	<i>Dollars</i>		<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Masonry.....	34,191,189	26,877,133	78.6	2,336,090	11,088,192	4,603,864	653,931	725,140	636,953	95,089	2,204,857	825,963
Painting and decorating.....	17,623,443	17,088,958	97.0	4,641	571	3,725			1,000		1,500	1,788
Glass and glazing.....	8,887,547	8,100,784	91.1	2,375		7,046					13,192	
Plastering and lathing.....	21,749,406	17,159,251	78.9	1,411,610	56,243	51,732	8,848	42,371	19,510	14,193	700,880	1,456,671
Roofing and sheet-metal work.....	64,117,885	53,979,650	84.2	276,098	10,039	286,110	213,541	600	2,110		68,432	1,308
Roofing.....	33,871,185	26,867,754	88.2	268,098	9,403	276,478	196,976	600	2,116		66,000	898
Sheet-metal work.....	10,109,045	15,018,187	78.6	6,700	636	9,402	13,780				938	410
Roofing and sheet metal combined.....	11,137,055	9,093,709	81.7	11,310		140	2,785				1,484	
Steel erection.....	71,285,183	67,934,243	95.3	99,351	26,571		5,493	5,385	3,500		77,300	92
Stonework.....	9,085,109	7,903,733	87.1	182,855	32,944	2,290	2,747	234,437	6,837,561	79,678	220,764	18,083
Marble and tiling.....	50,625,652	39,919,491	78.9	1,405,223	622,032	351,287	19,111,000	188,368	14,420,054	618,121	1,192,825	124,533
Wrecking.....	26,214	19,290	73.0									
Excavating.....	2,024,974	1,220,752	60.7	462,196	36,468	300		9,573	10,210	8,323	152,906	8,616
Ornamental iron.....	17,811,335	12,384,047	69.5	2,458					750		275	10
Highway.....	1,542,874	1,062,178	68.8	120,093	5,343						68,282	
Bridge and culvert.....	512,946	512,946	100.0	107,437							88,282	
Grading.....	238,207	147,077	61.7	48,554	690			2,380		6,948	70,141	1,500
Street paving.....	1,212,258	1,045,414	86.2	368,103	3,073			127,390	16,050		327,414	6,842
Sewer, gas, water, conduit.....	1,723,750	201,462	11.7	22,327	15,748						38,457	
Dam and reservoir.....	31,800	31,800	100.0	6,700							6,500	
Waterworks.....	150,024	150,024	100.0									
Dredging, river, harbor, etc.....	780,561	630,465	80.8	9,628				233		169,298	8,525	
Soundproofing.....	2,824,925	2,468,796	87.4	19,660			21,054		5,000		73,070	958
Railroad.....	242,000	30,000	12.4									
Foundation.....	6,091,498	1,195,792	19.6	195,572	42,162	3,805		2,593		27,540	156,309	240
Power plant.....	658,555	658,555	100.0	7,528	32,579			1,373	107		6,797	480
Metal work, n. e. s.....	29,203,217	27,711,530	94.9	130,264	163,034	162,000	34,534	1,600		1,863	14,428	215
Pipe line.....	29,220											
Rental of equipment, trucking, etc.....	70,260	79,200	100.0	30,641	872						3,377	
Flooring, n. e. s.....	5,281,159	3,635,832	68.8	34,729			28,191		29,780		41,016	10,991
Miscellaneous.....	130,000											

NEW ENGLAND

All classes of establishments.....	<i>Dollars</i> 144,376,252	<i>Dollars</i> 107,408,979	74.4	<i>Dollars</i> 9,029,947	<i>Dollars</i> 4,979,788	<i>Dollars</i> 523,950	<i>Dollars</i> 1,808,919	<i>Dollars</i> 795,417	<i>Dollars</i> 2,976,383	<i>Dollars</i> 394,456	<i>Dollars</i> 7,674,247	<i>Dollars</i> 618,949
Operative builders.....	1,318,591	1,108,078	84.0	26,737	55,265	5,020	10,040	24,208	8,000	6,567	30,820	10,742
General contractors.....	85,439,474	61,106,048	71.6	8,519,830	4,559,883	468,134	490,044	712,593	2,113,068	361,909	6,925,382	503,271
Building.....	50,232,687	35,399,425	63.0	2,338,449	4,125,400	448,465	472,132	462,377	1,065,734	149,488	3,190,923	454,122
Building not specialized.....	47,303,124	29,262,396	61.9	2,088,744	3,702,489	423,614	439,792	335,794	1,001,231	120,672	2,910,102	417,422
Commercial building only.....	1,879,023	1,618,080	86.1	140,521	178,482	13,775		13,824	45,803		130,266	12,413
Manufacturing building only.....	498,309	463,300	93.0	25,183	105,361	1,410		42,428			28,664	1,435
Residential building only.....	6,551,231	4,055,640	61.9	78,001	139,088	9,666	18,616	21,573	18,050	19,816	127,951	22,852
Highway.....	9,226,080	7,766,947	84.1	3,426,387	33,095	200	13,520	73,917	54,133	24,551	1,699,997	8,650
Bridge and culvert.....	2,384,542	2,029,006	85.1	312,082	6,708	1,000	70	5,350	147,533	102,670	215,792	521
Grading.....	559,901	485,959	86.8	218,052	15,750	320	615	2,762	15,504	8,441	66,958	1,910
Street paving.....	2,227,220	1,983,627	89.1	767,723	16,062	1,399		9,753	20,783		308,174	3,421
Sewer, gas, water, conduit.....	630,790	412,400	65.4	60,030	59,796				40		53,431	165
Dam and reservoir.....	561,059	283,611	50.5	93,708	5,027		531		4,214		54,484	24,085
Waterworks.....	214,657	138,547	64.5	4,580							8,573	900
Dredging, river, harbor, etc.....	1,060,270	1,060,270	100.0	50,336	3,174	3,250	260	500	56,327	55,586	21,713	350
Railroad.....	625,712	125,712	23.9	612	1,428			112,762				
Foundation.....	427,404	110,111	25.8	47,656	8,120		1,500	8,082	4,700		15,214	3,160
Central station, light and power plant.....	11,342,177	11,342,177	100.0	1,180,082	272,755	13,500	1,400	37,100	745,000	21,173	1,186,447	5,900
Air transport work.....	18,373	18,373	100.0	18,373								
Telephone line and system.....	27,793	19,793	71.2	10,560	880						7,676	87
Subcontractors.....	57,618,187	45,134,253	78.3	483,380	373,640	50,787	1,305,935	58,616	853,415	25,980	618,036	104,936
Carpentering and wood flooring.....	496,688	254,253	51.2									
Concreting.....	842,495	738,894	87.7	204,201	31,387	100	2,352	13,796	11,139	429	274,920	5,921
Electrical.....	6,084,205	6,524,133	97.6	1,686	1,173						2,540	
Elevator construction.....	2,488,675	2,488,675	100.0									
Heating and plumbing.....	28,227,838	20,821,422	73.8	2,943	1,291	6	3	191			1,183	
Heating and piping.....	11,762,606	10,101,014	85.9	222	1,080	0		141			320	
Pipe covering.....	196,096	196,096	100.0									
Plumbing.....	9,533,383	7,435,846	78.0	2,721	111		3	50			804	
Plumbing and heating combined.....	5,822,147	2,174,860	37.4		100						53	
Automatic temperature control.....	61,987	61,987	100.0									
Automatic sprinkler systems.....	851,619	851,619	100.0									
Masonry.....	931,179	784,270	84.2	73,238	309,049	12,759	10,229	21,648	30,336	9,003	142,144	31,434
Painting and decorating.....	1,664,415	1,037,597	62.3	2	10						7	7
Glass and glazing.....	418,917	410,548	98.0								3	
Plastering and lathing.....	974,012	650,963	66.8	52,298	22,859	262	875	10,498	2,237	7,600	48,389	59,131
Roofing and sheet-metal work.....	5,054,154	4,751,014	94.0	16,997		4,611	400				7,640	10
Roofing.....	1,913,624	1,747,956	91.3	13,410		4,611					7,640	10
Sheet-metal work.....	1,992,560	1,939,560	97.3	483								
Roofing and sheet metal combined.....	1,147,970	1,063,498	92.6	2,774			400				1,956	62
Steel erection.....	2,661,155	2,530,165	95.0	1,132	1,026			493			51,034	1,270
Stonework.....	216,332	161,511	74.7	29,746				10,000			14,377	
Marble and tiling.....	3,167,067	2,250,083	70.4	20,568	5,325	33,049	1,282,046		795,160		42,177	7,989

See footnotes at end of table.

CONSTRUCTION—UNITED STATES SUMMARY

TABLE 11.—COST OF MATERIALS 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
		Amount	Per cent of total									
NEW ENGLAND—Continued												
Subcontractors—Continued.	Dollars	Dollars	100.0	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Wrecking.....	1,000	1,000	100.0									
Excavating.....	116,617	116,617	100.0	59,444	830			1,200	160	2,000	26,315	682
Ornamental iron.....	1,041,494	500,321	48.0									
Grading.....	40,779	23,344	57.2	1,721	690			880		6,948	9,520	1,500
Street paving.....	5,894	5,894	100.0	2,400							494	
Sewer, gas, water, conduit.....	1,323,490											
Dredging, river, harbor, etc.....	28,230	28,230	100.0									
Foundation.....	56,744	30,422	53.6	17,394							9,714	
Metal work, n. e. s.....	371,352	371,352	100.0									
Flooring, n. e. s.....	805,545	23,545	2.9									
MIDDLE ATLANTIC												
All classes of establishments.....	Dollars	Dollars	75.6	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Operative builders.....	3,757,948	2,711,513	72.2	113,996	231,345	20,770	19,566	78,355	16,677	8,830	66,462	21,354
General contractors.....	353,900,761	245,960,760	69.5	35,284,050	14,814,273	2,510,463	2,468,732	3,371,187	6,965,619	1,120,079	30,936,804	1,188,890
Building.....	194,168,011	128,216,865	66.0	9,914,799	13,182,650	2,470,875	2,420,588	1,897,143	4,289,162	327,680	9,078,528	972,499
Building not specialized.....	151,404,448	98,456,440	65.0	8,977,555	11,446,596	2,390,888	1,064,401	1,501,332	4,094,020	248,948	9,060,122	301,619
Commercial building only.....	4,667,241	2,220,172	47.8	201,605	184,266	34,281	77,067	70,151	24,478	1,010	154,438	27,029
Manufacturing building only.....	18,848,855	15,054,423	79.9	102,551	660,062	0,742	5,982	1,776	764		205,301	12,542
Residential building only.....	19,248,307	12,476,830	64.8	543,088	888,896	98,064	372,238	323,884	169,000	77,622	552,577	131,270
Highway.....	38,809,281	31,530,673	81.2	11,068,987	242,603	1,211		682,866	225,474	151,812	10,436,874	16,519
Bridge and culvert.....	16,473,634	15,826,876	96.1	1,129,400	63,320	328	5,583	178,268	420,451	74,037	1,420,362	8,946
Grading.....	1,020,790	873,770	85.1	328,698	4,524			2,137	1,019		182,834	17,035
Street paving.....	24,109,192	19,327,968	80.2	7,299,132	774,166	5,913	325	263,535	1,429,241	128,501	4,897,098	146,003
Sewer, gas, water, conduit.....	11,005,832	7,771,735	70.6	1,188,234	178,746	9,826	15,300	37,983	63,100	27,449	983,610	6,374
Dam and reservoir.....	472,932	472,932	100.0	117,585	629	100			272		162,752	10,101
Waterworks.....	10,689,990	4,219,415	39.8	241,258	100,480	9,325	670	3,474	12,481	10,540	200,674	3,127
Dredging, river, harbor, etc.....	9,013,076	5,819,177	64.6	692,149	87,244	3,003	8,853	8,387	208,075	352,957	618,808	9,759
Railroad.....	8,802,709	5,549,229	63.0	878,010	29,526			25,488	14,572	22,916	677,010	
Foundation.....	1,048,730	721,736	68.8	131,757	9,939	2,940		3,662	280,427	25,375	139,956	3,872
Central station, light and power plant.....	15,817,180	7,515,584	47.5	216,628	76,913	2,611	16,273	657	7,379		193,600	4,870
Air transport work.....	410,152	410,152	100.0	102,902				40,000			125,700	
Refuse disposal plant.....	158,600	118,600	74.8	5,799	8,937	3,937	73	2,180			7,377	157
Subway (other than buildings).....	21,012,743	16,734,644	79.6	1,951,987	94,611	394	894	227,607	2,506	2,218	1,373,898	64
Telephone line and system.....	1,255,976	636,389	50.7	77,137	9,985						42,883	
Radio tower, etc.....	58,345	58,345	100.0	9,510								
Miscellaneous, n. e. s.....	147,713	147,713	100.0									
Subcontractors.....	301,201,854	249,119,228	82.7	5,900,500	5,824,609	1,557,458	7,409,981	646,119	9,950,732	98,462	5,123,052	1,012,817
Carpentering and wood flooring.....	6,574,710	4,950,662	75.3	21,192	3,956	494	74,743	1,570	6,228		37,982	1,560
Concrete.....	11,188,522	9,632,640	86.1	3,207,620	32,822	195,395	461	145,775	60,676	7,204	3,231,539	42,466
Electrical.....	28,610,287	27,382,055	95.7	10,920	0,226						6,174	600
Elevator construction.....	22,312,060	22,064,723	98.9	350							150	
Heating and plumbing.....	108,224,200	82,810,219	76.5	13,051	38,283	1,489	6,648	3,387	647		7,987	646
Heating and piping.....	36,180,774	29,916,635	82.7	3,287	35,076	984		1,500			2,785	115
Pipe covering.....	2,173,178	1,519,061	69.9									
Plumbing.....	49,524,154	42,114,096	85.0	7,947	3,207	505	6,070	1,887	647		4,111	526
Plumbing and heating combined.....	15,661,988	4,585,281	29.3	1,817			572				1,091	5
Automatic temperature control.....	565,906	565,906	100.0									
Automatic sprinkler systems.....	4,118,240	4,118,240	100.0									
Masonry.....	12,829,728	9,930,160	77.5	1,015,245	5,350,407	1,106,878	178,676	315,668	150,016	45,967	909,607	290,123
Painting and decorating.....	6,175,967	5,885,227	95.3	2,817	661	3,725					1,340	1,357
Glass and glazing.....	2,485,607	2,073,143	83.4	2,000							3,000	
Plastering and lathing.....	6,757,454	5,287,818	78.3	491,869	19,112	10,092	1,005	17,711	2,070	2,581	183,723	580,653
Roofing and sheet-metal work.....	18,426,222	15,767,981	85.6	143,787	7,903	8,870	52,476		1,208		29,412	
Roofing.....	8,661,103	7,998,487	92.3	137,872	7,903	6,230	41,025		1,208		27,935	
Sheet-metal work.....	5,427,768	4,467,573	82.3	50		2,500	9,066					
Roofing and sheet metal combined.....	4,337,351	3,301,921	76.1	5,865		140	2,385				1,477	
Steel erection.....	30,209,243	28,742,035	95.1	93,671	24,193			5,000	5,385	3,500	72,222	
Stonework.....	4,747,343	4,395,424	92.6	103,819	24,594	2,192	1,133	140,919	3,809,890	37,122	110,409	8,874
Marble and tiling.....	17,846,306	14,863,495	83.3	353,521	270,568	228,023	7,094,432	5,476	5,879,831	368	261,292	68,570
Wrecking.....	18,290	18,290	100.0									
Excavating.....	1,321,353	630,264	47.7	214,120	34,441	300		8,373	10,050	1,720	64,542	8,034
Ornamental iron.....	9,394,923	6,337,930	67.5	2,458							275	10
Highway.....	425,558	411,114	96.6	24,392	343						10,030	
Bridge and culvert.....	11,523	11,523	100.0	4,983							1,079	
Grading.....	31,345	34,165	109.0	17,777				1,500			1,859	
Street paving.....	31,939	14,432	45.2	12,642								
Sewer, gas, water, conduit.....	155,948	52,178	33.5	8,370	1,910						10,635	
Dam and reservoir.....	31,800	31,800	100.0	6,700							6,500	
Waterworks.....	20,047	20,047	100.0									
Dredging, river, harbor, etc.....	345,999	275,999	79.8	3,476							1,740	
Soundproofing.....	1,432,166	1,253,217	87.5	16,512							52,986	958
Foundation.....	5,329,091	616,173	11.6	88,096				740			91,993	
Metal work, n. e. s.....	4,469,486	4,168,828	93.3	7,816	350						5,087	66
Rental of equipment, trucking, etc.....	23,666	23,666	100.0	17,616							1,200	
Flooring, n. e. s.....	1,627,071	1,416,030	87.0	24,810			407		24,831		21,189	9,000
Miscellaneous.....	85,000											

See footnotes end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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TABLE 11.—COST OF MATERIALS 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	Cutstone, granite and marble	Riprap, rubble, etc.	Cement	Lime
		Amount	Per cent of total									
EAST NORTH CENTRAL												
All classes of establishments	Dollars 542,727,916	Dollars 430,445,902	79.3	Dollars 46,014,146	Dollars 20,581,528	Dollars 5,342,742	Dollars 6,878,366	Dollars 2,630,681	Dollars 10,369,718	Dollars 964,392	Dollars 38,250,315	Dollars 1,894,855
Operative builders	6,706,762	5,099,360	76.0	161,721	294,432	15,305	50,870	148,785	45,552	5,900	148,580	19,696
General contractors	205,525,393	221,748,543	75.0	41,480,458	17,367,803	2,268,637	1,740,561	2,000,351	6,361,780	924,239	32,988,452	1,028,273
Building	169,794,120	119,012,869	70.1	11,812,541	13,761,095	2,219,181	1,721,635	1,803,038	4,061,200	171,568	12,508,304	988,688
Building not specialized	134,355,110	96,255,730	71.6	10,197,260	11,872,698	2,087,377	1,519,389	1,293,935	4,544,143	161,817	10,708,810	823,333
Commercial building only	7,613,764	6,179,166	81.2	910,025	726,348	53,428	55,420	10,168	157,477		1,158,122	44,977
Manufacturing building only	8,840,830	2,020,500	33.0	199,623	111,815	382	3,139	200,200	15,931		288,544	38,410
Residential building only	18,984,407	13,057,373	71.9	508,733	1,050,230	77,094	143,987	292,735	243,700	9,751	847,882	81,068
Highway	35,774,504	20,748,591	83.2	13,388,409	1,370,525	4,465	10,454	17,030	677,981	76,259	7,569,078	22,174
Bridge and culvert	10,938,011	7,453,083	68.1	888,861	34,295	2,300	450	6,091	37,810	7,102	751,215	401
Grading	390,105	250,114	64.1	109,152	2,256				2,937	5,600	8,971	
Street paving	34,759,688	20,030,000	83.5	10,522,364	1,071,216	12,796	1,704	59,307	575,458	101,190	9,182,607	8,682
Sewer, gas, water, conduit	17,392,695	13,355,987	76.8	2,050,816	879,425	1,000	1,200	67,595	1,230	13,900	1,704,791	2,798
Dam and reservoir	521,954	325,500	62.4	19,577	240			1,230			13,589	
Waterworks	2,548,929	1,978,767	77.6	209,341	37,408		90		5,408		170,034	233
Dredging, river, harbor, etc.	3,807,057	3,639,210	95.6	318,825	1,200			12,196	10,000	544,634	298,351	
Levee	278,540	278,540	100.0	30,261	6,306				6,782		17,123	
Railroad	5,825,054	4,753,233	81.6	782,540	43,973	464	348	328	111,268	2,000	404,098	756
Foundation	814,937	702,394	86.2	182,298	50,501	6,484	380	4,904	668	1,823	111,836	425
Central station, light and power plant	11,888,171	10,662,160	89.7	520,493	108,474	21,947	4,000	28,542	2,000	103	193,595	4,116
Air transport work	243,232											
Refuse disposal plant	231,774	231,774	100.0	39,680	948						49,625	
Oil and natural gas pipe line	205,315	205,315	100.0									
Vehicular subway and tunnel	110,428	110,428	100.0	7,300							8,886	
Subcontractors	240,495,761	203,597,094	84.7	4,362,066	2,919,233	3,058,800	4,886,935	681,545	3,932,386	54,263	3,069,283	840,987
Carpentering and wood flooring	5,109,782	4,512,086	88.3	2,175	6,894	1,000		6,300	1,400		840	102
Concreting	4,093,579	4,278,079	87.2	1,789,711	85,093	7,343	1,798	54,355	14,009	8,249	1,550,337	32,049
Electrical	24,460,946	23,475,399	96.0	14,504,764	1,553	100	400	35,000			6,260	
Elevator construction	14,692,764	14,692,764	100.0									
Heating and plumbing	97,256,977	76,724,096	77.9	13,345	11,190	3,904		1,020			13,700	3,772
Heating and piping	43,858,660	37,501,846	85.5	793	10,750	1,307		579			3,202	10
Pipe covering	990,764	879,844	88.8								52	492
Plumbing	33,309,404	27,057,828	81.2	12,157	420	2,297		450			10,285	3,270
Plumbing and heating combined	13,251,111	4,051,116	30.6	395	20	300					231	
Automatic temperature control	509,223	499,427	98.1									
Automatic sprinkler systems	5,248,419	5,134,035	97.8									
Masonry	11,645,238	9,480,858	81.4	822,527	2,478,169	2,755,807	309,799	263,969	361,961	35,653	511,279	261,552
Painting and decorating	5,307,048	5,332,821	98.8	842							34	
Glass and glazing	2,198,174	2,079,334	94.6									
Plastering and lathing	7,491,710	6,118,799	81.7	401,826	63	20,665	1,168	1,500	4,500		102,600	524,841
Roofing and sheet-metal work	10,153,800	16,034,266	83.7	40,389	500	92,657	4,507	908			7,573	494
Roofing	9,818,232	8,678,516	88.4	35,436		92,657	3,163	908			7,053	84
Sheet-metal work	5,030,457	4,321,975	72.8	2,382	500		1,344				520	410
Roofing and sheet metal combined	3,396,111	3,033,775	89.3									
Steel erection	12,359,624	11,490,569	93.0	4,075							3,181	
Stone work	2,285,772	1,695,484	74.2	13,228	7,445						17,820	4,872
Marble and tiling	10,025,707	8,417,919	77.0	629,794	164,287	18,720	4,565,750	113,933	1,936,869	8,951	389,930	22,333
Wrecking	6,924											
Excavating	108,749	108,715	100.0	39,720	282						4,112	
Ornamental iron	3,902,723	2,818,810	72.2									
Highway	308,154	308,154	100.0	10,018	5,000						4,120	
Bridge and culvert	234,851	234,851	100.0	32,528							38,727	
Grading	93,105	87,699	72.7	9,949							57,800	
Street paving	874,687	747,180	85.4	0,040	3,633			127,309	16,050		232,377	6,842
Sewer, gas, water, conduit	82,291	82,291	100.0	1,910	3,000						4,936	
Dredging, river, harbor, etc.	34,010	34,010	100.0								960	
Soundproofing	893,844	706,664	81.8	2,521					5,000		16,247	
Foundation	415,807	294,341	70.8	53,752	255						24,089	15
Power plant	219,574	219,574	100.0									
Metal work, n. e. s.	13,585,697	13,137,573	96.7	114,000	152,000	162,000	200	1,600				
Rental of equipment, trucking, etc.	42,440	42,440	100.0	5,871	872						2,177	
Flooring, n. e. s.	1,840,925	1,642,221	89.2	1,525			4,810				1,025	25

WEST NORTH CENTRAL

All classes of establishments	Dollars 160,142,506	Dollars 124,213,605	77.6	Dollars 16,631,161	Dollars 4,352,024	Dollars 842,069	Dollars 1,775,282	Dollars 883,581	Dollars 3,091,989	Dollars 927,836	Dollars 216,298,333	Dollars 322,350
Operative builders	2,650,049	1,189,786	44.9	77,849	62,432	5,838	27,943	51,434	13,245	14,958	37,382	2,720
General contractors	113,210,708	86,900,674	76.8	15,789,045	3,671,421	656,770	781,025	793,028	1,970,814	882,353	14,496,471	256,316
Building	52,356,770	38,545,121	73.6	3,049,729	3,168,067	829,438	774,986	329,141	1,761,800	78,592	3,535,555	233,766
Building not specialized	43,989,740	33,794,207	76.8	2,754,180	2,842,991	576,399	670,939	298,517	1,648,109	74,205	3,221,290	210,830
Commercial building only	4,125,179	2,137,683	51.8	154,261	149,789	46,429	51,512		58,186	542	154,786	10,829
Manufacturing building only	506,783	190,783	37.6	8,200	23,500	1,000		6,603			18,902	600
Residential building only	3,735,068	2,422,448	64.9	133,988	151,787	5,610	53,435	21,167	55,505	3,845	140,577	11,537

See footnotes end of table.

CONSTRUCTION—UNITED STATES SUMMARY

TABLE 11.—COST OF MATERIALS 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
		Amount	Per cent of total									
WEST NORTH CENTRAL—Continued												
General contractors—Contd.	<i>Dollars</i>	<i>Dollars</i>		<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Highway.....	23,015,568	18,764,555	81.5	8,212,001	143,913	23,472	1,630	18,510	39,436	22,388	6,644,285	2,701
Bridge and culvert.....	9,435,911	7,030,951	74.5	842,443	36,932	1,845	889	9,177	230,438	1,024,367	5,074	
Grading.....	701,196	668,183	95.4	408,329	926				1,500	92,753		
Street paving.....	8,189,119	6,450,457	78.8	2,168,623	214,683	1,015		243,188	150,901	56,905	2,058,101	12,028
Sewer, gas, water, conduit.....	2,052,687	1,639,958	79.9	197,505	23,207			198,020			143,489	391
Dam and reservoir.....	1,211,893	1,049,668	86.6	205,650	4,000			3,280		160	233,496	50
Waterworks.....	1,380,985	1,274,678	92.3	208,000	18,000					2,000	103,800	
Dredging, river, harbor, etc.....	1,771,364	1,771,364	100.0							386,159		
Levee.....	9,657	9,657	100.0	2,914							2,033	
Railroad.....	5,206,744	2,487,276	47.8	447,591	3,100					104,211	538,241	
Foundation.....	48,753	48,753	100.0	12,426							25,852	
Central station, light and power plant.....	2,985,845	2,342,829	78.5	11,638	53,000	1,000			500		68,000	1,200
Refuse disposal plant.....	54,072	54,072	100.0	11,330	220						7,086	65
Oil and natural gas pipe line.....	4,762,119	4,734,119	99.4	11,366	5,373		4,400				17,543	912
Telephone line and system.....	28,025	28,025	100.0	1,500							1,870	
Subcontractors.....	44,282,149	36,123,145	81.6	764,767	618,171	179,461	966,314	39,119	1,107,930	30,525	764,480	63,348
Carpentering and wood flooring.....	218,451	147,443	67.5	323							254	
Concreting.....	2,052,498	1,439,460	70.1	440,836	5,540	12,495	1,800	16,894	160	2,355	461,246	2,236
Electrical.....	4,701,799	4,443,559	94.5									
Elevator construction.....	1,914,953	1,914,953	100.0									
Heating and plumbing.....	17,219,537	12,817,766	74.4	2,645	13,678	400	4,266	300			5,079	2,000
Heating and piping.....	4,905,049	3,839,770	78.0	1,100	12,818	400					4,000	2,000
Pipe covering.....	517,275	517,275	100.0	1,000								
Plumbing.....	6,981,394	6,131,410	88.1	160	35		4,266				770	
Plumbing and heating combined.....	4,304,025	1,848,417	42.3	325	825			300			369	
Automatic temperature control.....	128,402	128,402	100.0									
Automatic sprinkler systems.....	252,402	252,492	100.0									
Masonry.....	1,654,832	1,098,039	66.4	80,116	563,690	126,966	25,824	16,816	9,400		59,866	31,853
Painting and decorating.....	817,019	807,019	98.8									
Glass and glazing.....	454,730	454,730	100.0	100					1,000		10,029	
Plastering and lathing.....	634,807	584,872	92.1	25,769	500						8,613	19,750
Roofing and sheet-metal work.....	3,695,245	3,183,003	86.1	9,424	56	16,000	13,450				133	
Roofing.....	2,305,757	2,032,178	88.1	9,258		16,000	13,450				133	
Sheet-metal work.....	946,327	729,669	77.1	66	66							
Roofing and sheet metal combined.....	443,161	421,161	95.0	100								
Steel erection.....	2,834,180	2,834,180	100.0	473	1,352							
Stone work.....	632,134	482,134	76.3	16,200						429,962	24,027	10,634
Marble and tiling.....	2,411,988	1,903,954	78.9	123,866	92	23,600	886,610	3,746	667,301		139,296	5,650
Excavating.....	78,045	78,045	100.0	4,424							2,250	24,166
Ornamental iron.....	1,610,987	1,418,164	87.5									
Highway.....	413,456											
Bridge and culvert.....	147,966	147,966	100.0	48,394								22,119
Sewer, gas, water, conduit.....	66,913											
Soundproofing.....	107,645	107,645	100.0	300							1,375	
Railroad.....	242,000	30,000	12.4									
Foundation.....	11,500	11,500	100.0									
Power plant.....	41,155	41,155	100.0	1,519	32,579			1,373	107		1,002	480
Metal work, n. o. s.....	2,232,294	2,148,633	96.3	8,248	684		34,334			1,893	8,908	149
Flooring, n. e. s.....	78,925	28,925	36.6	1,540							11,780	

SOUTH ATLANTIC

All classes of establishments	<i>Dollars</i> 162,128,298	<i>Dollars</i> 109,021,478	71.7	<i>Dollars</i> 14,484,028	<i>Dollars</i> 5,429,138	<i>Dollars</i> 853,623	<i>Dollars</i> 1,959,705	<i>Dollars</i> 1,303,744	<i>Dollars</i> 2,979,507	<i>Dollars</i> 367,910	<i>Dollars</i> 11,800,703	<i>Dollars</i> 667,604
Operative builders.....	4,720,044	2,748,002	58.2	92,428	267,558	25,776	0,636	25,287	62,800	3,360	103,739	32,151
General contractors.....	89,878,714	59,616,195	66.3	13,431,465	3,874,163	371,021	493,498	1,160,539	1,244,055	138,208	10,536,412	327,929
Building.....	53,080,881	30,869,727	58.2	2,397,723	3,484,461	368,762	483,968	1,021,491	1,037,092	20,932	3,139,735	305,224
Building not specialized.....	43,484,809	28,693,012	61.2	2,178,654	2,023,681	318,749	319,097	949,813	949,813	18,430	2,889,497	260,413
Commercial building only.....	1,730,139	1,497,234	86.5	115,888	278,073	35,471	133,845	10,644	64,070		123,704	3,216
Manufacturing building only.....	3,157,430											
Residential building only.....	4,694,503	2,769,481	59.0	103,181	282,647	14,542	34,026	27,671	24,079	2,502	112,624	40,656
Highway.....	19,615,157	16,608,481	84.7	8,116,491	64,599	1,088	1,780	80,666	32,162	20,149	5,101,520	17,342
Bridge and culvert.....	5,039,842	3,838,953	76.2	766,729	10,330	360		356		4,210	696,327	
Grading.....	246,392	216,721	88.0	68,213	206						20,458	141
Street paving.....	4,773,248	3,712,086	77.8	1,231,245	194,920		1,380	62,923	160,596	63,379	1,133,345	1,376
Sewer, gas, water, conduit.....	1,413,000	1,269,578	89.8	206,230	60,612	621	3,000	10,300	3,275	27,750	212,301	3,279
Dam and reservoir.....	105,634											
Waterworks.....	747,974	355,020	47.5	59,418	27,636		730		63		15,604	257
Dredging, river, harbor, etc.....	1,224,001	830,252	67.8	164,122	8,443		1,918				75,372	
Railroad.....	2,888,669	1,198,351	41.5	297,496	6,616		722	3,798		1,788	57,682	
Foundation.....	75,765	35,765	47.2	7,098							7,478	
Central station, light and power plant.....	682,151	682,151	100.0	66,700	10,500	200			1,000		77,700	250
Subcontractors.....	57,628,040	49,667,281	81.1	900,136	1,287,422	461,810	1,456,671	108,918	1,672,649	226,342	1,160,552	227,624
Carpentering and wood flooring.....	143,831	60,658	42.2									
Concreting.....	1,488,028	1,368,485	91.9	403,633	6,596	27,161	14,843	3,138	8		515,681	4,496
Electrical.....	6,026,019	5,925,745	98.3	2,522,010				1,000			1,525	
Elevator construction.....	2,545,032	2,545,032	100.0	248			12,088		2,627		586	79

See footnotes and of table

CONSTRUCTION—UNITED STATES SUMMARY

TABLE 11.—COST OF MATERIALS 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 (fireproofing)	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									
SOUTH ATLANTIC—Continued												
Subcontractors—Continued.	Dollars	Dollars		Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Heating and plumbing.....	21,698,464	15,466,926	71.3	895	2,120		200				6,125	
Heating and piping.....	10,204,600	7,704,836	75.5	531	1,795						8,430	
Pipe covering.....	202,288	202,288	100.0									
Plumbing.....	8,295,798	0,578,017	79.3	304			200				667	
Plumbing and heating combined.....	2,446,165	500,124	20.4		325						19	
Automatic temperature control.....	67,952											
Automatic sprinkler systems.....	481,661	481,661	100.0									
Masonry.....	3,484,555	2,725,641	78.2	180,102	1,210,177	408,114	35,531	64,628	73,840	3,781	324,852	85,817
Painting and decorating.....	832,640	832,640	100.0								76	404
Glass and glazing.....	324,264	324,264	100.0									
Plastering and lathing.....	1,055,324	1,037,824	98.3	76,050	4,000	11,900	300		10,485		36,631	120,715
Roofing and sheet-metal work.....	4,986,327	3,905,614	78.3	19,851	1,500	11,736	2,500				14,306	710
Roofing.....	3,190,303	2,688,701	84.3	19,201	1,500	11,736	2,500				14,244	710
Sheet-metal work.....	988,106	743,106	79.2	650							62	
Roofing and sheet metal combined.....	857,915	473,807	55.2									
Steel erection.....	4,901,144	4,099,394	95.3									
Stone work.....	909,143	699,518	77.0	8,846	704			7,058	490,577	1,350	16,680	1,440
Marble and tiling.....	4,478,490	2,922,735	65.3	109,913	580		1,390,500	7,058	1,095,106	20,300	118,282	13,632
Excavating.....	190,908	89,835	47.1	47,958							13,464	
Ornamental iron.....	169,106	188,925	94.9									
Highway.....	281,540	253,753	90.1	65,420							54,132	
Bridge and culvert.....	41,397	41,397	100.0	1,000							760	
Grading.....	1,583	1,583	100.0	608							885	
Sewer, gas, water, conduit.....	54,093	54,093	100.0	12,047	10,838						23,186	
Dredging, river, harbor, etc.....	218,792	173,792	79.4	894						100,298		
Soundproofing.....	14,062	14,662	100.0	327				554			1,030	
Foundation.....	219,521	219,521	100.0	28,826	41,007	3,805		2,153			27,540	226
Metal work, n. e. s.....	3,145,313	3,027,789	96.3								31,413	
Flooring, n. e. s.....	197,856	197,856	100.0									

EAST SOUTH CENTRAL

All classes of establishments	Dollars	Dollars		Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
	62,133,334	51,592,271	83.0	6,390,266	1,964,667	184,549	584,119	238,811	3,083,421	507,056	4,973,088	137,060
Operative builders.....	250,831	126,988	49.1	6,695	12,120	300		6,780	625		4,556	400
General contractors.....	41,397,015	33,855,136	81.8	6,089,714	1,001,419	139,437	254,744	229,426	850,735	24,480	4,070,794	99,736
Building.....	18,952,880	13,902,107	73.4	1,152,814	1,227,003	130,437	247,551	117,321	778,002	18,280	1,219,625	94,222
Building not specialized.....	16,890,547	11,550,416	72.7	972,683	1,032,108	116,583	177,215	85,858	628,093	12,836	1,002,559	82,074
Commercial building only.....	901,560	698,368	77.5	51,206	30,644	15,486		3,960	120,947		61,807	4,773
Manufacturing building only.....	368,200	343,200	93.2	45,000	3,600						45,000	
Residential building only.....	1,792,570	1,310,186	73.1	83,925	104,651	7,398	25,847	27,443	20,022	5,450	50,759	7,375
Highway.....	8,133,027	7,198,766	88.0	3,082,905	29,321			70,543	27,850	4,200	1,951,332	1,636
Bridge and culvert.....	1,804,395	1,778,055	98.4	334,058	39,819			243	1,524	2,000	345,782	
Grading.....	67,261	31,726	47.2	5,187							11,701	
Street paving.....	3,823,471	2,765,858	72.3	1,179,051	95,756			27,844	38,903		748,050	418
Sewer, gas, water, conduit.....	1,033,952	956,096	92.5	147,246	59,293			5,009			110,349	400
Waterworks.....	182,853											
Levee.....	77,001											
Railroad.....	363,414	363,414	100.0	76,946							66,235	
Foundation.....	112,171	112,171	100.0	2,277	70,635		5,000	1,185			6,970	1,750
Central station, light and power plant.....	6,740,884	6,740,884	100.0	109,230	73,592		950		5,000		210,000	1,810
Subcontractors.....	20,478,588	17,581,147	85.9	203,857	361,028	44,812	320,375	2,605	2,237,061	482,599	302,828	36,924
Carpentering and wood flooring.....	101,383	89,383	88.2								173,177	1,500
Concrete.....	463,099	423,099	91.4	102,571	4,360		1,600	103	60		501	
Electrical.....	2,233,841	2,105,441	94.3	200								
Elevator construction.....	550,126	550,126	100.0									
Heating and plumbing.....	5,406,974	3,900,731	72.1	684	728						1,580	
Heating and piping.....	1,000,793	1,240,923	124.0		700						500	
Plumbing.....	2,958,523	2,345,586	79.3	684	28						590	
Plumbing and heating combined.....	838,515	296,974	35.4								500	
Automatic sprinkler systems.....	9,143	9,143	100.0									
Masonry.....	865,831	541,283	62.5	33,082	339,850	38,536	12,739	2,500	935		91,324	14,534
Painting and decorating.....	103,948	103,948	100.0								50	
Glass and glazing.....	604,275	604,275	100.0									
Plastering and lathing.....	520,937	467,551	89.8	43,750		136					4,236	10,940
Roofing and sheet-metal work.....	2,195,598	1,833,061	83.5	4,762	6,090		2,269				250	
Roofing.....	1,406,777	1,257,732	89.4	4,502								
Sheet-metal work.....	389,883	261,391	67.3	250		6,000	2,269				250	
Roofing and sheet metal combined.....	398,938	373,938	93.7									
Steel erection.....	3,052,130	3,012,130	98.7									
Stone work.....	101,624	71,624	70.5	1,299	201				66,801		3,028	200
Marble and tiling.....	3,563,461	3,163,453	88.8	18,830	5,899		312,767		2,166,265	482,599	19,982	750
Ornamental iron.....	243,484	243,484	100.0									
Highway.....	89,157	89,157	100.0	21,157							8,745	
Bridge and culvert.....	31,940	31,940	100.0	7,532								
Grading.....	1,109											
Soundproofing.....	45,891	45,891	100.0									
Foundation.....	35,000											
Metal work, n. e. s.....	63,426	63,426	100.0									
Pipe line.....	29,220											
Flooring, n. e. s.....	32,144	32,144	100.0									
Miscellaneous.....	45,000											

See footnotes end of table.

CONSTRUCTION—UNITED STATES SUMMARY

TABLE 11.—COST OF MATERIALS 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
		Amount	Per cent of total									
WEST SOUTH CENTRAL												
All classes of establishments	Dollars 118,364,854	Dollars 81,486,816	68.8	Dollars 11,488,709	Dollars 2,879,770	Dollars 555,217	Dollars 1,378,474	Dollars 232,422	Dollars 2,270,468	Dollars 86,171	Dollars 10,008,298	Dollars 268,807
Operative builders	1,276,723	719,575	56.4	40,362	76,375	3,100	8,381	1,602	3,052		26,020	2,401
General contractors	82,609,451	53,982,010	65.3	11,022,914	2,696,051	494,000	566,030	214,378	1,494,825	65,848	9,636,471	248,491
Building	40,195,700	25,570,484	63.6	2,209,136	2,312,781	491,412	545,241	168,696	1,419,675	15,771	2,467,696	227,618
Building not specialized	38,380,368	22,792,312	64.4	2,033,465	2,040,628	475,020	521,760	134,288	1,393,269	15,691	2,299,440	190,241
Commercial building only	1,441,692	728,572	50.5	97,824	121,800	5,236	11,414	12,187	14,010		78,139	6,025
Manufacturing building only	143,696	143,696	100.0	29,350	5,500	2,200					35,209	800
Residential building only	3,229,944	1,905,904	59.0	48,997	144,763	8,056	12,058	22,121	12,397	80	54,908	30,540
Highway	16,011,840	11,793,131	73.7	4,860,496	104,526			44,749		5,005	4,221,351	8,400
Bridge and culvert	3,300,180	2,008,922	77.6	203,299	17,600		2,000	80			300,284	1,820
Grading	12,849											
Street paving	9,416,049	7,228,786	76.8	2,799,732	194,704	325	14,446	637	74,223	48,180	1,820,638	9,130
Sewer, gas, water, conduit	3,600,854	2,367,050	65.7	456,248	30,718	1,315	343	310	177	16,619	443,341	823
Dam and reservoir	1,445,202	407,972	28.2	85,107	5,861	798					91,912	
Waterworks	1,573,650	1,423,650	90.5	208,321	14,264		4,000			500	203,600	1,000
Dredging, river, harbor, etc.	573,241	573,241	100.0	28,947	9,420					6,300	31,350	
Levee	17,769	9,769	55.0									
Railroad	114,368	110,076	96.2	34,014							18,429	
Foundation	10,100	10,100	100.0	5,000							4,300	
Central station, light and power plant	3,068,856	1,731,435	56.4	41,614	6,277	750			750		32,570	185
Oil and natural gas pipe line	3,148,793	57,400	1.8	1,000							1,000	
Telephone line and system	90,000	90,000	100.0									
Subcontractors	34,388,680	26,785,225	77.9	390,433	107,344	57,517	804,063	16,382	771,986	323	347,807	17,915
Carpentering and wood flooring	81,272	37,697	46.4									
Concreting	551,536	456,347	82.7	170,586			5,034				173,739	135
Electrical	4,375,923	3,801,734	86.9					11,530				
Elevator construction	2,710,175	2,585,175	95.4									
Heating and plumbing	11,272,446	7,526,612	66.8	1,627	4,306						3,084	584
Heating and piping	1,257,518	902,195	71.8									
Pipe covering	290,000											
Plumbing	6,947,359	5,662,820	81.5	1,027	4,200						3,020	584
Plumbing and heating combined	2,561,309	685,367	26.8		106						64	
Automatic temperature control	21,593	21,593	100.0									
Automatic sprinkler systems	194,637	194,637	100.0									
Masonry	196,487	176,487	89.8	24,687	100,770	5,734	10,000	3,974	7,007		10,707	4,224
Painting and decorating	430,113	430,113	100.0									
Glass and glazing	86,565	49,126	56.8									
Plastering and lathing	1,161,895	629,973	54.2	75,049	2,159	1,327			218		33,860	12,030
Roofing and sheet-metal work	3,515,846	2,725,846	77.5	12,329		50,450	18,691				371	
Roofing	2,418,915	1,870,915	77.3	11,030		49,554	17,590				325	
Sheet-metal work	699,546	567,546	81.1	1,299		902	1,101				46	
Roofing and sheet metal combined	397,385	287,385	72.3									
Steel erection	2,315,570	2,315,570	100.0									
Stonework	327,121	201,063	61.5	3,794								
Marble and tiling	2,402,622	1,594,385	66.4	68,123	100		740,838	878	183,101		90,003	942
Excavating	67,824	67,824	100.0	23,572							13,837	
Ornamental iron	280,300	25,000	8.9									
Waterworks	54,840	54,840	100.0									
Soundproofing	60,500	60,500	100.0				20,500					
Foundation	23,835	23,835	100.0	7,534								
Metal work, n. e. s.	4,422,602	4,009,890	90.7									
Flooring, n. e. s.	51,208	13,208	25.8	3,132							3,050	

MOUNTAIN

All classes of establishments	Dollars 29,218,487	Dollars 20,270,143	69.4	Dollars 1,884,536	Dollars 890,263	Dollars 93,679	Dollars 463,599	Dollars 94,400	Dollars 124,402	Dollars 34,553	Dollars 1,967,814	Dollars 97,449
General contractors	18,600,787	12,422,793	66.6	1,736,337	613,724	50,832	142,773	62,567	65,772	34,553	1,772,130	68,165
Building	11,069,378	7,300,261	66.0	442,094	594,012	50,332	142,773	76,347	65,772	11,436	765,550	58,050
Building not specialized	10,062,370	6,718,508	66.8	420,879	527,882	44,367	135,094	76,347	64,637	11,436	735,619	55,485
Commercial building only	223,601	151,601	67.8	8,015	15,395	1,852	1,709		435		14,965	1,240
Residential building only	783,407	436,152	55.7	13,200	50,735	4,613	5,370		700		14,966	2,225
Highway	2,652,213	1,145,655	43.2	530,429				5,872			20,608	200,938
Bridge and culvert	817,951	629,023	76.9	60,182	6,655						99,185	600
Grading	91,204	86,484	94.8	28,718	3,045			348			13,600	555
Street paving	2,274,400	1,780,619	78.3	562,219	5,714			10,000			597,123	35
Sewer, gas, water, conduit	379,295	103,611	27.3	3,493	2,686						4,206	75
Dam and reservoir	97,639	92,553	94.8	11,515							28,284	
Waterworks	4,300	4,300	100.0	1,000							3,300	
Dredging, river, harbor, etc.	6,812	6,812	100.0	150							600	
Railroad	96,207	96,207	100.0	56,886							15,500	
Foundation	26,348	26,348	100.0	6,348							12,050	7,950
Central station, light and power plant	1,133,520	1,133,520	100.0	33,313	1,612						31,734	
Oil and natural gas pipe line	11,500	11,500	100.0									
Subcontractors	10,342,027	7,645,055	73.9	139,937	242,240	43,347	320,326	1,833	58,630		194,924	29,050
Concreting	320,640	280,639	87.5	77,603	300	5,593					145,143	2,418
Electrical	1,260,627	1,168,353	92.7									
Elevator construction	35,000	35,000	100.0									
Heating and plumbing	4,748,534	2,908,543	61.3	225	850			500			283	
Heating and piping	1,383,581	1,006,817	72.8	160	600						70	
Plumbing	2,296,373	1,697,818	73.9	75	250			500			213	
Plumbing and heating combined	966,082	101,410	10.5									
Automatic temperature control	102,498	102,498	100.0									

See footnotes end of table.

CONSTRUCTION—UNITED STATES SUMMARY

TABLE 11.—COST OF MATERIALS 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
		Amount	Per cent of total									
MOUNTAIN—Continued												
Subcontractors—Continued.	Dollars	Dollars		Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Masonry	418,725	337,589	80.6	10,983	240,856	12,327	17,236	1,333	2,252		11,457	18,661
Painting and decorating	194,558	186,558	95.9									
Glass and glazing	183,779	183,779	100.0									
Plastering and lathing	200,734	140,799	68.1	12,016							11,252	7,930
Roofing and sheet metal work	1,052,286	946,286	89.9	1,650			30,800	500			2,577	
Roofing	930,427	600,427	64.5	1,650			30,800	500			2,577	
Sheet-metal work	410,893	334,893	81.5									
Roofing and sheet metal combined	10,966	10,966	100.0									7
Steel erection	1,267,193	932,193	73.6									
Marble and tiling	473,145	306,525	64.6	3,870	94	25,427	272,290		50,378		6,257	50
Excavating	5,853	5,853	100.0	250							928	
Ornamental iron	35,000	35,000	100.0									
Highway	25,000											
Bridge and culvert	32,300	32,300	100.0	9,400								
Street paving	58,617	58,617	100.0	10,780	140							
Metal work, n. e. s.	10,873	4,873	44.8									
Rental of equipment, trucking, etc.	13,154	13,154	100.0	13,154								
PACIFIC												
All classes of establishments	Dollars 187,652,892	Dollars 150,704,184	80.3	Dollars 17,128,608	Dollars 3,110,761	Dollars 529,655	Dollars 3,587,782	Dollars 1,075,292	Dollars 1,878,724	Dollars 895,890	Dollars 18,722,420	Dollars 386,824
Operative builders	1,698,705	1,430,692	84.8	51,021	31,651	410	18,994	23	11,904		68,775	1,031
General contractors	107,084,018	82,640,115	76.5	16,065,095	1,784,465	264,138	803,432	984,086	453,610	672,795	15,545,437	103,708
Building	50,329,679	39,673,142	78.8	4,207,547	1,658,488	243,463	700,603	413,775	412,570	45,012	5,199,886	154,216
Building not specialized	45,567,644	32,416,405	71.1	3,767,528	1,384,929	226,958	627,361	337,408	305,111	44,088	4,579,320	114,301
Commercial building only	2,700,484	2,080,856	77.1	162,020	84,251	3,240	10,111	59,776	5,156		307,704	25,565
Manufacturing building only	2,215,694	643,304	29.0	118,806	51,574		3,200				157,220	2,400
Residential building only	5,845,857	4,532,437	77.5	158,293	37,734	13,255	53,931	10,591	12,303	1,824	155,543	11,950
Highway	12,552,291	10,245,731	81.6	3,911,858	8,835		1,834	311,072	84,191		2,030,753	3,306
Bridge and culvert	5,343,679	4,454,484	83.4	535,635	56,559	20,615	75,155	17,420	15,000	20,000	634,019	448
Grading	440,470	370,473	84.1	132,548	579	70			400	4,959	18,931	
Street paving	10,533,857	16,850,075	159.8	6,220,243	44,584			53,140	23,412	130,151	5,917,158	3,847
Sewer, gas, water, conduit	3,441,549	2,909,319	84.5	240,800	87,828		340	5,500		280	315,200	100
Dam and reservoir	3,812,318	2,765,061	72.5	250,748				150,398			988,754	1,753
Waterworks	813,768	571,237	70.2	58,441	4,550						48,912	
Dredging, river, harbor, etc.	3,274,951	2,800,742	85.5	402,220	2,465		25,500	745	2,228	864,602	305,436	80
Levee	8,429	8,429	100.0	175						2,260	640	
Railroad	354,068	159,948	45.2	7,896						6,135	3,093	
Foundation	131,051	131,051	100.0	30,225	191			27			30,321	43
Central station, light and power plant	2,013,418	1,621,736	80.6	39,238				4,000		5,275	34,028	
Air transport work	14,908	14,998	100.0	2,770							4,141	
Oil and natural gas pipe line	50,753											
Vehicular subway and tunnel	28,050	28,050	100.0					28,000			5,045	
Telephone line and system	34,689	34,689	100.0	7,330	286							
Subcontractors	77,970,160	66,684,377	85.5	1,011,892	1,294,645	265,107	2,765,336	91,173	1,511,150	23,195	1,108,208	221,405
Carpentering and wood flooring	2,103,161	1,727,658	82.1	5,000	5,000						2,400	
Concreting	1,306,568	1,141,331	87.4	409,911	12,467	866		10,340	14,000	785	479,634	1,520
Electrical	9,405,149	9,013,392	95.8	31,778	172						25,184	
Elevator construction	3,439,616	3,093,400	89.9									
Heating and plumbing	25,073,405	19,902,460	79.4	6,389	16,100	100	49,639			274	12,425	111
Heating and piping	4,761,103	3,873,109	81.5	1,864	15,784		2,371			274	2,069	111
Pipe covering	445,813	342,454	76.8									
Plumbing	15,680,014	13,363,623	85.2	4,500	325		47,268				10,332	
Plumbing and heating combined	2,841,366	1,084,035	38.2	25		100					24	
Automatic temperature control	114,416	114,416	100.0									
Automatic sprinkler systems	1,223,823	1,119,823	91.5									
Masonry	2,164,614	1,793,806	82.9	96,716	1,086,215	136,693	56,987	4,604	1,200	1,585	134,621	97,765
Painting and decorating	1,916,835	1,783,035	93.0	1,430							160	
Glass and glazing	2,131,236	1,921,585	90.2	275		7,040					187,276	114,531
Plastering and lathing	2,946,434	2,240,652	76.0	172,990	7,550	2,250	500	12,662		4,012		
Roofing and sheet-metal work	6,038,407	4,782,579	79.2	27,240	80	95,690	88,448				6,220	94
Roofing	3,520,044	2,992,347	84.9	25,729		95,690	88,448				6,160	94
Sheet-metal work	2,305,105	1,692,474	73.4	1,520	80						60	
Roofing and sheet metal combined	147,258	127,258	86.4									
Steel erection	11,684,934	11,349,010	97.1									
Stonework	375,640	331,975	88.4	4,833							7,620	800
Marble and tiling	5,356,876	4,456,942	83.2	79,792	106,087	22,462	2,546,707	63,394	301,674	8,098	134,026	4,658
Excavating	135,625	132,609	97.3	72,699	965						5,552	
Ornamental iron	1,094,368	816,413	74.6						750			
Bridge and culvert	12,969	12,969	100.0	3,100							377	
Grading	20,286	20,286	100.0	18,409							90,516	
Street paving	241,171	219,291	90.9	66,832								
Sewer, gas, water, conduit	40,415	12,300	30.4									
Waterworks	75,137	75,137	100.0									
Dredging, river, harbor, etc.	153,580	118,434	77.1	4,508				233			5,475	
Soundproofing	300,217	280,217	93.3								1,432	
Power plant	397,826	397,826	100.0	6,009							5,795	
Metal work, n. e. s.	908,174	779,166	85.8	200							433	
Flooring, n. e. s.	647,480	281,904	43.5	3,722			22,965		4,958		3,962	1,966

See footnotes end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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

CLASSIFICATION OF ESTABLISHMENTS	Plaster, etc.	Structural steel	Reinforcing steel	Cast iron, miscellaneous excluding pipe	Metal doors, windows, and trim	Metal and wire lath and furring	Ornamental metal work	Lumber, rough and finished	Laths, shingles, and shakes	Millwork	Composition board
UNITED STATES											
All classes of establishments.....	Dollars 14,989,326	Dollars 128,063,685	Dollars 47,126,310	Dollars 8,599,523	Dollars 17,508,830	Dollars 6,235,651	Dollars 14,833,253	Dollars 116,750,865	Dollars 4,373,247	Dollars 47,008,170	Dollars 9,131,708
Operative builders.....	321,274	142,305	179,228	13,149	110,304	60,053	30,768	5,518,487	280,719	2,230,020	172,189
General contractors.....	5,885,689	64,780,485	42,892,059	6,081,088	6,214,232	2,215,251	3,323,208	101,530,510	2,695,905	41,653,040	3,632,932
Building.....	5,763,200	27,894,384	19,331,080	2,318,030	5,941,737	2,128,739	2,888,852	81,760,077	2,607,908	41,132,380	3,464,924
Building not specialized.....	4,780,403	24,504,572	17,414,451	1,571,549	5,347,557	1,902,540	2,715,055	61,698,238	1,824,574	32,651,770	2,510,882
Commercial building only.....	176,504	710,330	1,244,899	51,842	189,543	62,595	102,367	3,440,606	81,176	990,634	51,975
Manufacturing building only.....	41,680	2,190,128	410,445	635,703	120,580	2,340	565	568,800	792	28,450	424,762
Residential building only.....	764,704	480,348	261,274	59,466	284,057	160,804	170,865	16,053,033	702,218	7,461,406	468,325
Highway.....	1,725,506	8,458,282	150,946	24,237	30,007	3,000	30,007	2,532,602	5,720	95,193	17,328
Bridge and culvert.....	47,411	18,709,532	4,708,190	69,035	71,572	43,767	142,338	4,043,678	5,753	231,293	8,051
Grading.....	2,145	210,603	103,113	10,841	440	1,455	178,987	178,987	1,435	13,218	1,185
Street paving.....	11,188	353,920	2,525,348	800,231	12,061	13,810	4,245	1,014,997	72	30,046	52,214
Sewer, gas, water, conduit.....	22,060	358,206	1,450,020	439,040	17,246	3,026	2,330	1,430,180	189	34,767	2,645
Dam and reservoir.....	633	236,935	377,474	125,000	11,040	84	815	235,000	510	3,141	48
Waterworks.....	3,312	275,807	287,190	91,081	14,432	911	2,981	789,538	705	5,140	1,100
Dredging, river, harbor, etc.....	4,565	1,404,395	507,768	85,127	37,443	1,439	2,166	3,248,117	2,177	32,426	20,286
Leves.....	2,469	2,469	14,783	5,444	270	114	23,000	17,084	3,426	8,426	18,000
Railroad.....	4,186,053	1,208,525	63,573	3,764	535	3,597	132,803	1,690,380	2,009	3,020	2,542
Foundation.....	3,237	81,538	70,102	3,764	535	3,597	132,803	1,690,380	2,009	3,020	2,542
Central station, light and power plant.....	7,652	3,016,131	3,143,815	152,717	71,140	14,337	110,072	1,900,250	7,927	48,089	38,305
Air transport work.....	842	26,083	62,250	50,623	2,625	322	6,511	35,200	4,380	289	1,274,140
Refuse disposal plant.....	600	20,308	5,002	7,608	2,625	322	6,511	35,200	4,380	289	1,274,140
Oil and natural gas pipe line.....	600	20,308	5,002	7,608	2,625	322	6,511	35,200	4,380	289	1,274,140
Subway (other than buildings).....	5,565,151	898,202	2,743,237	1,200	999	1,706	777	36,598	3,512	1,190,900	56,821
Vehicular subway and tunnel.....	11,000	18,723	21,410	999	1,706	777	777	36,598	3,512	1,190,900	56,821
Telephone line and system.....	12,374	12,374	12,374	12,374	12,374	12,374	12,374	12,374	12,374	12,374	12,374
Radio tower, etc.....	12,374	12,374	12,374	12,374	12,374	12,374	12,374	12,374	12,374	12,374	12,374
Subcontractors.....	8,762,463	63,180,795	4,055,032	1,904,686	11,184,234	3,063,277	11,470,279	9,701,859	1,300,623	3,115,492	4,320,581
Carpentering and wood flooring.....	13,711	16,402	48,000	66,410	130,421	2,696	4,087	6,831,602	64,590	2,887,203	177,625
Concrete.....	17,861	113,281	1,006,662	32,459	2,755	89,545	1,242	1,369,013	39,985	50,593	10,050
Electrical.....	125	36,100	2,244	71,094	11,000	200	5,400	18,764	1,900	892	13,392
Elevator construction.....	62	110,120	35,357	10,504	12,604	10,500	17,832	1,900	5,290	1,274,140	18,000
Heating and plumbing.....	22,160	155,281	21,620	333,321	22,730	17,706	29,035	124,049	8,080	289	494,045
Heating and piping.....	653	145,021	5,383	268,532	17,500	3,305	27,435	21,237	4,380	289	494,045
Pipe covering.....	10,750	9,298	10,237	54,948	4,966	5,087	600	2,100	3,700	5,010	56,821
Plumbing.....	10,652	9,298	10,237	54,948	4,966	5,087	600	2,100	3,700	5,010	56,821
Plumbing and heating combined.....	105	62	8,841	204	204	1,000	1,000	307,208	32,813	37,319	205,605
Masonry.....	517,210	428,778	367,493	79,862	40,522	103,202	2,865	65,225	13	1,043	0,247
Painting and decorating.....	10,366	89	4,638	9,000	100,834	41,010	34,156	4,600	1,099,216	4,087	268,264
Glass and glazing.....	7,003,093	3,178	76,815	2,510	70,859	3,411,191	7,360	49,946	193,606	12,300	637,070
Plastering and lathing.....	26,873	212,525	23,739	181,093	235,706	51,032	220,920	162,702	180,788	25	494,045
Roofing and sheet-metal work.....	20,573	71,404	23,730	15,300	4,695	7,380	24,420	131,123	2,190	12,374	22,735
Roofing.....	300	51,411	165,478	216,230	30,217	183,182	183,182	28,520	2,190	12,374	22,735
Sheet-metal work.....	300	51,411	165,478	216,230	30,217	183,182	183,182	28,520	2,190	12,374	22,735
Roofing and sheet metal combined.....	105	62	8,841	204	204	1,000	1,000	307,208	32,813	37,319	205,605
Steel erection.....	483	59,343,281	1,240,164	357,329	780,424	94,867	876,363	75,023	287	3,950	1,240
Stonework.....	24,732	11,138	70,072	72	173	200	28,459	21,200	17,933	10,804	51,247
Marble and tiling.....	163,242	3,125	17,375	1,202	10,340	01,010	38,417	13,215	17,933	10,804	51,247
Wrecking.....	3,500	26,988	28,475	761	75	75	180,155	2,750	1,884	65	65
Excavating.....	5	1,174,392	24,094	643,899	60,429	27,323	10,102,026	2,150	1,884	65	65
Ornamental iron.....	123,487	123,487	12,973	2,317	2,317	2,317	2,317	4,882	4,882	4,882	4,882
Highway.....	122,786	1,400	1,610	600	600	600	600	90,905	2,318	150	150
Bridge and culvert.....	250	1,400	1,610	600	600	600	600	90,905	2,318	150	150
Grading.....	250	1,400	1,610	600	600	600	600	90,905	2,318	150	150
Street paving.....	250	1,400	1,610	600	600	600	600	90,905	2,318	150	150
Sewer, gas, water, conduit.....	250	1,400	1,610	600	600	600	600	90,905	2,318	150	150
Dam and reservoir.....	250	1,400	1,610	600	600	600	600	90,905	2,318	150	150
Dredging, river, harbor, etc.....	250	1,400	1,610	600	600	600	600	90,905	2,318	150	150
Soundproofing.....	3,915	1,173	1,000	212	212	1,224	1,224	47,935	61,004	1,612,280	1,612,280
Foundation.....	2,752	100,294	508	49,026	9,627,682	2,000	103,380	79,929	1,020	10,700	3,308
Power plant.....	2,232	1,228,510	18,869	49,026	9,627,682	2,000	103,380	79,929	1,020	10,700	3,308
Metal work, n. e. s.....	1,228,510	18,869	49,026	9,627,682	2,000	103,380	103,380	128,819	15,083	12,230	4,581
Rental of equipment, trucking, etc.....	3,555	1,800	862	862	862	11,865	11,865	8,855	100	12,230	4,581
Flooring, n. e. s.....	48,880	3,555	1,800	862	862	11,865	11,865	8,855	100	12,230	4,581

NEW ENGLAND

All classes of establishments.....	Dollars 923,148	Dollars 6,887,072	Dollars 1,837,047	Dollars 700,570	Dollars 718,733	Dollars 364,720	Dollars 678,225	Dollars 11,822,174	Dollars 472,087	Dollars 3,485,848	Dollars 472,077
Operative builders.....	6,048	13,344	261	549	14,742	5,405	2,168	451,747	20,555	140,135	22,001
General contractors.....	600,977	4,485,122	1,709,183	487,410	569,165	200,676	98,699	11,107,763	410,917	3,273,744	397,689
Building.....	600,328	2,395,412	817,638	335,010	535,378	196,750	85,922	9,117,337	406,211	3,248,882	372,290
Building not specialized.....	456,117	2,136,392	690,756	333,512	493,466	171,550	80,988	6,734,200	237,175	2,541,687	297,899
Commercial building only.....	28,991	143,822	58,613	80	11,483	5,095	266	406,950	4,234	74,645	5,193
Manufacturing building only.....	40,328	57,764	54,614	800	3,407	3,407	74,481	74,481	3,410	100	100
Residential building only.....	79,892	57,434	13,655	618	27,022	20,105	5,068	1,901,507	164,802	628,640	69,098
Highway.....	3,032	105,888	428,903	5,335	1,502	1,502	505	1,601,710	505	4,657	975
Bridge and culvert.....	542	842,898	128,540	1,316	3,480	1,038	712	162,193	863	2,981	455
Grading.....	1,720	2,450	4,234	3,968	390	180	180	27,022	660	4,700	110
Street paving.....	255	9,036	20,514	28,922	3,129	16	16	14,777	88	200	9
Sewer, gas, water, conduit.....	255	2,000	2,008	3,129	3,129	3,129	3,129	56,321	88	200	9
Dam and reservoir.....	255	2,000	2,008	3,129	3,129	3,129	3,129	56,321	88	200	9
Dredging, river, harbor, etc.....	255	2,000	2,008	3,129	3,129	3,129	3,129	56,321	88	200	9
Soundproofing.....	3,915	1,									

CONSTRUCTION—UNITED STATES SUMMARY

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

CLASSIFICATION OF ESTABLISHMENTS	Plaster, etc.	Structural steel	Reinforcing steel	Cast iron, miscellaneous including 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
NEW ENGLAND—Continued											
General contractors—Contd.	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Waterworks.....		5,250	1,400		850	432		17,000		687	200
Dredging, river, harbor, etc.	50	31,530	4,539	2,130	0,505	600		550,557	1,000	5,137	1,850
Railroad.....			2,416					4,767			
Foundation.....	1,200	1,986	1,245	100		600		2,825	700		
Central station, light and power plant.....	2,850	1,027,950	252,272	107,500	18,000	1,000	10,250	981,300		7,100	21,800
Telephone line and system.....			450								
Subcontractors.....	307,123	2,388,000	127,013	212,611	134,826	158,639	577,358	202,604	40,015	65,960	52,387
Carpentering and wood flooring.....					25			173,257	4,217	52,053	8,036
Concreting.....	2,050	12,168	51,949	4,330	450	1,053		30,111	2,400	3,443	
Electrical.....	75	15,250	722	25,000	11,000			2,032			300
Heating and plumbing.....	9	3,664	300	29,715				1,053		29	2,472
Heating and piping.....	4	3,027		29,451				11		29	2,026
Plumbing.....	5	25	300	264				1,012			446
Plumbing and heating combined.....		12						30			
Masonry.....	38,833	14,078	5,231	2,444	1,050	16,679	1,075	17,000	5,519	920	6,440
Painting and decorating.....	80					2					6
Glass and glazing.....		89	38				24,150				
Plastering and lathing.....	252,460	402	797	45	11,100	130,682		1,250	28,254		7,200
Roofing and sheet-metal work.....	10			71,009	26,644		62,010	15,707	225	9,192	27,669
Roofing.....	10						2,000	5,292	200		26,939
Sheet-metal work.....				71,006	23,013		60,010	10,075		0,102	530
Roofing and sheet metal combined.....								400	25		200
Steel erection.....		2,287,702	58,142	60,150	3,631	158	59,000	470		200	156
Stonework.....	3,748		7,194					0,950			
Marble and tiling.....	11,599				2,082	8,565		280		132	
Wrecking.....								1,000			
Excavating.....		3,000	340					2,800			
Ornamental iron.....		52,193	600	13,573	488		430,108				
Grading.....	250		150			600		110			
Dredging, river, harbor, etc.				208				2,704			
Foundation.....			2,250					1,004			

MIDDLE ATLANTIC

All classes of establishments.....	Dollars 4,042,902	Dollars 2,561,116,009	Dollars 11,600,621	Dollars 4,819,481	Dollars 3,288,667	Dollars 2,069,281	Dollars 6,433,221	Dollars 30,236,589	Dollars 1,082,265	Dollars 11,685,191	Dollars 2,796,183
Operative builders.....	49,877	26,707	1,277	2,815	33,150	12,224	10,440	757,045	44,892	512,204	11,588
General contractors.....	1,410,084	27,257,921	10,170,020	4,326,831	1,476,540	568,310	704,017	25,182,398	740,382	0,096,157	1,236,488
Building.....	1,378,869	0,315,060	3,641,647	1,093,492	1,423,312	530,387	646,747	19,111,804	730,055	0,036,822	1,190,537
Building not specialized.....	1,030,097	8,074,561	3,481,602	510,841	1,205,373	440,497	591,348	14,241,213	494,234	7,811,485	635,282
Commercial building only.....	30,124	43,592	35,453	4,400	31,016	13,202	11,021	800,015	40,334	125,668	7,481
Manufacturing building only.....	231	1,034,001	101,579	535,833	72,015	340		161,199		7,083	415,178
Residential building only.....	309,417	102,006	42,053	42,409	114,908	70,258	44,378	3,008,778	195,487	1,001,696	141,596
Highway.....	7,721	389,360	2,641,450	80,023	3,348	310	12,784	471,010	356		1,208
Bridge and culvert.....		8,006,775	1,591,145	20,101	20,420	197	16,411	555,589	1,800	8,042	635
Grading.....	200	120,546	25,748	348	50	1,275		39,659	500	3,148	925
Street paving.....	1,810	69,718	498,324	71,447	1,007	10,310		150,604	10	650	4,407
Sewer, gas, water, conduit.....	17,259	90,273	725,514	90,284	1,891	1,500		558,443	100	4,700	
Dam and reservoir.....	208	4,365	19,050	32,572	1,345	84		29,064		816	48
Waterworks.....	384	90,259	41,174	8,982	3,824		61	150,394	205	200	
Dredging, river, harbor, etc.	2,041	467,001	108,607	72,230	10,552	770	1,526	1,125,804	277	11,499	17,746
Railroad.....		1,001,928	202,779	41,554	270		19,200	440,140		1,033	
Foundation.....	750	11,600	22,385	3,010		1,800		21,440	1,000	1,200	
Central station, light and power plant.....		142,890	52,402	15,061		12,387		116,676	0,519	10,210	11,082
Air transport work.....			121,000					13,150			
Refuse disposal plant.....	842	7,683	2,715	47,221				9,220		275	
Subway (other than buildings).....		5,505,151	398,202	2,743,237	2,025	322	0,511	2,335,479		3,802	
Telephone line and system.....			18,382					34,745			
Radio tower, etc.....		12,374			1,766		777	3,512			
Subcontractors.....	2,582,041	28,831,371	1,437,015	489,835	1,778,908	1,488,747	5,718,758	4,297,146	290,991	1,176,830	1,548,112
Carpentering and wood flooring.....	10,900	456	40,060	66,200	81,225	2,450	3,539	2,038,067	16,583	1,070,514	70,662
Concreting.....	2,315	40,023	1,048,734	15,244	918	42,122		855,843		26,227	82
Electrical.....	50	9,395	1,000	1,016		200	3,300	1,794			10,863
Elevator construction.....		67,374		17,902	7,500	12,500	13,000	8,837			
Heating and plumbing.....	12,372	43,676	587	59,422	951	1,687	9,275	14,210	7,980	3,360	140,881
Heating and piping.....	10	42,386	100	15,035	100		0,275	5,251	4,380		8,432
Pipe covering.....	10,750					1,000					102,124
Plumbing.....	1,507	1,290	487	37,211	587	687		8,265	3,600	3,360	36,325
Plumbing and heating combined.....	105			0,576	264			700			
Masonry.....	80,528	48,275	31,822	19,716	20,624	35,013	596	60,668	23,224	6,205	49,898
Painting and decorating.....	8,255		77	2,977	0,065			62,231	13	1,043	130
Glass and glazing.....			4,000	9,000		40,842	10,000	4,600			
Plastering and lathing.....	2,327,734	804	10,596	395	850	1,102,191	6,766	15,073	213,104		60,937
Roofing and sheet-metal work.....	26,020	78,333	13,539	115	96,271	39,328	103,229	40,920	14,417		158,537
Roofing.....	26,020	1,825	13,539		2,480	1,411	0,215	40,330	14,137		184,676
Sheet-metal work.....		17,322			92,300	37,517	82,827	5,286			2,468
Roofing and sheet metal combined.....		59,276		115	1,485	400	11,187	1,304	280		21,893
Steel erection.....		27,193,133	80,911	45,091	78,859	63,723		386,207			
Stonework.....	14,457	105	61,121	173				3,301	287		1,246
Marble and tiling.....	57,000	2,000	13,686	1,172	5,660	10,453		3,385	15,383	1,491	1,820
Wrecking.....								15,625			
Excavating.....	8,500	21,616	7,777	220	75			95,439			

See footnotes end of table

CONSTRUCTION—UNITED STATES SUMMARY

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

CLASSIFICATION OF ESTABLISHMENTS	Plaster, etc.	Structural steel	Reinforcing steel	Cast iron, miscellaneous excluding pipe	Metal doors, windows, and trim	Metal and wire lath and furring	Ornamental metal work	Lumber, rough and finished	Laths, shingles, and shakes	Millwork	Composition board
MIDDLE ATLANTIC—Continued											
Subcontractors—Continued.	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Ornamental iron.....	5	724,392	17,767	212,593	30,119	27,323	5,144,464	1,600			65
Highway.....		122,887	12,078	2,317				2,582			
Bridge and culvert.....		201	3,435					1,825			
Grading.....		1,400		600				2,208			
Street paving.....								2,250			
Sewer, gas, water, conduit.....			284	5,011				2,208			
Dam and reservoir.....			2,300								
Dredging, river, harbor, etc.....		60,210	220	27,675	1,910			35,178		13,040	
Soundproofing.....								24,210		45,500	1,048,289
Foundation.....			61,971					35,045			
Metal work, n. o. s.....		417,091	11,254	2,269	1,430,368			20,342			701
Rental of equipment, trucking, etc.....			1,800					500			
Flooring, n. e. s.....	39,798					11,015		2,500			4,481

EAST NORTH CENTRAL											
All classes of establishments.....	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
	5,073,330	26,408,970	14,424,378	1,613,873	6,794,618	1,589,668	5,677,807	29,478,326	1,473,449	13,643,888	2,409,200
Operative builders.....	115,734	56,787	10,566	2,814	28,157	15,899	11,405	2,218,507	111,748	560,315	102,351
General contractors.....	1,595,272	15,426,267	13,855,048	774,860	1,529,913	544,586	951,602	24,710,926	629,164	11,201,072	836,469
Building.....	1,580,126	6,805,610	6,134,498	408,171	1,494,651	540,873	821,744	21,042,026	626,313	11,116,303	821,148
Building not specialized.....	1,367,545	5,570,118	5,147,781	272,795	1,369,633	514,866	758,885	15,400,351	445,235	8,249,498	608,451
Commercial building only.....	34,756	202,907	770,297	31,720	17,068	7,142	6,694	891,441	20,451	284,545	11,637
Manufacturing building only.....		883,211	151,078	97,095	31,608	2,000	565	190,057		13,337	4,484
Residential building only.....	183,825	149,284	59,342	6,561	82,442	16,875	55,600	5,154,177	100,627	2,568,928	100,576
Highway.....	5,892	208,186	2,084,070	13,720	8,700	1,675	5,091	265,813	1,400	28,308	7,904
Bridge and culvert.....	300	3,760,136	691,054	16,301	8,380	271	12,630	442,473	40	4,951	2,724
Grading.....		1,366	14,572	150				2,865			
Street paving.....	1,478	35,707	1,150,604	87,947	575	427	330	255,034		15,074	2,824
Sewer, gas, water, conduit.....		136,967	346,964	170,804	828		1,480	483,245	83	11,251	1,220
Dam and reservoir.....		18,463	10,897	1,041	500			10,143		400	
Waterworks.....	428	46,328	77,114	41,072	722	20	2,720	56,800	500	958	466
Dredging, river, harbor, etc.....		664,802	142,748	3,390				485,331			135
Levee.....		260	14,218	5,355				13,717			
Railroad.....		1,708,317	489,940	5,195		114		404,105		657	
Foundation.....	1,048	5,987	40,899	94		1,197		64,649	828	1,700	48
Central station, light and power plant.....		2,014,739	2,572,495	11,048	15,557		107,607	584,196		20,570	
Refuse disposal plant.....		18,400	57,302	3,402				6,329			
Vehicular subway and tunnel.....		11,000	18,673	1,200				50,200			
Subcontractors.....	3,362,324	10,923,916	552,764	786,209	5,236,448	1,029,208	2,714,800	2,542,893	732,537	1,782,501	1,470,880
Carpentering and wood flooring.....	2,811	7,733		210	16,306	246	498	2,080,231	43,700	1,732,905	53,213
Concrete.....	7,742	33,372	222,735	10,371	1,087	2,459	1,242	160,406	1,302	17,393	1,067
Electrical.....		3,261	160	8,606				3,885			2,209
Elevator construction.....		18,593		14,455	3,084			3,904			
Heating and plumbing.....	9,241	72,104	200	190,719	2,400	8,815	200	15,326	100	150	533,065
Heating and piping.....	116	71,604	50	174,219	2,400	7,115	200	11,070			3,881
Pipe covering.....						300		1,106			504,134
Plumbing.....	9,125	450	150	15,335		1,400		2,920	100	150	25,050
Plumbing and heating combined.....		50		1,165				130			
Masonry.....	364,400	328,099	180,054	48,101	10,828	44,843	1,194	115,759	3,270	9,805	151,311
Painting and decorating.....	1,099							2,504			
Glass and glazing.....					21,294						
Plastering and lathing.....	2,040,114	812	1,848	1,678	42,349	938,517		11,710	590,183	3,518	129,840
Roofing and sheet-metal work.....	425	115,366	10,000	82,669	56,372	150	17,457	14,680	86,586	25	289,187
Roofing.....	125	57,000	10,000				1,705	3,856	86,071	25	176,032
Sheet-metal work.....	300	27,992		82,669	46,907	150	16,621	9,475	100		13,510
Roofing and sheet metal combined.....		30,374			9,465			131	325		96,606
Steel erection.....		9,918,482	72,415	67,209	499,028	10,985	284,000	3,471		1,100	
Stonework.....	1,180	10,741	130					1,246			
Marble and tiling.....	23,812	570	3,401	25	231	22,601	17,898	3,400	1,246	2,046	15,645
Excavating.....		62	2,473					5,448			
Ornamental iron.....		89,436	1,000	310,399	5,372		2,370,927	1,100			
Highway.....		600	900					1,800			
Bridge and culvert.....		118,193	13,529					13,894			
Street paving.....			11,668					6,433			
Sewer, gas, water, conduit.....				1,585				200			
Dredging, river, harbor, etc.....			611					11,000			
Soundproofing.....	2,500	416	1,000	212		586		20,492		2,550	297,864
Foundation.....		2,752	29,778					37,553			
Metal work, n. o. s.....		199,760			4,578,410		21,384	1,145			
Rental of equipment, trucking, etc.....		3,555						14,683			
Flooring, n. e. s.....			862					729		12,230	

WEST NORTH CENTRAL											
All classes of establishments.....	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
	819,640	10,353,612	8,199,122	386,787	1,209,310	510,302	1,913,601	9,182,048	289,869	3,760,513	827,885
Operative builders.....	41,980	12,182	8,600	240	5,245	11,399	2,310	334,695	26,851	167,015	7,500
General contractors.....	551,665	7,017,944	5,662,714	212,067	827,175	281,652	663,352	8,535,739	237,830	3,572,663	200,935
Building.....	541,740	3,516,973	2,450,440	150,473	809,189	270,125	657,036	5,874,181	237,088	3,516,885	280,244
Building not specialized.....	477,302	3,349,952	2,219,186	141,125	770,694	244,249	638,556	4,718,437	194,878	2,946,650	239,272
Commercial building only.....	21,587	65,877	143,482	8,492	29,733	18,609	15,805	406,843	1,785	133,140	5,183
Manufacturing building only.....		55,000			3,600			21,898		3,000	
Residential building only.....	42,851	46,144	87,772	856	5,162	16,367	2,675	727,008	40,425	434,065	35,789
Highway.....	2	390,174	1,600,919	10,076	1,030	120	280	336,050		6,738	2,572
Bridge and culvert.....	7,132	2,543,665	704,347	5,302	3,543	1,465	1,881	791,471		26,064	1,093

See footnotes end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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

CLASSIFICATION OF ESTABLISHMENTS	Plaster, etc.	Structural steel	Reinforcing steel	Cast iron, miscellaneous excluding pipe	Metal doors, windows, and trim	Metal and wire lath and furring	Ornamental metal work	Lumber, rough and finished	Laths, shingles, and shakes	Millwork	Composition board
WEST NORTH CENTRAL—Continued											
General contractors—Con.	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Grading		61,300	35,212					37,619	50		
Street paving	375	18,416	303,519	4,488		402	295	58,364	501	10,740	688
Sewer, gas, water, conduit		29,887	99,162	19,766		40		69,954		1,738	
Dam and reservoir	150	43,257	118,308	1,877	1,795			83,116		750	
Waterworks		600	3,450	3,200	150			364,880			
Dredging, river, harbor, etc.		6,400						416,610			
Levee			310	89				2,366			
Railroad		370,464	314,592	11,296			3,860	420,028			
Foundation	166	500	7,030					2,000			
Central station, light and power plant	1,500	10,000	22,000	5,500	3,000	500		25,700	200	2,000	1,000
Refuse disposal plant			2,233					4,157			
Oil and natural gas pipe line	600	20,308	602		7,608			40,243		7,748	5,338
Subcontractors	220,045	3,323,486	527,808	174,480	376,800	217,260	1,247,939	321,612	24,679	20,835	529,250
Carpentering and wood flooring								63,985		1,816	27,440
Concreting		23,229	267,542			1,000		99,833	9,000		200
Electrical								50			
Elevator construction		23,159						4,311			
Heating and plumbing	15	16,643		17,418		3,164		1,835			373,530
Heating and piping		16,503		15,218		150		150			1,878
Pipe covering						3,014		1,000			372,158
Plumbing	15	140		160				685			
Plumbing and heating combined				2,100				100			
Masonry	240	5,208	81,479					21,609			2,000
Glass and glazing					25,000	100					
Plastering and lathing	223,312		60,000		3,763	211,245		2,371	15,119		2,669
Roofing and sheet-metal work				300	1,615	685	20,544	1,722	560	1,216	31,484
Roofing				300	1,365		8,000	1,070	560		28,026
Sheet-metal work					250	650	18,544	40		1,216	1,658
Roofing and sheet metal combined						35					1,800
Steel erection	483	2,626,988	82,938	30,000	12,000		67,040	3,133			
Marble and tiling	1,995		163	5	1,015	1,000	6,870	1,012			591
Excavating			3,600					4,734			
Ornamental iron		197,000		81,000			1,124,889				
Bridge and culvert		1,811	38,356					27,144			
Soundproofing								1,350		12,803	88,033
Power plant		2,232						528			
Metal work, n. e. s.		427,216	3,732	45,757	333,127		21,996	87,935		5,000	2,697

SOUTH ATLANTIC

All classes of establishments	Dollars 1,111,956	Dollars 8,106,345	Dollars 2,887,001	Dollars 163,656	Dollars 3,493,317	Dollars 368,435	Dollars 360,791	Dollars 8,833,688	Dollars 287,688	Dollars 4,000,606	Dollars 608,348
Operative builders	60,010	26,797	140,963	3,819	25,595	9,172	4,482	823,898	18,805	483,008	12,256
General contractors	445,077	3,364,094	2,440,643	129,780	500,162	172,072	207,485	7,651,633	195,864	3,483,530	175,936
Building	436,418	2,171,693	1,167,774	76,191	481,789	169,094	208,285	6,950,420	195,704	3,433,528	172,793
Building not specialized	367,084	2,052,718	1,100,870	77,096	424,031	150,921	175,343	4,871,628	160,548	2,825,435	149,183
Commercial building only	21,754	86,012	47,003	615	44,091	7,170	22,233	195,455	8,000	125,441	2,283
Residential building only	47,580	32,363	9,901	1,480	13,997	10,973	8,709	888,867	38,560	482,049	31,322
Highway	1,945	105,784	347,473	16,071	520	400	1,100	361,275	150	21,857	
Bridge and culvert		954,479	464,739	1,224	1,094		100	603,634		6,262	630
Grading		10,900	3,308					2,006			
Street paving	1,400	30,112	71,000	8,760	2,900	1,000		96,804		6,000	138
Sewer, gas, water, conduit	2,840	23,705	62,348	20,458	12,000	1,758		76,056		10,033	1,425
Waterworks		17,095	23,464	1,000	1,746	450		25,620		2,295	
Dredging, river, harbor, etc.	2,474	5,622	80,294	550	313			237,850		2,829	
Railroad		10,704	146,391	2,528				274,313		830	
Foundation			2,182					9,895			
Central station, light and power plant		33,400	82,700		700			13,700		400	50
Subcontractors	608,869	4,714,454	285,395	30,057	2,972,560	186,591	148,824	358,057	73,029	33,467	321,056
Carpentering and wood flooring								61,887			
Concreting		550	187,364	600	800	5,810		128,312	21,238	700	617
Electrical		8,000		5,500				750			
Elevator construction	62					104					
Heating and plumbing		4,093	1,865	1,142	15,000	1,000	7,200	4,314			185,688
Heating and piping		3,900	1,865	500	15,000	1,000	7,200	1,244			
Pipe covering											188,688
Plumbing		193		642				3,070			
Masonry	30,065		65,087	136		215		76,102		20,000	43,610
Painting and decorating	6,913										6,075
Plastering and lathing	529,090	500			107	164,134		11,754	36,570		22,007
Roofing and sheet-metal work		600		20,278	8,906	4,000	5,500	1,823	12,000		23,735
Roofing		100		15,000	850		3,500	1,498	10,000		22,600
Sheet-metal work		500		5,278	7,906			325	2,000		1,135
Roofing and sheet metal combined					150	4,000	2,000				
Steel erection		4,622,548	16,000		28,344						
Stonework	1,662	292		72				6,421		3,500	
Marble and tiling	31,184	85					10,184	125	221	4,448	20,881
Excavating		910	2,554		2,329			8,657			
Ornamental iron		48,180	4,827					138,389			
Highway										1,884	
Bridge and culvert			400								
Sewer, gas, water, conduit					265	500		38,000			
Dredging, river, harbor, etc.			150					4,400		150	
Soundproofing	617	100						874		85	9,543
Foundation			3,265					5,082			
Metal work, n. e. s.		28,646	3,883		2,919,078			10,047		2,700	
Flooring, n. e. s.	7,276										

See footnotes end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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

CLASSIFICATION OF ESTABLISHMENTS	Plaster, etc.	Structural steel	Reinforcing steel	Cast iron, miscellaneous excluding pipe	Metal doors, windows, and trim	Metal and wire lath and furring	Ornamental metal work	Lumber, rough and finished	Laths, shingles, and shakes	Millwork	Composition board
EAST SOUTH CENTRAL											
All classes of establishments.....	Dollars 601,697	Dollars 4,638,023	Dollars 1,438,720	Dollars 185,039	Dollars 394,733	Dollars 126,151	Dollars 433,705	Dollars 3,181,417	Dollars 119,760	Dollars 1,674,594	Dollars 179,461
Operative builders.....	3,380	1,659	305	1,601			1,393	23,810	2,283	24,821	1,800
General contractors.....	307,406	1,590,104	1,392,816	160,187	292,869	57,471	162,102	3,044,074	80,991	1,643,346	110,402
Building.....	306,406	829,626	635,804	85,490	272,869	56,971	162,102	2,417,593	89,991	1,640,346	88,982
Building not specialized.....	278,935	607,589	553,765	81,406	237,643	51,321	137,029	1,917,946	61,011	1,358,639	83,004
Commercial building only.....	27	17,300	2,000		30,636	3,390	20,602	66,084		83,462	
Manufacturing building only.....		120,000	60,000		2,000			40,000			
Residential building only.....	26,604	15,824	4,670	2,000	2,690	2,260	4,471	393,503	28,980	108,245	5,978
Highway.....		57,806	260,994	3,673				201,630		1,000	
Bridge and culvert.....		335,063	327,233	10,091				182,174		1,000	
Grading.....			8,323					2,592			
Street paving.....		3,080	52,700	12,507				16,945			
Sewer, gas, water, conduit.....		1,000	0,871	37,970				19,013			
Railroad.....		86,277	14,301					87,702			18,000
Foundation.....		11,260	560	450				1,625			2,420
Central station, light and power plant.....	1,000	271,502	83,000	10,000	20,000	500		114,800		1,000	1,000
Subcontractors.....	290,851	2,941,160	45,599	23,161	101,864	63,680	260,210	113,533	27,486	0,427	67,259
Carpentering and wood flooring.....					5,737			69,508			
Concreting.....	2,000	1,457	38,946			900		22,723	200	200	1,080
Electrical.....				20,000				650			
Elevator construction.....		1,000		3,000			3,500			1,300	
Heating and plumbing.....							1,200	6,050		1,000	
Heating and piping.....							1,200				
Plumbing.....								5,050		1,000	
Plumbing and heating combined.....								1,000			
Masonry.....		809	100	161	89			48			
Plastering and lathing.....	285,358				12,000	66,670	603	1,165	27,004		3,369
Roofing and sheet-metal work.....		3,521			1,001			4,065	222	870	27,539
Roofing.....		2,078						3,866	222		27,539
Sheet-metal work.....		1,448			1,001			700		870	
Steel erection.....		2,081,135	245		64,757			11,053			
Marble and tiling.....	2,695					1,110		370	200		
Ornamental iron.....							243,484				
Bridge and culvert.....		2,581	6,308					2,098			
Soundproofing.....	798	657						1,509			35,251
Metal work, n. e. s.....					17,730					3,000	
Flooring, n. e. s.....								5,517			

WEST SOUTH CENTRAL

CLASSIFICATION OF ESTABLISHMENTS	Dollars 641,358	Dollars 4,840,612	Dollars 3,972,768	Dollars 196,193	Dollars 632,033	Dollars 393,158	Dollars 257,270	Dollars 6,582,399	Dollars 226,903	Dollars 2,735,248	Dollars 384,522
Operative builders.....	5,684	1,831	3,740	150	3,075	1,842	2,620	280,967	27,997	70,191	8,193
General contractors.....	374,648	2,916,642	3,408,530	191,435	409,021	175,445	165,841	6,268,980	129,126	2,656,067	234,490
Building.....	359,680	1,893,562	1,571,634	109,625	376,683	174,217	148,339	4,980,727	125,867	2,619,819	226,950
Building not specialized.....	335,257	1,785,389	1,505,033	105,522	355,074	166,078	137,099	3,937,059	60,811	2,349,126	184,793
Commercial building only.....	10,643	63,209	25,703	815	10,461	1,382	4,128	134,771	144	44,764	3,065
Manufacturing building only.....	1,030	7,052	24,100	785	5,000			11,128		750	
Residential building only.....	12,650	7,012	16,738	2,403	6,148	6,757	7,112	897,769	64,912	225,179	39,089
Highway.....	1,593	271,008	758,316	2,323	4,040			195,569			
Bridge and culvert.....	5,000	467,918	368,304	1,290				638,107	3,060	16,030	2,040
Street paving.....	2,007	68,866	221,009	18,014	8,479	1,228	2,000	90,096	193	3,871	6,000
Sewer, gas, water, conduit.....	1,861	43,285	133,927	24,200	2,267		850	125,864	6	410	
Dam and reservoir.....		25,783	85,719	28,883	200			28,121		175	
Waterworks.....	2,500	109,920	116,725	7,200	5,440		100	84,850		1,000	500
Levee.....		66,494	21,697		9,113			101,020		8,160	
Railroad.....			33,626					1,001			
Foundation.....			500					12,219			
Central station, light and power plant.....								300			
Oil and natural gas pipe line.....	2,302		57,673		2,199			10,616		0,592	
Oil and natural gas pipe line.....			4,400					500			
Subcontractors.....	261,026	1,022,139	560,498	4,608	219,997	205,871	88,800	26,462	69,780		91,839
Carpentering and wood flooring.....											16,383
Concreting.....	128	650	63,222							18,041	
Heating and plumbing.....		200	300	1,396	379			500		1,800	
Plumbing.....		200	300	1,396	379			500		1,800	
Masonry.....		375									
Plastering and lathing.....	248,844					176,505		650	69,780		1,000
Roofing and sheet-metal work.....		371		3,212	2,532	6,809	3,309	1,550			34,841
Roofing.....		371		3,212	2,532	5,989		1,550			31,166
Sheet-metal work.....						900	3,309				3,175
Steel erection.....		1,784,034	483,536		10,500	20,000	10,000				
Stonework.....	2,085		877								
Marble and tiling.....	9,369	245						698			115
Excavating.....			9,533			2,437		3,118			
Ornamental iron.....		10,000							16,000		
Soundproofing.....											46,000
Foundation.....			3,030					285			
Metal work, n. e. s.....		126,264			208,580		60,000				

See footnotes end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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

CLASSIFICATION OF ESTABLISHMENTS	Plaster, etc.	Structural steel	Reinforcing steel	Cast iron, miscellaneous excluding pipe	Metal doors, windows, and trim	Metal and wire lath and furring	Ornamental metal work	Lumber, rough and finished	Laths, shingles, and shakes	Millwork	Composition board
MOUNTAIN											
All classes of establishments.....	Dollars 250,223	Dollars 1,706,574	Dollars 492,679	Dollars 21,855	Dollars 200,005	Dollars 75,810	Dollars 118,031	Dollars 2,380,367	Dollars 107,791	Dollars 804,385	Dollars 88,567
Operative builders.....	10,308	160	1,000		300	450	760	85,770	13,260	22,942	2,200
General contractors.....	167,459	837,450	451,677	19,092	194,655	47,957	53,727	2,265,306	80,636	781,443	62,442
Building.....	163,056	369,345	246,397	10,627	181,306	46,830	52,512	2,006,124	79,101	775,950	58,789
Building not specialized.....	143,557	358,095	238,338	10,627	178,100	44,647	50,621	1,760,537	68,534	729,450	50,935
Commercial building only.....	7,415	7,895	6,325		1,011	1,400	966	42,503	20	10,002	731
Residential building only.....	12,084	3,355	1,731		2,195	883	925	104,084	10,547	35,898	1,123
Highway.....		96,645	70,597	872				83,093	300	500	100
Bridge and culvert.....	750	250,940	81,108	2,500	1,812	700		67,643	500	4,193	500
Grading.....	225	1,711	1,713					11,163	225		150
Street paving.....	3,428	82,490	18,301	4,553		427		42,202			1,403
Sewer, gas, water, conduit.....			973	540				1,713			
Dam and reservoir.....			9,400					2,950	510	300	
Dredging, river, harbor, etc.....			50								
Railroad.....			3,463					4,830			
Central station, light and power plant.....		36,325	10,585		11,537		1,215	40,583			1,500
Subcontractors.....	72,456	868,058	40,002	2,803	5,050	27,403	63,554	20,305	13,886		24,925
Concreting.....			6,436					22,005	2,785		
Heating and plumbing.....							2,000	600			325
Heating and piping.....							1,000				
Plumbing.....								600			
Plumbing and heating combined.....							1,000				325
Masonry.....	50	1,257	310	503				300			
Plastering and lathing.....	72,324	600				26,046			10,001		
Roofing and sheet-metal work.....			200	200	50				500		24,000
Roofing.....			200						500		24,000
Roofing and sheet metal combined.....				200	50						
Steel erection.....		805,701	31,206	100			33,554				
Marble and tiling.....	82					1,357		100			
Excavating.....		1,400	350								
Ornamental iron.....				2,000	5,000		28,000				
Bridge and culvert.....			1,500					5,000			
Street paving.....								200			
PACIFIC											
All classes of establishments.....	Dollars 1,505,072	Dollars 9,088,478	Dollars 4,285,083	Dollars 611,029	Dollars 772,454	Dollars 751,068	Dollars 970,602	Dollars 15,043,939	Dollars 313,935	Dollars 5,327,898	Dollars 514,654
Operative builders.....	28,303	2,838	6,526	1,071	100	3,701	4,192	596,042	14,319	252,798	4,300
General contractors.....	423,941	1,828,035	3,800,819	380,023	414,723	166,482	316,383	12,757,700	175,996	5,045,637	288,981
Building.....	380,617	626,303	2,675,337	46,645	366,560	125,522	207,165	10,660,565	171,638	4,844,345	244,131
Building not specialized.....	324,509	509,758	2,497,100	38,545	319,143	112,021	145,186	8,101,807	112,148	3,839,805	175,038
Commercial building only.....	16,307	70,219	134,600	3,711	14,044	5,215	20,652	495,935	1,408	108,374	16,399
Manufacturing building only.....		32,200	19,074	1,250	2,950			70,043			5,000
Residential building only.....	30,801	14,126	24,503	3,139	30,423	7,380	41,327	1,092,780	58,082	806,180	47,754
Highway.....	3,254	40,055	255,554	21,253	3,897	546	200	511,852	3,000	24,773	4,599
Bridge and culvert.....	33,687	664,058	361,220	10,850	32,834	40,080	106,604	610,389		161,780	874
Grading.....		3,421	10,003	6,375				51,003			370
Street paving.....	435	36,665	171,377	123,693			1,620	284,111		1,611	37,745
Sewer, gas, water, conduit.....	600	31,089	73,108	66,491		328		39,582		6,665	
Dam and reservoir.....	275	144,370	98,232	61,227	7,200			55,700		200	
Waterworks.....		5,740	23,869	29,627	1,750		100	89,959		100	
Dredging, river, harbor, etc.....		162,540	110,443	6,848	1,800		640	321,885		4,800	555
Levee.....		2,200	850								
Railroad.....		48,363	1,047	3,000				33,267			
Foundation.....	78	215	4,271	110	535		54	30,074	141	126	74
Central station, light and power plant.....		73,316	10,028	3,008	147			62,628	1,208	217	973
Air transport work.....			1,092					4,763		650	
Vehicular subway and tunnel.....			50								
Telephone line and system.....			2,578	990				1,853			
Subcontractors.....	1,052,828	7,266,705	477,738	230,832	357,631	580,883	650,027	1,750,197	123,620	29,463	221,373
Carpentering and wood flooring.....		8,213	2,000		32,428			1,437,767		20,825	1,891
Concreting.....	3,616	1,832	32,724	1,864	100	35,206		25,739		2,610	7,004
Electrical.....		200	392	10,072			2,100	3,943		892	
Elevator construction.....								800			
Heating and plumbing.....	523	14,901	18,368	33,509	4,000	3,040	8,560	78,265		700	38,173
Heating and piping.....	523	7,901	3,368	33,509		40	8,560	2,911		200	2,377
Pipe covering.....											35,796
Plumbing.....		7,000	15,000		4,000	3,000		75,384		500	
Masonry.....	5,102	30,677	3,409	8,741	8,281	10,552		15,156	800	299	12,337
Painting and decorating.....							68				1,036
Glass and glazing.....					114,540						
Plastering and lathing.....	1,014,857		3,074	302		505,141		5,973	102,541	569	40,214
Roofing and sheet-metal work.....	418	14,334	3,313	42,255			2,871	76,175	19,096	1,096	23,617
Roofing.....	418	10,095						73,550	19,096		28,367
Sheet-metal work.....		4,239	3,313	42,255			2,871	2,619		1,096	260
Steel erection.....		7,118,558	408,773	148,779	5,851		24,000	40,000		325	
Stonework.....	1,000		750			200		2,500			
Marble and tiling.....	25,497	275	125		452	24,237	661	4,457	1,083	2,087	3,695
Excavating.....			1,848	541				9,871			
Ornamental iron.....		68,191		21,975	13,460		611,775				
Bridge and culvert.....			542					2,044			
Street paving.....			2,943	646				10,274			
Dredging, river, harbor, etc.....			2,312					30,202			
Soundproofing.....											92,706
Power plant.....			508					492			
Metal work, n. e. s.....		29,524		1,000	136,274	2,000		850			
Flooring, n. o. s.....	1,815					350		109	100		100

See footnotes end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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

CLASSIFICATION OF ESTABLISHMENTS	Water-proofing materials	Hardware, rough and finished	Paints, varnishes, and glass	Roofing and sheet metal	Finished flooring, n. e. s.	Screens, shades, awnings, etc.	Heating and ventilating equipment	Plumbing and gas fitting equipment	Electrical appliances and supplies	Elevators, dumb-waiters, etc.	Pipe: Drain tile, vitrified, concrete, etc.
UNITED STATES											
All classes of establishments.....	Dollars 3,840,384	Dollars 18,112,097	Dollars 33,614,058	Dollars 56,035,925	Dollars 7,027,319	Dollars 2,825,900	Dollars 125,123,220	Dollars 130,987,637	Dollars 99,455,284	Dollars 51,552,310	Dollars 20,344,184
Operative builders.....	47,964	612,325	408,069	211,488	224,813	143,367	418,268	577,410	335,425	58,963	50,047
General contractors.....	2,093,803	16,091,546	6,586,066	6,722,299	3,263,033	957,365	10,217,894	10,218,975	15,700,484	1,739,405	18,840,363
Building.....	1,137,430	12,965,913	5,967,393	6,207,265	3,181,171	916,575	7,396,108	8,137,088	4,992,289	1,617,721	968,104
Building not specialized.....	982,060	10,560,466	4,816,284	4,895,131	2,620,022	600,587	3,941,705	3,781,643	3,464,536	1,309,805	825,474
Commercial building only.....	56,260	568,497	212,712	289,002	63,187	19,506	212,416	261,942	179,006	262,906	18,539
Manufacturing building only.....	10,472	49,871	30,242	188,011	8,000		2,395,312	2,030,304	722,457	23,200	46,220
Residential building only.....	88,638	1,788,089	908,130	833,321	489,982	296,432	846,076	1,463,190	625,391	21,810	77,871
Highway.....	99,017	550,345	56,026	38,421	15,380	2,229	60,223	70,632	70,632	3,648	2,780,076
Bridge and culvert.....	112,474	460,020	246,480	144,412	28,950	2,066	258,026	231,679	358,454	86,908	184,752
Grading.....	6,146	30,590	22,220	683	165	3,480	6,818	6,103	4,014		242,560
Street paving.....	39,959	212,622	25,695	37,558	6,297	1,739	21,772	252,057	239,070	4,220	2,101,600
Sewer, gas, water, conduit.....	47,171	174,865	54,121	23,591	4,315	3,008	102,121	527,323	119,667	12,292	9,220,533
Dam and reservoir.....	2,900	53,140	10,067	21,027	320	35	19,056	91,987	36,059		894,189
Waterworks.....	9,692	128,432	22,748	30,674		712	38,158	430,068	114,399		862,555
Dredging, river, harbor, etc.....	23,819	476,523	40,781	40,018	2,203	300	38,643	57,043	84,966	1,000	754,418
Levee.....		1,246						300	728		39,014
Railroad.....	73,918	211,695	40,598	34,537	11,316		308,643	2,719	19,874		114,014
Foundation.....	8,994	43,983	1,319	1,941	151		985	7,744	4,733	60	7,351
Central station, light and power plant.....	18,548	330,643	81,873	97,104	12,200	27,146	1,863,620	226,575	9,236,166	12,300	66,075
Air transport work.....		1,450	60			75	10,000				2,687
Refuse disposal plant.....	5,407	691	416				7,756	998	32,614	1,187	13,990
Oil and natural gas pipe line.....	198,369	2,000	5,204	13,327			47,526	130,011	194,948		7,291
Subway (other than buildings).....	284,969	407,560	10,298	28,222	3,030		7,939	56,977	177,167		144,790
Vehicular subway and tunnel.....		3,938									434,554
Telephone line and system.....		28,890	732	180	565						
Radio tower, etc.....											
Miscellaneous, n. e. s.....										14,713	
Subcontractors.....	1,723,617	1,408,226	26,610,923	40,102,138	3,539,473	1,225,168	114,486,058	120,101,252	83,419,355	49,753,942	1,444,174
Carpentering and wood flooring.....	35,371	493,414	233,439	25,767	344,998	33,449	6,150	55,297	9,114	1,002	400
Concrete.....	487,416	108,046	70,861	72,438	64,799	50		40,004	12,109		65,372
Electrical.....	1,417	32,927	41,795	44,977			1,003,268	324,716	80,637,251	47,972	33,551
Elevator construction.....	750	41,341	14,233	840	444		52,400	29,975	451,816	48,861,647	
Heating and plumbing.....	4,722	57,387	70,193	2,728,724	5,675	7,915	110,321,093	118,838,276	1,140,046	22,887	972,093
Heating and piping.....		24,106	25,088	1,617,925	1,110	7,890	79,431,881	11,472,713	414,000	950	245,567
Pipe covering.....	2,938	215	6,591	68,775			2,356,780	2,599	18		1,000
Plumbing.....	1,756	31,214	34,842	801,595	4,055	25	20,468,064	87,893,345	619,992	20,787	590,345
Plumbing and heating combined.....	28	1,852	3,612	247,420	400		6,380,081	7,700,367	105,527	950	120,091
Automatic temperature control.....							1,494,229				
Automatic sprinkler systems.....							180,462	11,709,281	473		
Masonry.....	27,285	57,254	11,978	12,626	366	200	4,856	5,539	3,344	7,400	64,393
Painting and decorating.....	21,709	5,599	16,720,541	38,237	2,280	117,856	811		46,426		
Glass and glazing.....			7,050,034	15,000		723					
Plastering and lathing.....	77,322	29,507	23,476	80,696			645		136	150	3,467
Roofing and sheet-metal work.....	994,301	127,574	894,504	45,438,882	129,589	11,436	2,242,749	535,683	42,751	7,500	5,594
Roofing.....	895,881	72,657	309,722	25,560,155	38,220	88	488,742	122,976	8,900		2,850
Sheet-metal work.....	34,671	44,371	571,710	11,958,869		4,835	1,266,758	257,098	33,635	7,500	2,744
Roofing and sheet metal combined.....	63,749	10,546	13,072	7,924,858	91,969	6,513	487,249	155,589	216		
Steel erection.....	5,520	97,709	214,225	363,549			680,793	5,988	32,581	748,790	16,272
Stonework.....	7,329	10,988	13,952	5,076	140		183	3,472	3,728		558
Marble and tiling.....	6,309	49,424	95,069	103,051	228,756	324	48,439	21,716	250,089	1,250	
Wrecking.....		245	280	840							
Excavating.....	4,075	10,177	225	225							
Ornamental iron.....	4,560	74,687	15,164	3,500	69,655			3,823	1,619	31,235	156,354
Highway.....			4,700						19,237		7,963
Bridge and culvert.....	506	3,384	20								5,805
Grading.....	175	6,084							1,000		860
Street paving.....		8,732									16,107
Sewer, gas, water, conduit.....			400	900				24,677	500		47,669
Dam and reservoir.....											12,100
Waterworks.....											4,840
Dredging, river, harbor, etc.....		11,112	5,488	13,457					12,904		21,127
Soundproofing.....	9,133	13,093	40,374	122,881	210,940		118,281		2,000		5,819
Foundation.....	1,912	46,835							1,529		
Power plant.....		2,559	1,445	882					492,633		
Metal work, n. e. s.....	18,061	49,651	461,358	24,590	6,867	1,013,294	4,900	302,047	287,945	24,309	150
Rental of equipment, trucking, etc.....		938									750
Flooring, n. e. s.....	15,654	2,759	36,229	8,000	2,475,094	39,021	2,000				

NEW ENGLAND

All classes of establishments.....	Dollars 205,933	Dollars 1,337,394	Dollars 3,148,271	Dollars 4,578,585	Dollars 397,508	Dollars 180,497	Dollars 11,165,768	Dollars 9,400,818	Dollars 8,110,943	Dollars 2,519,052	Dollars 566,830
Operative builders.....	633	51,146	26,365	11,137	19,761	18,425	45,019	49,687	19,294	250	2,160
General contractors.....	143,980	1,251,950	590,802	521,344	352,852	105,463	404,737	317,914	1,729,842	41,178	522,856
Building.....	119,533	1,057,501	541,912	501,753	346,406	103,783	348,275	285,170	1,638,941	41,178	100,756
Building not specialized.....	109,791	823,244	433,345	383,660	265,567	76,206	259,624	196,417	146,522	40,006	91,418
Commercial building only.....	4,358	35,858	15,267	26,108	12,446	1,236	45,235	24,033	9,673	1,049	1,488
Manufacturing building only.....	704	6,985	4,383	4,143							154
Residential building only.....	4,680	186,414	88,917	87,842	68,403	26,341	43,416	64,720	27,746	123	7,196
Highway.....	6,349	38,930	3,665	400	1,820			30	2,950		276,902
Bridge and culvert.....	3,420	21,454	3,337	2,357	1,956			2,040	1,019		1,695
Grading.....	3,069	3,470	16,724	230		80		4,480	120		30,127

See footnotes end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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

CLASSIFICATION OF ESTABLISHMENTS	Water-proofing materials	Hardware, rough and finished	Paints, varnishes, and glass	Roofing and sheet metal	Finished flooring, n. e. s.	Screens, shades, awnings, etc.	Heating and ventilating equipment	Plumbing and gas fitting equipment	Electrical appliances and supplies	Elevators, dumb-walters, etc.	Pipe: Drain tile, vitrified, concrete, etc.
NEW ENGLAND—Continued											
General contractors—Contd.	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Street paving	560	2,013	33								12,467
Sewer, gas, water, conduit	1,219	2,842	4,600	2,000			17,500	17,200			57,574
Dam and reservoir	109	808	771				150	193			10,939
Waterworks	500	2,088	2,036	1,549				200	500		3,140
Dredging, river, harbor, etc.	200	43,448	7,274	5,025	2,070	300		140	1,125		3,225
Railroad	1,101			2,530							100
Foundation	620										785
Central station, light and power plant	7,300	79,400	10,550	5,600	000	1,000	38,273	8,456	1,540,181		18,084
Telephone line and system											200
Subcontractors	61,320	34,298	2,529,104	4,046,104	24,895	50,609	10,706,010	0,033,217	6,361,807	2,477,624	71,014
Carpentering and wood flooring		10,036	3,139	1,090	1,000	1,000	400				
Concreting	26,543	5,579	5,643	54				1,080	2,330		10,553
Electrical		3,743	6,691	3,000			3,230	6,836	6,314,525		
Elevator construction									4,201	2,477,474	
Heating and plumbing	25	2,350	1,048	262,243			10,640,802	8,933,588	40,507		51,252
Heating and piping		2,000	270	80,311			7,847,931	1,602,485	14,592		33,940
Pipe covering							196,066				
Plumbing				116,055			1,450,174	5,740,239	22,455		10,660
Plumbing and heating combined	25	350	778	50,877			080,750	1,034,513	3,750		640
Automatic temperature control							01,087				
Automatic sprinkler systems							112,894	550,348			
Masonry	2,584	1,730	320	989	100			800	54		3,745
Painting and decorating	45		1,595,811	850		40,708					
Glass and glazing			381,923								
Plastering and lathing	1,709	3,109		49						150	3,175
Roofing and sheet-metal work	25,531	4,255	518,595	3,777,829			51,328	01,013			
Roofing	17,652	1,293	16,434	1,605,777			15,310	20,000			
Sheet-metal work	300	2,812	501,271	1,131,007			34,114	71,013			
Roofing and sheet metal combined	7,579	150	800	1,041,045							
Steel erection		400	11,373				1,004				
Stonework	2,100		3,847				1,200				
Marble and tiling	48	2,194			250						2,189
Excavating	2,560								100		700
Ornamental iron		300	659								
Grading	175										
Dredging, river, harbor, etc.		593	55								
Metal work, n. e. s.						14,841					
Flooring, n. e. s.					23,545						

MIDDLE ATLANTIC

All classes of establishments	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
	1,689,828	5,155,038	9,960,751	16,481,627	2,213,715	635,281	242,040,684	247,378,364	30,139,568	22,026,336	4,790,787
Operative builders	18,019	105,558	81,781	67,039	49,444	20,025	111,509	102,881	73,408	10,771	3,372
General contractors	762,972	4,466,950	1,713,881	1,584,836	711,575	183,828	4,492,186	4,728,002	3,635,948	230,279	4,343,333
Building	310,721	3,201,552	1,430,145	1,502,035	603,882	178,514	4,304,927	4,224,352	2,290,830	233,983	316,172
Building not specialized	271,362	2,637,841	1,094,110	1,139,679	517,175	65,305	1,024,301	1,249,596	1,502,601	218,557	250,088
Commercial building only	8,070	107,008	40,200	12,673	11,151	3,105	20,800	16,640	10,787	6,360	570
Manufacturing building only	209	11,016	0,044	106,541			2,355,917	2,566,004	533,470		37,301
Residential building only	30,990	504,187	201,879	243,142	165,556	79,954	303,909	300,112	147,882	9,266	28,213
Highway	50,813	117,010	7,870	3,342	821	100	2,690	13,822	3,254		870,050
Bridge and culvert	17,675	68,014	112,074	3,000	14,194	225		5,707	18,738		30,250
Grading	785	480	691	453	165	3,400		5,590			30,656
Street paving	10,419	44,424	7,264	985	100		1,400	11,653	73,294		301,696
Sewer, gas, water, conduit	20,537	55,793	37,360	7,315	45		2,312	67,387	20,265	109	1,870,236
Dam and reservoir	1,784	21,590	4,262	1,172	270		12	8,146	15,000		29
Waterworks	8,322	30,250	10,063	3,611		502	8,216	254,142	38,085		68,071
Dredging, river, harbor, etc.	16,320	263,584	20,403	22,800	133		38,508	54,768		1,000	132,055
Railroad	24,102	38,247	33,543	3,036	1,400			485	11,286		44,535
Foundation	5,238	30,804	200	1,400					4,150		97
Central station, light and power plant	1,073	31,941	31,660	7,996		1,027	101,926	29,075	903,692		
Air transport work		1,000					10,000				2,500
Refuse disposal plant	1,200	691	416				7,766	998	7,635	1,187	
Subway (other than buildings)	284,060	407,560	10,298	28,222			7,939	56,977	177,167		144,790
Telephone line and system		3,206									426,890
Radio tower, etc.		28,890	732	189	565						
Miscellaneous, n. e. s.									14,713		
Subcontractors	808,837	582,524	8,171,089	14,839,152	1,452,606	331,428	38,045,892	42,547,391	26,430,212	21,779,239	444,092
Carpentering and wood flooring	4,112	191,101	106,303	11,912	56,219	11,935		51,797	8,214	075	400
Concreting	261,878	78,619	60,089	4,336	36			30,868	9,324		10,851
Electrical	211	8,716	1,313	1,000			710,108	22,825	20,031,775	14,750	500
Elevator construction		33,429	13,883	240			52,400		35,453	21,747,180	
Heating and plumbing	2,154	22,302	30,624	1,336,334	2,625	33	36,554,990	42,250,480	247,040	1,450	266,483
Heating and piping		6,197	2,777	894,396		8	25,257,005	2,750,423	105,408		55,526
Pipe covering	1,000		5,000	22,500			1,376,687				
Plumbing	1,151	15,772	21,328	327,981	2,625	25	7,550,377	33,035,172	139,529	500	166,223
Plumbing and heating combined		333	1,510	91,457			1,805,015	2,372,888	2,530	950	74,759
Automatic temperature control							565,006				
Automatic sprinkler systems											
Masonry	13,283	5,852	4,300	401	266		89	4,091,997	473	3,700	7,799
Painting and decorating	6,064	5,599	5,715,001	7,110	2,280	44,437	311		300		

See footnotes end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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

CLASSIFICATION OF ESTABLISHMENTS	Water-proofing materials	Hardware, rough and finished	Paints, varnishes, and glass	Roofing and sheet metal	Finished flooring, n. e. s.	Screens, shades, awnings, etc.	Heating and ventilating equipment	Plumbing and gas fitting equipment	Electrical appliances and supplies	Elevators, dumb-waiters, etc.	Pipe: Drain tile, vitrified, concrete, etc.
MIDDLE ATLANTIC—Continued											
Subcontractors—Continued.	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Glass and glazing.....			1,953,678			723					
Plastering and lathing.....	11,958	4,819	2,108	80,647			645				202
Roofing and sheet-metal work.....	475,202	27,772	72,441	13,279,061	14,581	11,167	701,700	154,999	40,116		1,835
Roofing.....	428,921	16,850	32,220	6,768,578	1,640	88	157,728		7,900		1,835
Sheet-metal work.....	29,614	4,895	31,234	3,701,933		4,566	390,205	4,210	32,000		
Roofing and sheet-metal combined.....	16,757	7,527	8,987	2,810,150	12,941	6,513	147,767	150,780		216	
Steel erection.....	5,520	53,951	134,158	60,141			92	5,700	32,581	225	10,272
Stonework.....	1,490	1,416	3,076	2,816	140			3,372			36
Marble and tiling.....	586	11,930	3,282	8,008	184,149	24	2,505	13,704	1,215		
Wrecking.....		245	250	840							
Excavating.....	176	8,054	220	225				220	1,410		57,628
Ornamental iron.....	652	07,791	12,523	3,500	1,655				300	962	
Highway.....		6,084									6,903
Grading.....											150
Street paving.....											220
Sewer, gas, water, conduit.....			250	300							8,501
Dam and reservoir.....											12,100
Dredging, river, harbor, etc.....		3,430	4,250	13,457					12,904		21,127
Soundproofing.....	1,344	1,800	5,291	18,897	0,024		21,052				
Foundation.....	46	36,609									
Metal work, n. e. s.....	8,571	10,641	5,714	667		293,109		12,826	4,945	10,364	180
Rental of equipment, trucking, etc.....											750
Flooring, n. e. s.....	15,500	2,759	31,086	8,000	1,184,721		2,000				

EAST NORTH CENTRAL

All classes of establishments.....	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
	782,376	4,403,206	9,743,059	16,144,968	2,221,704	815,365	443,183,929	35,008,975	25,846,066	14,748,454	7,013,727
Operative builders.....	18,380	162,260	135,499	04,437	61,070	34,284	140,111	186,602	72,543		42,040
General contractors.....	389,994	3,801,980	1,637,120	1,400,247	938,128	228,818	2,142,173	1,984,151	2,012,754	289,219	6,507,711
Building.....	302,708	3,143,330	1,537,414	1,369,045	908,087	222,787	923,405	1,324,873	1,148,208	271,727	268,644
Building not specialized.....	262,562	2,400,635	1,281,845	903,600	814,343	151,178	579,010	725,849	700,952	151,881	235,825
Commercial building only.....	8,698	173,179	39,812	80,866	4,180	1,783	34,301	13,262	11,041	94,527	532
Manufacturing building only.....	6,104	18,175	7,015	57,152			31,095	60,000	170,924	21,000	1,305
Residential building only.....	25,344	488,341	208,742	237,507	90,164	69,826	278,993	525,762	204,751	4,319	20,922
Highway.....	14,863	152,767	13,523	3,260	3,500	340	757	5,095	3,550		666,033
Bridge and culvert.....	12,079	80,357	50,151	36,104			1,300	3,156	70,355	1,500	10,101
Grading.....	60	770	167				200				22,897
Street paving.....	6,704	57,690	4,144	17,330	4,875	1,275	1,950	129,645	57,093		620,057
Sewer, gas, water, conduit.....	5,980	43,476	3,508	1,132	2,000	26	20,000	266,791	13,029	12,192	4,300,000
Dam and reservoir.....	150	500	325	100	50		100	5,000			94,333
Waterworks.....	470	12,066	1,583	13,799		150	4,942	131,037	37,293		320,323
Dredging, river, harbor, etc.....	1,134	76,883	1,041	706				2,000	14,000		34,401
Levee.....		302									39,014
Railroad.....	30,888	50,682	3,588	3,135	9,916		308,643	2,234	5,247		20,424
Foundation.....	3,076	4,424	343	46				7,122	501		2,447
Central station, light and power plant.....	8,225	178,039	21,342	48,500	9,100	4,240	880,876	117,198	637,869	3,800	23,807
Refuse disposal plant.....	4,207								24,979		
Vehicular subway and tunnel.....				3,030							
Subcontractors.....	373,995	438,960	7,970,431	14,584,282	1,221,900	552,263	40,911,645	32,838,222	23,760,769	14,459,235	463,070
Carpentering and wood flooring.....	19,422	209,203	51,332	6,092	182,319	11,056	590	3,500	900	327	
Concreting.....	110,423	24,115	2,131	32,029	63,892	50		1,500			12,952
Electrical.....	1,206	1,340	2,537	3,754			20,254	185,995	22,729,000		
Elevator construction.....									28,405	14,426,703	
Heating and plumbing.....	838	9,901	8,987	571,647	1,110	1,882	39,668,237	32,347,675	319,270	19,750	324,801
Heating and piping.....		8,191	3,210	400,579	1,110	1,882	32,310,793	3,460,125	179,531		80,538
Pipe covering.....	738	215	1,591	3,244			360,473	2,559	18		1,000
Plumbing.....	100	794	3,907	115,567			4,645,060	21,841,372	132,022	10,750	218,332
Plumbing and heating combined.....		701	273	43,257			1,775,886	2,031,930	7,708		24,941
Automatic temperature control.....							499,427				
Automatic sprinkler systems.....							76,598	5,011,679			
Masonry.....	7,962	35,167	4,659	9,366			4,110	1,650	3,290	3,700	21,037
Painting and decorating.....	8,400		5,280,150	20,029					3,124		
Glass and glazing.....			2,014,140								
Plastering and lathing.....	23,298	10,437	12,853						4		
Roofing and sheet-metal work.....	178,127	54,362	61,782	13,533,201	93,928	244	923,080	40,825	1,000	7,500	84
Roofing.....	136,013	87,837	38,550	7,570,251	15,500		114,473	36,025	1,000		
Sheet-metal work.....	2,101	14,368	22,449	3,506,689		244	533,912	4,000		7,500	84
Roofing and sheet metal combined.....	39,413	2,057	753	2,450,261	78,428		274,695	800			
Steel erection.....		34,678	44,716	201,786			211,160				422
Stonework.....	135										
Marble and tiling.....	1,478	10,213	17,965	7,000	2,615		183				
Excavating.....	300						108	1,200	223,294	1,250	53,050
Ornamental iron.....	1,000	3,435	324						770		
Highway.....											2,000
Bridge and culvert.....	306	525									
Street paving.....		7,292									4,768
Sewer, gas, water, conduit.....								23,677			37,168
Dredging, river, harbor, etc.....		1,014									
Soundproofing.....	7,754	10,000	34,752	103,478	35,038		74,923		2,000		5,810
Foundation.....	1,561	10,136							1,529		
Power plant.....									219,574		
Metal work, n. e. s.....	5,785	1,000	424,530	5,000		534,031		232,200	228,000		
Rental of equipment, trucking, etc.....		938									
Flooring, n. e. s.....			3,573		842,993	5,000					

See footnotes end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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

CLASSIFICATION OF ESTABLISHMENTS	Water-proofing materials	Hardware, rough and finished	Paints, varnishes, and glass	Roofing and sheet metal	Finished flooring, n. e. s.	Screens, shades, awnings, etc.	Heating and ventilating equipment	Plumbing and gas fitting equipment	Electrical appliances and supplies	Elevators, dumb-waiters, etc.	Pipe: Drain tile, vitrified, concrete, etc.
	Dollars 605, 810	Dollars 1, 524, 826	Dollars 1, 687, 653	Dollars 3, 095, 789	Dollars 485, 693	Dollars 170, 141	Dollars 6, 257, 118	Dollars 7, 444, 991	Dollars 6, 728, 650	Dollars 2, 708, 424	Dollars 1, 427, 118
WEST NORTH CENTRAL											
All classes of establishments.....	1, 334	36, 318	27, 702	7, 082	20, 227	0, 734	32, 585	05, 800	37, 163	9, 700	5, 480
Operative builders.....	368, 441	1, 425, 468	620, 034	844, 610	382, 645	87, 164	827, 051	670, 040	2, 121, 495	827, 008	1, 280, 106
General contractors.....	108, 705	1, 167, 498	572, 234	716, 460	373, 115	00, 454	651, 904	469, 223	629, 183	826, 092	37, 850
Building.....	100, 689	993, 426	477, 904	616, 684	330, 787	47, 816	608, 881	385, 169	429, 168	672, 741	20, 850
Building not specialized.....	3, 659	85, 234	27, 312	42, 881	10, 766	3, 887	43, 000	41, 297	40, 128	162, 461	12, 800
Commercial building only.....	150	4, 800	4, 400	5, 875	8, 000				6, 500	1, 500	600
Manufacturing building only.....	2, 207	84, 036	82, 618	51, 020	23, 572	15, 251	40, 107	42, 757	44, 807	200	3, 600
Residential building only.....	15, 108	53, 651	12, 307	12, 533	6, 060	50	1, 150	5, 150	1, 003	448	180, 584
Highway.....	30, 773	49, 299	22, 222	52, 754	1, 800	300		6, 814	53, 100	468	54, 109
Bridge and culvert.....		3, 000									84, 109
Grading.....	7, 291	19, 148	1, 008	10, 511	670	325	631	1, 003	3, 187		26, 553
Street paving.....	574	18, 877	1, 495	511			18, 287	30, 381	31, 382		74, 184
Sewer, gas, water, conduit.....	209	8, 760	1, 413	14, 492			35	350	5, 997		432, 214
Dam and reservoir.....		25, 000	500				400	9, 118	500		58, 884
Waterworks.....		36, 005									393, 000
Dredging, river, harbor, etc.....									728		
Levee.....									2, 738		
Railroad.....	9, 362	23, 448	2, 136	23, 922							10, 547
Foundation.....	60	610									100
Central station, light and power plant.....		18, 115	1, 500		1, 000	20, 000	107, 003	26, 000	1, 208, 030		1, 000
Refuse disposal plant.....											13, 900
Oil and natural gas pipe line.....	108, 350	2, 000	5, 264	13, 327			47, 626	130, 011	104, 948		1, 701
Telephone line and system.....		50									
Subcontractors.....	136, 035	64, 040	1, 239, 777	2, 843, 207	70, 706	82, 243	5, 307, 482	6, 700, 051	4, 569, 002	1, 870, 816	135, 518
Carpentering and wood flooring.....	1, 811	1, 502	2, 220	154	41, 606		5, 160		100		4, 340
Concreting.....	53, 810	16, 957		150					6, 000		
Electrical.....			5, 859				75, 500		4, 341, 388	9, 762	
Elevator construction.....									17, 010	1, 838, 844	
Heating and plumbing.....	1, 206	1, 337	1, 186	70, 886	400		5, 187, 278	6, 002, 267	142, 782	837	104, 731
Heating and piping.....		1, 212	661	39, 043			2, 874, 034	740, 335	24, 169		35, 508
Pipe covering.....	1, 200			3, 753			131, 150				
Plumbing.....	5	125	125	12, 400			1, 292, 786	4, 645, 601	64, 459	537	55, 547
Plumbing and heating combined.....			400	15, 000	400		700, 006	954, 839	54, 174		13, 676
Automatic temperature control.....							128, 402				
Automatic sprinkler systems.....								262, 492			
Painting and decorating.....			764, 017						43, 002		
Glass and glazing.....			408, 353								
Plastering and lathing.....	2, 105	2, 411	27								
Roofing and sheet-metal work.....	73, 023	10, 227	25, 437	2, 761, 365	14, 722		126, 112	35, 463			1, 000
Roofing.....	72, 855	1, 578	20, 752	1, 753, 290	14, 722		39, 800	21, 000			1, 000
Sheet-metal work.....	108	8, 640	3, 150	604, 532			72, 065	14, 463			
Roofing and sheet metal combined.....				403, 534			13, 347				
Steel erection.....		810	5, 293	712							
Marble and tiling.....	1, 827	1, 006	1, 065						20		
Excavating.....		3, 000									22, 333
Ornamental iron.....										13, 673	
Bridge and culvert.....	200	900									3, 108
Power plant.....			173	882							
Metal work, n. e. s.....	2, 000	25, 194	26, 147	0, 148	4, 467	82, 243	3, 432	50, 921	25, 000	8, 000	
Flooring, n. e. s.....	54				15, 571						

SOUTH ATLANTIC

All classes of establishments.....	Dollars 315, 593	Dollars 1, 487, 632	Dollars 1, 923, 675	Dollars 4, 213, 886	Dollars 609, 417	Dollars 160, 578	Dollars 8, 420, 797	Dollars 7, 510, 288	Dollars 0, 238, 813	Dollars 2, 615, 196	Dollars 703, 368
Operative builders.....	8, 068	147, 062	82, 005	32, 391	17, 403	29, 534	40, 385	73, 839	31, 072	12, 242	3, 163
General contractors.....	125, 530	1, 239, 643	647, 661	760, 630	272, 443	31, 210	312, 670	416, 775	349, 066	71, 117	625, 200
Building.....	96, 697	1, 040, 935	616, 456	739, 447	268, 694	79, 590	277, 118	318, 747	166, 958	67, 117	37, 651
Building not specialized.....	79, 650	879, 320	507, 160	644, 984	208, 038	47, 456	198, 932	213, 917	125, 350	66, 662	30, 840
Commercial building only.....	12, 084	39, 804	24, 835	24, 465	8, 275	3, 890	12, 859	11, 163	3, 731	80	540
Residential building only.....	5, 013	121, 811	84, 461	69, 698	52, 381	28, 244	65, 827	93, 067	37, 808	366	6, 253
Highway.....	3, 925	61, 574	0, 890	1, 799	1, 479	400		12, 800	51, 000		242, 852
Bridge and culvert.....	7, 484	62, 187	4, 558	2, 789		420	652	2, 476	14, 811		40, 324
Grading.....		72	250								72, 285
Street paving.....	1, 876	9, 480	2, 518					12, 428	5, 695	4, 000	40, 373
Sewer, gas, water, conduit.....	5, 919	11, 080	2, 900	8, 746	2, 270	800	10, 000	49, 867	969		160, 103
Waterworks.....		2, 380	5, 742	0, 015			25, 000	19, 457	1, 042		2, 462
Dredging, river, harbor, etc.....	1, 042	10, 846	3, 251	954				5, 000			
Railroad.....	8, 515	38, 923	1, 158	480				603			14, 059
Foundation.....		1, 338	240								
Central station, light and power plant.....		300	700	400				1, 000	102, 388		100
Subcontractors.....	182, 005	80, 627	1, 193, 409	3, 420, 865	219, 571	49, 834	8, 067, 742	7, 019, 674	5, 857, 772	2, 531, 837	74, 996
Carpentering and wood flooring.....		2, 490	2, 160								
Concreting.....	2, 790	27, 282	1, 330		871			18	19		9, 623
Electrical.....		17, 000	10, 000	26, 257			5, 000	75, 000	5, 730, 628	6, 000	
Elevator construction.....	750	1, 812			444			400	2, 525, 837		
Heating and plumbing.....		731	10, 863	80, 618		6, 000	7, 907, 914	6, 869, 560	99, 616		30, 114
Heating and piping.....		240	9, 727	32, 373		6, 000	5, 938, 008	1, 493, 146	67, 317		5, 433
Pipe covering.....							15, 000				
Plumbing.....		23	800	31, 991			1, 781, 332	4, 607, 888	21, 428		22, 213
Plumbing and heating combined.....		468	330	15, 754			223, 574	226, 865	10, 871		2, 468
Automatic sprinkler systems.....								481, 661			

See footnotes end of table.

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

CLASSIFICATION OF ESTABLISHMENTS	Water-proofing materials	Hardware, rough and finished	Paints, varnishes, and glass	Roofing and sheet metal	Finished flooring, n. e. s.	Screens, shades, awnings, etc.	Heating and ventilating equipment	Plumbing and gas fitting equipment	Electrical appliances and supplies	Elevators, dumb-waiters, etc.	Pipe: Drain tile, vitrified, concrete, etc.
SOUTH ATLANTIC—Continued											
Subcontractors—Continued.	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Masonry	2,329	9,528	500	200	200	8,792					30,912
Painting and decorating	3,500		807,881								
Glass and glazing			309,264	15,000							
Plastering and lathing	1,631	344	200								
Roofing and sheet-metal work	167,689	2,055	46,533	3,294,700	2,078		148,987	71,372			15
Roofing	166,673	1,200	40,828	2,219,393	2,078		79,441	40,976			16
Sheet-metal work	1,016	855	5,555	629,405			58,102	26,396			
Roofing and sheet metal combined			150	445,842			11,384	4,000			
Steel erection			1,402								
Stonework	1,812	9,337	129	2,260				100	1,002		
Marble and tiling	125	1,383		1,410	25,854		5,799	2,624	25,410		
Excavating	1,039	2,018							200		4,332
Sewer, gas, water, conduit			150	600				1,000	500		
Soundproofing	35	674	23	20			42				
Foundation	305										
Metal work, n. e. s.		5,973	2,719			34,842					
Flooring, n. e. s.			255		190,324						

EAST SOUTH CENTRAL

All classes of establishments	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
	59,499	491,995	1,080,882	2,068,742	162,020	69,241	2,778,810	2,594,908	2,519,361	550,007	726,097
Operative builders	100	3,808	3,170	6,275	1,000	350	5,816	7,425	2,004		2,187
General contractors	42,921	461,116	241,949	419,045	134,134	33,449	1,065,082	213,525	3,210,681	25,132	683,442
Building	40,911	385,901	235,357	394,971	132,634	33,449	813,397	108,991	62,531	20,032	53,456
Building not specialized	35,652	326,303	188,100	318,226	96,227	21,924	259,476	121,597	30,020	20,032	44,083
Commercial building only	4,077	20,700	21,507	20,205	11,740		14,712	8,788	7,150		
Manufacturing building only		500	1,500	9,000			3,600				6,500
Residential building only	1,182	38,308	24,250	47,540	24,667	11,525	35,609	68,626	25,361		2,873
Highway		21,932	190	1,172				658	1,760		183,877
Bridge and culvert	1,510	31,697	3,452	1,000					2,150		16,484
Grading											3,213
Street paving		200	150	1,902				2,976	250		84,812
Sewer, gas, water, conduit		17,571	300					900		100	336,002
Railroad		2,255									3,598
Foundation							685				
Central station, light and power plant	500	1,500	2,500	20,000	1,500		751,000	10,000	3,150,000	5,000	2,000
Subcontractors	16,478	17,578	836,713	1,068,422	26,886	35,442	1,708,912	2,373,953	1,972,580	524,875	39,408
Carpentering and wood flooring			9,455		393	4,285					2,141
Concreting	350	900	100	3,000							3,650
Electrical			1,050				161,710		1,036,802	10,878	
Elevator construction		100	100					29,975	3,897	508,849	
Heating and plumbing		500		54,884			1,359,780	2,338,903	31,887		28,380
Heating and piping				13,546			809,109	379,786			7,659
Plumbing		500		29,338			449,584	1,775,592	20,887		16,556
Plumbing and heating combined				12,000							4,165
Automatic sprinkler systems								9,143			
Masonry	260	1,262	65				165				
Painting and decorating			192,298								
Glass and glazing			554,275								
Plastering and lathing	600		2,040								
Roofing and sheet-metal work	15,259	6,566	56,019	1,528,652	1,500		147,230	4,975			2,500
Roofing	15,184	3,744	53,762	991,178	1,500		81,990	4,975			
Sheet-metal work	75	2,610	1,500	107,800			33,088				2,500
Roofing and sheet metal combined		212	757	339,674			32,152				
Steel erection		1,234	2,837								
Stonework											100
Marble and tiling		340	15,792	72,200	3,757		40,027				
Bridge and culvert		1,059	20								2,697
Soundproofing		619	308	486	6,206						
Metal work, n. e. s.		4,096	1,354	9,200		22,798		100		5,148	
Flooring, n. e. s.					15,025	8,359					

WEST SOUTH CENTRAL

All classes of establishments	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
	121,087	1,083,991	1,031,001	2,917,467	189,001	114,605	2,245,468	5,430,248	4,825,339	2,264,850	871,142
Operative builders	268	22,270	16,199	2,874	17,680	7,131	5,735	30,036	17,553		150
General contractors	82,301	1,050,158	465,667	373,876	162,318	102,001	197,172	377,755	608,992	27,775	796,149
Building	63,778	852,924	438,598	341,549	162,318	99,555	85,297	245,884	117,487	24,275	101,341
Building not specialized	69,648	792,142	367,556	275,711	152,991	75,922	78,388	161,803	94,917	20,056	100,697
Commercial building only	509	11,306	15,513	20,197	1,680	1,171	1,413	16,617	9,358	3,519	
Manufacturing building only	1,050	3,886	500	3,000				3,800	6,500	700	250
Residential building only	890	75,590	55,029	42,641	7,647	22,462	5,496	63,664	6,712		394
Highway	6,686	27,266	2,067	11,265		284		3,568	2,691		69,827
Bridge and culvert	1,807	66,692	14,985	2,040				400	1,674		12,709
Street paving	5,000	8,258	2,075	5,458			13,885	32,952	12,325		215,242

See footnotes end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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

CLASSIFICATION OF ESTABLISHMENTS	Water-proofing materials	Hardware, rough and finished	Paints, varnishes, and glass	Roofing and sheet metal	Finished flooring, n. e. s.	Screens, shades, awnings, etc.	Heating and ventilating equipment	Plumbing and gas fitting equipment	Electrical appliances and supplies	Elevators, dumb-waiters, etc.	Pipe: Drain tile, vitrified, concrete, etc.
WEST SOUTH CENTRAL—Continued											
General contractors—Contd.	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Sewer, gas, water, conduit	3,897	11,003	2,843	3,057	2,182	94,022	42,737	30,373	317,016		
Dam and reservoir		2,424		250			6,000	14,400	15,830		
Waterworks	200	47,200	1,545	4,500			15,864	1,000	44,369		
Dredging, river, harbor, etc.		16,741									
Railroad	450	7,658									1,537
Central station, light and power plant	483	10,192	3,554	5,157				34,318	423,042	3,500	12,690
Oil and natural gas pipe line											5,500
Subcontractors	38,518	11,563	540,135	2,540,707	9,003	5,473	2,042,551	5,022,458	4,193,794	2,237,075	74,823
Carpentering and wood flooring	1,126				6,303	5,173					5,097
Concreting	15,943	2,061	200	3,600			2,500	8,400	3,743,448		
Electrical									348,100	2,237,075	
Elevator construction									107,180		62,120
Heating and plumbing		3,300	2,038	61,189			2,099,727	5,012,063	218,100		287
Heating and piping			300	31,003			709,708	218,100			54,198
Plumbing		3,300	1,532	30,189			1,048,354	4,255,240	85,827		
Plumbing and heating combined			200				230,072	344,081	21,353		7,641
Automatic temperature control							21,593				
Automatic sprinkler systems								194,637			
Painting and decorating	1,000		420,113	40,120							
Glass and glazing											
Plastering and lathing	7,500										
Roofing and sheet-metal work	11,739	2,548	66,158	2,470,918			30,324		66		
Roofing	11,000	2,548	64,180	1,660,010					66		
Sheet metal work	739		1,978	623,517			24,324		66		
Roofing and sheet metal combined				281,385	5,000		6,000				
Steel erection			2,500								
Stonework	292										
Marble and tiling	918	2,856			2,700	300		2,000			2,700
Excavating											4,840
Waterworks											
Metal work, n. e. s.		108									

MOUNTAIN

All classes of establishments	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
	26,361	281,136	496,439	1,047,879	61,332	20,487	1,429,546	1,684,281	1,272,271	73,700	239,135
Operative builders	250	4,696	800	800	780	1,440	1,770		2,200		
General contractors	19,186	269,770	123,905	159,327	60,552	19,047	115,521	195,464	156,124	38,700	222,705
Building	17,386	238,875	105,544	144,083	59,452	17,367	107,433	176,965	81,184	38,700	2,635
Building not specialized	17,078	224,135	93,380	129,133	53,772	14,815	98,533	142,075	67,631	35,700	2,435
Commercial building only	292	4,163	4,229	7,030	200	772		6,140	3,693	3,000	
Residential building only	16	10,577	7,935	7,920	5,480	1,780	8,000	28,750	9,860		200
Highway		16,712	1,045								52,700
Bridge and culvert	1,735	6,627	4,821	5,384	1,000	801		375	1,044		2,513
Grading		1,500	941								8,841
Street paving		2,543	2,641	312	100		3,600	8,789	8,475		57,525
Sewer, gas, water, conduit	65	2,807	188					9,335	151		48,238
Dam and reservoir			150	500							32,354
Dredging, river, harbor, etc.											1,500
Railroad		147									8,981
Central station, light and power plant		565	8,575	9,048		879	4,482		64,370		7,508
Subcontractors	5,925	6,664	371,734	887,752			1,312,240	1,488,817	1,113,947	35,000	10,340
Concreting		1,034									850
Electrical		200					13,265	8,060	1,108,272		
Elevator construction										35,000	
Heating and plumbing	500	100	35,490				1,288,122	1,473,357	7,675		13,625
Heating and piping			9,740				692,329	267,563			2,265
Plumbing	500	100	22,750				448,476	1,154,293	7,675		10,595
Plumbing and heating combined				3,000			44,810	51,501			765
Automatic temperature control							102,498				
Masonry	200	300	197								
Painting and decorating			186,558								
Glass and glazing			183,779								
Plastering and lathing		30									
Roofing and sheet-metal work	5,200	5,000	1,200	852,262			10,862	6,500			115
Roofing	5,200			530,337							
Sheet metal work		5,000	1,200	311,216			10,862	6,500			115
Roofing and sheet metal combined				10,799							
Marble and tiling	25							300			
Excavating											1,250
Street paving											500

See footnotes end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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

CLASSIFICATION OF ESTABLISHMENTS	Water-proofing materials	Hardware, rough and finished	Paints, varnishes, and glass	Roofing and sheet metal	Finished flooring, n. e. s.	Screens, shades, awnings, etc.	Heating and ventilating equipment	Plumbing and gas fitting equipment	Electrical appliances and supplies	Elevators, dumb-waiters, etc.	Pipe: Drain tile, vitrified, concrete, etc.
PACIFIC											
All classes of establishments	Dollars 234,788	Dollars 2,375,879	Dollars 4,358,377	Dollars 4,851,894	Dollars 789,984	Dollars 250,705	Dollars 6,990,212	Dollars 14,534,769	Dollars 11,102,343	Dollars 4,049,291	Dollars 3,977,176
Operative builders.....	916	79,112	33,858	17,053	30,842	22,444	35,335	61,641	79,198	26,000	180
General contractors.....	133,478	2,124,403	544,088	562,434	243,386	116,385	661,302	1,306,259	1,869,582	182,097	3,852,742
Building.....	78,991	1,818,339	483,708	497,922	235,983	115,076	384,282	892,883	411,907	93,717	59,590
Building not specialized.....	44,628	1,442,410	372,878	399,334	181,132	79,375	274,554	585,220	277,586	84,370	48,729
Commercial building only.....	14,482	90,555	24,031	55,647	2,759	3,602	40,089	122,022	68,444	1,900	2,600
Manufacturing building only.....	1,555	3,609	2,500	3,200			4,700	500	5,063		50
Residential building only.....	18,316	281,765	84,299	45,711	52,092	41,099	64,919	185,141	60,814	7,447	8,220
Highway.....	1,273	65,603	5,460	4,650	1,700	1,075	2,558	22,673	3,228	3,200	241,251
Bridge and culvert.....	35,091	72,793	30,882	38,924	10,000	20	255,379	211,111	104,564	85,000	7,381
Grading.....	2,100	21,370	3,477				118	1,033	3,000		47,718
Street paving.....	8,109	68,868	5,832	1,300	552	139	300	51,621	78,225	120	500,344
Sewer, gas, water, conduit.....	30	9,916	1,027	230				52,725	17,408		1,602,000
Dam and reservoir.....	648	19,060	3,141	4,513			18,385	72,273	662		675,761
Waterworks.....	200	2,550	3,370	1,200				250	36,000		21,294
Dredging, river, harbor, etc.....	5,114	80,216	8,812	11,253				150	7,822		583,237
Leves.....		944						300			
Railroad.....		2,435	173	1,434							11,127
Foundation.....		738	536	405	151		300	622	82	60	3,072
Central station, light and power plant.....	962	10,501	1,402	503				528	1,116,504		817
Air transport work.....		450	60			75					187
Telephone line and system.....		622									7,964
Subcontractors.....	100,404	171,974	3,750,531	4,271,557	507,756	111,876	6,293,575	13,166,869	9,153,563	3,838,194	124,253
Carpentering and wood flooring.....	8,900	78,992	58,825	5,619	57,123						8,959
Concrete.....	9,679	11,799	1,568	32,899				6,598	333		29,401
Electrical.....		1,928	14,145	7,366			2,641	12,000	8,702,813	6,582	
Elevator construction.....		6,000	250	600				12,750	3,064,700		
Heating and plumbing.....		16,868	15,387	252,433	1,440		5,695,243	13,010,387	143,080	950	60,426
Heating and piping.....		6,268	8,137	100,837			2,992,064	551,770	23,249	950	24,411
Pipe covering.....				20,278			277,380				
Plumbing.....		10,600	7,150	115,234	1,440		1,852,511	10,747,948	116,700		35,065
Plumbing and heating combined.....			100	7,084			458,872	599,343	3,141		50
Automatic temperature control.....							114,416				
Automatic sprinkler systems.....								1,111,326			
Masonry.....	658	3,415	1,028	1,870			492	2,489			
Painting and decorating.....	2,700		1,743,712	10,248		23,859					
Glass and glazing.....			1,795,496								
Plastering and lathing.....	28,521	2,857	6,248						132		
Roofing and sheet-metal work.....	42,441	14,789	46,339	3,640,294	2,780	25	103,126	129,616	1,569		45
Roofing.....	41,783	9,007	42,966	2,465,326	2,780						
Sheet-metal work.....	658	5,182	3,373	1,847,710		25	103,126	129,616	1,569		45
Roofing and sheet metal combined.....				127,268							
Steel erection.....		6,621	11,046	5,910			468,341	288		748,565	
Stonework.....	1,500		1,000								
Marble and tiling.....	1,302	9,896	56,065	13,773	9,431			1,888	150		
Excavating.....		3,076						3,603			12,803
Ornamental iron.....	2,808	3,061	1,658		68,000				18,167	16,000	
Grading.....									1,500		
Street paving.....		1,500									10,610
Sewer, gas, water, conduit.....											2,000
Dredging, river, harbor, etc.....		6,066	1,183								
Soundproofing.....					163,672		22,264				
Power plant.....		2,550	1,272						273,059		
Metal work, n. e. s.....	1,705	2,549	894	575	2,400	61,430	1,468			797	
Flooring, n. e. s.....	100		715		202,910	26,562					

See footnotes end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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

CLASSIFICATION OF ESTABLISHMENTS	Pipe: Cast iron, sheet and tube steel, etc.	Wire cable, guards, and fencing	Bituminous paving materials	Wood piling and timber	Ready mixed concrete	Machinery	Freight, hauling, or trucking to job	Chemicals and chemical products	Metal products, n. e. s.	Mineral products (nonmetallic) n. e. s.	Sealing materials	Textiles and calking materials	Miscellaneous
UNITED STATES													
All classes of establishments.....	Dollars 33,214,730	Dollars 3,332,061	Dollars 25,202,335	Dollars 5,717,395	Dollars 3,023,370	Dollars 18,766,994	Dollars 4,287,456	Dollars 228,294	Dollars 10,451,862	Dollars 1,447,048	Dollars 838,647	Dollars 354,890	Dollars 17,228,008
Operative builders.....	9,770	2,530	8,077				1,515		13,344	1,412		1,577	148,780
General contractors.....	25,089,348	2,687,183	23,601,108	5,411,827	2,896,487	18,410,061	3,968,953	188,498	4,097,623	1,105,882	282,703	56,635	14,522,432
Building.....	6,619,167	512,038	5,088,109	497,090	1,169,071	7,390,935	314,792	17,969	2,299,784	321,077	6,710	5,692	6,045,130
Building not specialized.....	2,723,687	477,977	4,007,225	497,090	966,528	6,472,340	204,042	17,969	176,147	292,112	6,521	4,797	5,692,287
Commercial building only.....	55,443	10,958	16,083		193,045	320,435	6,197		34,481	5,619	176	225	102,226
Manufacturing building only.....	3,811,780	7,006	414		4,843	598,164	1,428		2,079,625	84	19		23,133
Residential building only.....	128,357	15,497	30,887		4,655		40,525		9,631	23,262		670	227,484
Highway.....	1,258,317	600,176	10,590,221	79,859	345,048		2,230,981	120,856	5,932	32,356	5,617	5,712	1,310,372
Bridges and culvert.....	204,143	290,759	227,530	773,281	36,100		73,277	460	444,726	500	622		863,247
Grading.....	88,460	22,005	186,273	36			740	1,765		6,510	1,080		16,997
Street paving.....	977,317	53,688	11,576,139	13,378	591,891		869,446	40,414	11,125	67,737	3,936	1,084	1,947,621
Sewer, gas, water, conduit.....	3,987,747	46,456	271,628	52,974	224,243		15,000	1,034	55,920		106,000	22,114	670,397
Dam and reservoir.....	131,254	20,030	32,597	87,881			293,961		140,239			700	17,105
Waterworks.....	3,820,083	16,271	49,793	6,081			580,138		37,258		64,782	627	254,813
Dredging, river, harbor, etc.....	194,360	226,890	20,647	2,800,255	10,700		181,764		690,012	120,072		629	180,025
Levee.....	104,922	2,641		14,371			19,104		9,619				
Railroad.....	121,112	127,344	72,290	616,437	147,347		30,868		68,649	460,383	7,324	2,867	321,113
Foundation.....	13,890	1,040	13,716	57,576			3,275		100,146				58,718
Central station, light and power plant.....	3,367,500	671,962	43,074	312,002	198,363	9,414,500	250,995		16,331	55,000	400		2,567,101
Air transport work.....	2,000	24							180				
Refuse disposal plant.....	23,464	215											20,576
Oil and natural gas pipe line.....	3,718,107	7,039				400,020			134,092				11,600
Subway (other than buildings).....	469,129	88,015	6,641		127,432		11,000		24,600	33,117	56,163	10,870	93,007
Vehicular subway and tunnel.....	2,400												7,660
Telephone line and system.....	8,006		2,504	40,000	45,702				50,000				133,000
Miscellaneous, n. e. s.....													
Subcontractors.....	8,115,611	642,948	1,593,150	305,508	127,383	356,933	316,088	30,799	15,340,085	330,754	85,044	203,678	2,557,616
Carpentering and wood flooring.....	649		36,093						28,100		100		57,087
Concreting.....	35,500	8,185	108,699		57,716		6,282	13,006		3,826	701		138,277
Electrical.....	904,897	277,870	249	70,000			32,450						16,708
Elevator construction.....	7,583	28,617					34,493						41,637
Heating and plumbing.....	4,878,699	10,527	14,200	5,000			5,850		12,664	0,800	2,101	120,245	184,357
Heating and piping.....	2,097,226	3,400	400	5,000			197,341		11,277	0,800	1,041		86,390
Pipe covering.....		1,200	500				1,542		887				471
Plumbing.....	1,020,754	5,627	13,260			23,000	2,002				250	125,000	50,104
Plumbing and heating combined.....	599,782		50				57		500		900		45,895
Automatic sprinkler systems.....	260,937												1,497
Masonry.....	2,317	1,228	17,610		50,644		120,826		4,438	151,624	272		373,166
Painting and decorating.....							43		10,000			2,000	9,840
Glass and glazing.....									130,908	5,880	13,800		3,958
Plastering and lathing.....	220	1,954	470				2,641			24,901	2,569	4,120	244,003
Roofing and sheet-metal work.....	43,724	2,340	489,029			14,680	5,514	140		2,836	3,182	62,666	131,964
Roofing.....	11,092	100	469,397				29,117		11,902	2,836	3,182	62,666	131,964
Sheet-metal work.....	20,847	2,240	1,205			14,680	28,777		4,098	1,086	150	62,450	51,238
Roofing and sheet metal combined.....	11,185		22,327				225		7,372	1,150	3,032	500	30,137
Steel erection.....	280,739	39,715	70,963	20,000	980	11,822	115		432				44,589
Stonework.....	375		1,393				18,500		2,288,300				44,426
Marble and tiling.....	750	1,039	4,799				26,938			500			51,655
Excavating.....	98,740	10,079	12,740		5,407		32,010	4,750	270,662	109,618		2,314	329,399
Ornamental iron.....	55,748	27,466				850			0,255	81,000			10,736
Highway.....	210,620	11,543	479,379										37,364
Bridges and culvert.....	3,800	645	2,133	1,377									2,312
Grading.....		2,837							4,611				17,107
Street paving.....			133,180						14,500				6,697
Sewer, gas, water, conduit.....	29,415												1,000
Dam and reservoir.....	3,200												
Waterworks.....	145,184												
Dredging, river, harbor, etc.....	2,313	5,728		111,220			1,520	900	18,214			1,654	48,565
Soundproofing.....			5,487									91,684	143
Railroad.....					30,000								
Foundation.....	242,526		66,471		12,030		4,587		38,881				168,025
Power plant.....	45,813	47,319											15,000
Metal work, n. e. s.....	1,122,790	104,056		1,500					12,491,284		63,129		45,317
Rental of equipment, trucking, etc.....		1,800							14,444				
Flooring, n. e. s.....			218,931					21,000	6,474			1,169	577,003

NEW ENGLAND

CLASSIFICATION OF ESTABLISHMENTS	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
All classes of establishments.....	2,217,380	330,635	1,597,798	230,920	138,244	2,617,092	286,435	2,113	883,436	75,615	12,863	2,427	821,637
Operative builders.....	400		180						903				1,336
General contractors.....	1,338,312	274,798	1,547,211	211,135	138,244	2,584,692	281,314	1,073	25,381	71,332	11,162	2,312	700,405
Building.....	216,016	47,025	40,472	36,534	88,345	190,982	20,415	204	8,114	8,889	229	99	278,235
Building not specialized.....	198,588	46,335	40,372	36,534	87,753	120,457	17,647	204	7,574	7,377	229	71	245,343
Commercial building only.....	14,200				592	9,525	1,340						7,655
Manufacturing building only.....		300					1,428						5,827
Residential building only.....	3,228	390							540	1,512		28	19,410
Highway.....	55,618	136,728	905,877				166,618	409					74,788
Bridges and culvert.....	8,965	4,043	5,395	5,000			22,885	460	5,736				11,749
Grading.....	5,108	1,339	37,506							2,443	1,080		3,836
Street paving.....	1,132		514,931				31,496					13	30,901
Sewer, gas, water, conduit.....	44,083	1,187	9,098						4,688			2,200	5,709
Dam and reservoir.....		6,776	11,206										2,500
Waterworks.....	56,200					20,910							5,307
Dredging, river, harbor, etc.....	70	1,200	157	162,526		7,000			6,943	5,000			15,712
Foundation.....													11,668
Central station, light and power plant.....	950,520	76,500	22,599	17,075		2,356,800				55,000			280,000

See footnotes end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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

CLASSIFICATION OF ESTABLISHMENTS	Pipe: Cast iron, sheet and tube steel, etc.	Wire cable, guards, and fencing	Bituminous paving materials	Wood piling and timber	Ready mixed concrete	Machinery	Freight, hauling, or trucking to job	Chemicals and chemical products	Metal products, n. e. s.	Mineral products (nonmetallic) n. e. s.	Sealing materials	Textiles and calking materials	Miscellaneous
NEW ENGLAND—Continued													
Subcontractors.....	Dollars 878,008	Dollars 55,837	Dollars 50,407	Dollars 19,785	Dollars 32,400	Dollars 7,121	Dollars 3,840	Dollars 1,040	Dollars 358,055	Dollars 3,320	Dollars 1,701	Dollars 115	Dollars 120,126
Concreting.....	1,292		9,193							1,020			11,968
Electrical.....	36,118	47,050			32,400								11,052
Elevator construction.....		7,000					370						4,165
Heating and plumbing.....	833,023						313						4,165
Heating and piping.....	476,762												
Plumbing.....	79,938						57						
Plumbing and heating combined.....	93,914												
Automatic sprinkler systems.....	182,409									2,300			7,754
Masonry.....	150		10,620				1,373				1,000		1,906
Glass and glazing.....								140					9,018
Plastering and lathing.....	25								544				18,994
Roofing and sheet-metal work.....	4,000	287	15,887										
Roofing.....			11,378										
Sheet-metal work.....	4,000	287	0						544				18,994
Roofing and sheet metal combined.....			4,500										8,600
Steel erection.....													31,245
Stonework.....													7,773
Marble and tiling.....													5,400
Excavating.....	4,000		5,707							1,000			
Ornamental iron.....		1,500	3,000										
Street paving.....				10,785			1,520	900				115	2,101
Dredging, river, harbor, etc.....									350,511				
Metal work, n. e. s.....													

MIDDLE ATLANTIC

All classes of establishments.	Dollars 12,827,072	Dollars 1,294,213	Dollars 5,808,485	Dollars 1,363,260	Dollars 1,282,508	Dollars 8,887,262	Dollars 1,030,016	Dollars 34,381	Dollars 4,572,294	Dollars 926,233	Dollars 113,772	Dollars 47,347	Dollars 6,697,839
Operative builders.....	2,376		3,250				416		5,997			705	14,080
General contractors.....	10,006,566	982,892	5,497,121	1,317,855	1,251,486	8,709,370	955,509	25,050	2,530,310	709,030	100,272	31,361	5,118,165
Building.....	5,524,022	343,406	120,933	161,323	341,763	4,810,500	68,013	3,322	2,174,347	175,691	13	2,582	1,259,911
Building not specialized.....	1,858,365	334,088	117,356	161,323	333,150	4,497,435	64,041	3,322	90,404	172,160		1,074	1,104,788
Commercial building only.....	20,822	879	614			1,020			8,186	3,535	13		8,836
Manufacturing building only.....	3,020,280		221		4,843	313,065			2,073,525				10
Residential building only.....	12,552	8,439	2,742		3,770		2,052		2,172			008	50,271
Highway.....	402,919	213,617	2,302,808	1,750	292,248		394,053	19,570	2,887	29,384	693	1,877	342,271
Bridge and culvert.....	89,745	201,030	37,127	53,982		4,005	8,800		259,530				408,419
Grading.....	16,032	3,894	67,780							2,768			5,505
Street paving.....	130,550	31,593	2,072,030		198,750		115,414	1,768		87,737	1,695	264	300,135
Sewer, gas, water, conduit.....	884,253	13,851	205,798	500	63,109		101,434	500			3,316	5,032	401,020
Dam and reservoir.....	31,144	4,158	10,000	120					8,529				0,106
Waterworks.....	2,178,381	918	22,508			563,428			55,117		37,992		94,908
Dredging, river, harbor, etc.....	117,675	65,908	14,601	873,081		174,754	3,530		4,710			0,009	118,118
Railroad.....	24,687	10,532	32,010	227,099	22,591					400,333	400	2,807	228,213
Foundation.....			9,100				1,005						
Central station, light and power plant.....	130,977		3,073		184,436	3,216,092	250,995						1,727,339
Air transport work.....	2,900												
Refuse disposal plant.....	2,352												
Subway (other than buildings).....	466,129	88,015	6,641		127,432		11,000		24,690	33,117	50,163	10,870	93,067
Telephone line and system.....			2,504		21,097								139,000
Miscellaneous, n. e. s.....													
Subcontractors.....	2,818,130	311,321	309,004	65,395	41,020	97,883	74,091	8,731	2,035,978	157,203	13,500	15,191	564,088
Carpentering and wood flooring.....	249		6,209						14,206				22,294
Concreting.....	10,013	3,927	75,467		15,041	5,282	15,567	8,588		2,306			85,192
Electrical.....	337,520	168,479				42,500							7,609
Elevator construction.....	3,031	13,817				20,088							35,104
Heating and plumbing.....	1,057,333	1,436	1,300			8,341	1,493		1,037		1,150	60	4,006
Heating and piping.....	701,236	950	1,250				1,493		1,037		250	60	21,802
Plumbing.....	715,556	477											
Plumbing and heating combined.....	214,471		50								900		0,206
Automatic sprinkler systems.....	25,770									39,252	272		90,128
Masonry.....	1,787	120	999		7,342		13,936					2,000	7,634
Painting and decorating.....									35,000		8,800		1,000
Glass and glazing.....			20							24,133	1,087	1,520	22,921
Plastering and lathing.....			127,604				2,337		5,530	1,150	1,591	174	14,040
Roofing and sheet-metal work.....	13,220	1,300	117,444				2,497			1,150	1,591	174	4,960
Roofing.....	3,250	100					225		5,104		1,591		4,394
Sheet-metal work.....		1,200											
Roofing and sheet metal combined.....	9,970		10,160				115		432				5,290
Steel erection.....	170,720	8,018	70,655			11,822	18,500		42,027			52	13,800
Stonework.....	36		1,303				13,879					2,231	10,451
Marble and tiling.....			400				3,032	143	156,362	50,362			114,304
Excavating.....	48,801	1,150	5,160		5,407					31,000			5,900
Ornamental iron.....	51,061	25,615	3,352			850							2,312
Highway.....	210,620												
Grading.....		2,587											
Street paving.....			320										5,649
Sewer, gas, water, conduit.....	9,000												1,000
Dam and reservoir.....	3,200												
Waterworks.....	20,047								6,136				
Dredging, river, harbor, etc.....	2,313	3,529		65,395								9,154	
Soundproofing.....			1,200										72,181
Foundation.....	212,247				12,630		4,555						24,831
Metal work, n. e. s.....	60,962	80,000							1,775,674				
Rental of equipment, trucking, etc.....		1,800											
Flooring, n. e. s.....			15,000										18,333

See footnotes end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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

CLASSIFICATION OF ESTABLISHMENTS	Pipe: Cast iron, sheet and tube steel, etc.	Wire cable, guards, and fencing	Bituminous paving materials	Wood piling and timber	Ready mixed concrete	Machinery	Freight, hauling, or trucking to job	Chemicals and chemical products	Metal products, n. e. s.	Mineral products (nonmetallic) n. e. s.	Sealing materials	Textiles and calking materials	Miscellaneous
All classes of establishments.	Dollars 7,523,808	Dollars 404,005	Dollars 6,865,952	Dollars 498,150	Dollars 424,024	Dollars 3,389,642	Dollars 799,899	Dollars 104,542	Dollars 6,605,310	Dollars 250,438	Dollars 175,142	Dollars 151,434	Dollars 6,063,391
Operative builders.....	2,443	2,367	75				800		3,000	449		250	40,019
General contractors.....	4,810,940	310,082	6,131,588	440,576	424,024	3,208,953	692,168	81,224	964,857	179,514	110,588	10,567	4,078,455
Building.....	301,118	73,621	124,579	1,703	230,460	1,845,574	45,024	0,207	53,788	52,232	0,122	2,533	2,825,281
Building not specialized.....	205,765	55,675	92,638	1,703	185,789	1,512,175	45,064	0,207	37,437	51,308	0,122	2,499	2,682,403
Commercial building only.....	823	8,770	11,865		44,707	109,061	560		11,587				32,071
Manufacturing building only.....	177,000	6,308	103			184,338							1,400
Residential building only.....	7,530	2,770	20,085						4,764	84			108,447
Highway.....	186,054	101,203	2,123,107	3,614	4,427		409,844	60,172	2,151	2,710	924	948	172,615
Bridges and culvert.....	27,433	23,976	1,338	27,600		114,280	15,584		144,170	500	622		175,880
Grading.....	7,600	1,900	62,405	36									0,150
Street paving.....	215,109	11,857	3,774,202	724	0,559		98,748	11,751	7,325		2,241	722	907,295
Sewer, gas, water, conduit.....	1,786,759	10,755	2,698	29,881	47,086		33,750	34	11,389		75,810	11,064	111,432
Dam and reservoir.....	3,800	2,337	11,051			181,000						700	
Waterworks.....	592,589	4,753	14,538	6,135		4,800			23,720		17,527		131,200
Dredging, river, harbor, etc.....	27,904	18,604	200	297,928	10,700				549,285	124,072			8,979
Levee.....	104,876			5,603					0,619				
Railroad.....	40,717	15,518	12,500	20,302	124,758				61,343				87,882
Foundation.....	5,058	434	70	55,000					101,612		0,924		43,193
Central station, light and power plant.....	1,102,275	46,034	4,822			1,113,203			440		409		212,208
Refuse disposal plant.....	12,802												14,100
Oil and natural gas pipe line.....	205,315												
Vehicular subway and tunnel.....	2,400												7,650
Subcontractors.....	2,710,416	90,656	734,289	48,574		180,089	106,871	23,318	5,037,303	50,475	64,554	134,617	1,344,017
Carpentering and wood flooring.....	400		27,600						8,002				27,600
Concreting.....		337	8,377						2,009				8,516
Electrical.....	369,442	53,591	240										2,097
Elevator construction.....	2,052												7,583
Heating and plumbing.....	1,206,177	1,458	400	5,000		100,000	3,017		3,449	0,369	275	1,185	83,839
Heating and piping.....	521,310	1,308	400	5,000		100,000	572		2,002	0,369	275		52,089
Pipe covering.....		100					1,289		887				471
Plumbing.....	589,149	50					1,156						7,010
Plumbing and heating combined.....													
Automatic sprinkler systems.....	139,960								500				23,669
Masonry.....	45,758								4,304	11,879			240,005
Painting and decorating.....	410	472					86,147		10,000				908
Glass and glazing.....							43		42,908				992
Plastering and lathing.....	204		460						500	332			175,681
Roofing and sheet-metal work.....	2,417	753	105,385			14,689	2,872		5,822	1,086	818	51,002	77,774
Roofing.....	442		150,908				2,872		4,098	1,086	150	51,002	37,404
Sheet-metal work.....	1,800	753	750			14,689			1,724		608		8,265
Roofing and sheet metal combined.....	175		7,607										32,105
Steel erection.....	20,004	31,697	248						482				
Stonework.....	16						8,051						1,559
Marble and tiling.....		98					3,282		57,907	27,041			84,385
Excavating.....			1,873										
Ornamental iron.....									5,255				29,792
Highway.....		2,000	272,716										
Bridges and culvert.....				180			1,300						15,659
Grading.....		250											
Street paving.....			65,429										
Sewer, gas, water, conduit.....	10,115												
Dredging, river, harbor, etc.....				1,427					12,078				6,170
Soundproofing.....			1,073									82,430	
Foundation.....	30,279			42,017					38,881				21,744
Metal work, n. e. s.....	988,000								5,433,801		63,129		1,520
Rental of equipment, trucking, etc.....									14,444				
Flooring, n. e. s.....			190,489					21,000					557,049

WEST NORTH CENTRAL

All classes of establishments.	Dollars 4,958,977	Dollars 314,075	Dollars 1,085,586	Dollars 1,347,205	Dollars 512,044	Dollars 847,681	Dollars 559,960	Dollars 29,499	Dollars 1,149,733	Dollars 66,626	Dollars 1,448	Dollars 6,317	Dollars 901,760
Operative builders.....	4,000	100	4,000						935			532	10,330
General contractors.....	4,602,691	292,000	1,057,003	1,305,705	448,576	847,681	547,132	26,119	311,261	26,503	899	601	812,046
Building.....	153,864	8,243	14,323	8,594	177,725	347,786	29,772	225	4,646	26,503		273	380,583
Building not specialized.....	151,814	7,303	5,848	8,594	90,579	305,937	26,702	225	4,646	0,017		43	335,363
Commercial building only.....		76	1,200		86,329	41,849	3,060			163		225	22,797
Manufacturing building only.....		800											15,800
Residential building only.....	2,050		7,275		817		10			10,723			7,023
Highway.....	76,423	29,318	350,053		40,642		328,787	20,167	500				165,086
Bridges and culvert.....	19,840	15,619	83,863	220,376			12,796		15,000				152,471
Grading.....		1,876							1,765				
Street paving.....	27,406	2,078	584,595		180,604		150,539	3,962				85	61,008
Sewer, gas, water, conduit.....	223,722	5,421	4,799	1,531	25,000		15,433		19,785		896	243	24,936
Dam and reservoir.....	6,700	6,369		87,761		26,664			135,651				
Water works.....	120,480	6,000	11,000										5,000
Dredging, river, harbor, etc.....		128,805		790,230									7,146
Levee.....	46	1,171											
Railroad.....	18,084	65,836		114,588			805		1,587				840

See footnotes end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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

CLASSIFICATION OF ESTABLISHMENTS	Pipe: Cast iron, sheet and tube steel, etc.	Wire cable, guards, and fencing	Bituminous paving materials	Wood piling and timber	Ready mixed concrete	Machinery	Freight, hauling, or trucking to job	Chemicals and chemical products	Metal products, n. e. s.	Mineral products (nonmetallic) n. e. s.	Sealing materials	Textiles and caking materials	Miscellaneous
WEST NORTH CENTRAL—Continued													
General contractors—Continued.	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Air transport work													
Central station, light and power plant	480,034	14,080		81,958		72,311							9,000
Foundation													6,476
Refuse disposal plant	8,300	215											
Oil and natural gas pipe line	3,467,792	7,039				400,920			134,092				
Telephone line and system					24,605								
Subcontractors	352,286	21,915	33,933	41,500	63,468		12,328	3,371	837,537	40,123	550	5,184	69,474
Carpentering and wood flooring			1,082										
Concreting		3,546	3,977		20,084			2,100					34
Electrical	4,000	500										4,584	500
Elevator construction													26,445
Heating and plumbing	259,162												4,986
Heating and piping	192,057												2,474
Plumbing	53,654												
Plumbing and heating combined	43,451												2,512
Masonry		636			42,393					29,878			
Glass and glazing							1,263		3,000	5,880			
Plastering and lathing		150									550	600	5,918
Roofing and sheet-metal work	2,256		25,740										4,469
Roofing			25,740										2,659
Sheet-metal work	2,256												1,000
Roofing and sheet metal combined													810
Steel erection	940				986								338
Marble and tiling							8,300	1,271	8,276	4,365			14,328
Excavating	12,100	1,438											
Ornamental iron		645											1,602
Bridges and culvert							3,261						1,538
Soundproofing			3,184										
Railroad					30,000								
Foundation					11,500								
Metal work, n. e. s.	73,823	15,000							826,261				9,316

SOUTH ATLANTIC

All classes of establishments.	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
	966,421	73,320	1,847,760	458,525	75,917	5,562	371,363	9,808	146,797	6,703	16,593		1,083,675
Operative builders			272						372				35,969
General contractors	705,308	72,595	1,680,903	451,428	61,523	5,562	345,272	9,606	108,611	3,703	14,827		806,574
Building	36,440	5,941	30,228	10,378	60,267		1,594	2,500	13,237	3,703			200,169
Building not specialized	36,151	5,109	28,463	10,378	58,003		1,594	2,500	13,237	3,264			204,435
Commercial building only	289		1,500		4,264					439			14,676
Residential building only		835	205										10,998
Highway	266,745	18,511	1,226,474	7,538	1,256		300,367	7,106	394				101,899
Bridges and culvert	24,264	13,555	34,397	93,785		5,562	2,977		5,963				22,497
Grading	26,514	1,200					740						1,416
Street paving	44,947		306,303				17,837						81,663
Sewer, gas, water, conduit	185,686	504	8,104				4,122		3,000				50,563
Waterworks	99,473	400									14,176		16,620
Dredging, river, harbor, etc.	3,751	2,804		100,945							651		34,350
Railroad	17,488	29,058	21,382	238,782			17,629						7,580
Foundation									7,534				
Central station, light and power plant			75										289,889
Subcontractors	260,113	5,725	100,525	7,007	14,394		26,091		37,814	3,000	766		151,132
Carpentering and wood flooring													3,121
Concreting	2,600	175	1,200		14,394								13,730
Electrical	35,663	1,000											
Heating and plumbing	212,136	1,100	500				970		8,178		766		8,218
Heating and piping	96,152						970		8,178		766		7,552
Pipe covering		1,100	500										
Plumbing	90,840												686
Plumbing and heating combined	19,444												
Masonry							17,113						3,996
Plastering and lathing													11,406
Roofing and sheet-metal work	9,491		26,514										8,675
Roofing	8,000		26,514										144
Sheet-metal work	1,491												2,250
Roofing and sheet metal combined													6,281
Steel erection									1,100				6,900
Stonework	323						8,008						14,278
Marble and tiling									8,635	3,000			4,700
Excavating		3,000											
Ornamental iron		200											
Highway			132,311										
Bridges and culvert				1,247									
Sewer, gas, water, conduit													1,048
Dredging, river, harbor, etc.		250		5,850									
Foundation													75,000
Metal work, n. e. s.									19,901				

See footnotes end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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

CLASSIFICATION OF ESTABLISHMENTS	Pipe: Cast iron, sheet and tube steel, etc.	Wire cable, guards, and fencing	Bituminous paving materials	Wood piling and timber	Ready mixed concrete	Machinery	Freight, hauling, or trucking to job	Chemicals and chemical products	Metal products, n. e. s.	Mineral products (nonmetallic) n. e. s.	Sealing materials	Textiles and calking materials	Miscellaneous ¹
EAST SOUTH CENTRAL													
All classes of establishments.	Dollars 758,493	Dollars 23,971	Dollars 1,648,816	Dollars 31,376	Dollars 172,141	Dollars 1,605,405	Dollars 169,952	Dollars 12,258	Dollars 105,082	Dollars 2,413	Dollars 500	Dollars 15,938	Dollars 400,276
Operative builders.....													1,650
General contractors.....	654,954	21,971	1,445,167	31,376	172,141	1,600,000	135,323	12,250	36,031	2,413	600	4,587	384,712
Building.....	25,547	3,470	128,207		1,707		3,781		18,831	1,913			206,545
Building not specialized.....	17,547	2,970	128,207		1,707		3,781		18,831	1,913			205,494
Manufacturing building only.....	6,500												
Residential building only.....	1,500	500											1,051
Highway.....	104,614	12,341	1,027,984	270			96,958	12,256				2,887	38,987
Bridge and culvert.....	12,939	3,200	17,140	31,106	36,100		10,229		13,400				17,132
Grading.....	149									500			
Street paving.....	18,353		271,752		134,334		25,355		3,800				46,120
Sewer, gas, water, conduit.....	184,702	2,167	75								500	1,700	20,928
Railroad.....	8,100												
Foundation.....	550	784											
Central station, light and power plant.....	300,000					1,000,000							
Subcontractors.....	103,539	2,000	103,648			5,405	24,629		69,031			11,351	13,914
Concreting.....	100		3,265				1,221						1,153
Electrical.....	30,000												
Elevator construction.....		2,000				5,405							
Heating and plumbing.....	71,127												4,048
Heating and piping.....	32,500												4,048
Plumbing.....	30,807												
Plumbing and heating combined.....	1,820												
Masonry.....									134				4,681
Painting and decorating.....													1,600
Glass and glazing.....									50,000				
Roofing and sheet-metal work.....	1,040		32,383				23,408					11,351	1,599
Roofing.....			32,383				23,408					10,861	1,056
Sheet-metal work.....												500	440
Roofing and sheet metal combined.....	1,040												103
Steel erection.....	522												347
Marble and tiling.....	750								15,654				486
Highway.....			68,000										
Flooring, n. e. s.....									3,243				
WEST SOUTH CENTRAL													
All classes of establishments.	Dollars 1,706,127	Dollars 600,826	Dollars 1,535,235	Dollars 1,119,950	Dollars 17,898	Dollars 327,804	Dollars 451,436	Dollars 28,020	Dollars 3,748,507	Dollars 8,188	Dollars 5,310	Dollars 683	Dollars 898,149
Operative builders.....	101												17,246
General contractors.....	1,364,188	592,425	1,515,200	1,106,000	17,868	327,804	434,473	26,020	95,105	2,372	5,310	563	840,619
Building.....	20,823	11,005	27,393	250,148	17,868		50,079		2,968	2,372	148	63	230,701
Building not specialized.....	20,140	10,340	26,693	250,148	17,800		50,070		2,340	1,237	148	63	228,460
Commercial building only.....	161	355	700										610
Manufacturing building only.....	500												
Residential building only.....	22	400			68								
Highway.....	17,501	54,149	508,345	30,000			372,483	6,555		628	1,185		1,631
Bridges and culvert.....	7,900	20,400	12,056	299,774									191,535
Street paving.....	298,796	139	936,085					19,465					14,600
Sewer, gas, water, conduit.....	422,075	7,129	30,087	21,012		15,000			21,240		1,500	375	296,519
Dam and reservoir.....	8,000												46,945
Waterworks.....	538,413	550	750	546					5,000		3,662	125	8,500
Dredging, river, harbor, etc.....	5,500	109	300	266,170	8,768		2,920						
Railroad.....													2,243
Central station, light and power plant.....		498,863	250	100,578		312,804			15,891				58,576
Oil and natural gas pipeline.....	45,000			40,000					50,000				
Telephone line and system.....													
Subcontractors.....	341,748	8,200	19,069	12,954			10,963		3,653,402	5,816			31,284
Carpentering and wood flooring.....									5,952				2,760
Concreting.....		200	911										
Electrical.....	24,056	8,000											
Heating and plumbing.....	252,688		2,000										70
Heating and piping.....	2,800												70
Plumbing.....	198,044		2,000										
Plumbing and heating combined.....	81,844												
Plastering and lathing.....													991
Roofing and sheet-metal work.....			10,662										
Roofing.....			9,610										
Sheet-metal work.....			446										
Marble and tiling.....							16,931		30,608	5,816			27,463
Excavating.....	15,004												
Waterworks.....	50,000						32						
Foundation.....				12,954									
Metal work, n. e. s.....									3,616,842				
Flooring, n. e. s.....			6,995										

¹ See footnotes end of table.

CONSTRUCTION—UNITED STATES SUMMARY

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

CLASSIFICATION OF ESTABLISHMENTS	Pipe, Cast iron, sheet and tube steel, etc.	Wire cable, guards, and fencing	Bituminous paving materials	Wood piling and timber	Ready mixed concrete	Machinery	Freight, hauling, or trucking to job	Chemicals and chemical products	Metal products, n. e. s.	Mineral products (nonmetallic) n. e. s.	Sealing materials	Textiles and calking materials	Miscellaneous ¹
	Dollars 323, 983	Dollars 28, 966	Dollars 385, 995	Dollars 8, 200	Dollars	Dollars 780, 156	Dollars 11, 856	Dollars	Dollars 8, 034	Dollars 18, 746	Dollars	Dollars	Dollars 184, 638
All classes of establishments.....													
Operative builders.....									1, 280				7, 582
General contractors.....	205, 797	27, 281	338, 955	8, 200		742, 600	11, 856		1, 881				167, 623
Building.....	1, 933	3, 169	960				1, 923		960				110, 569
Building not specialized.....	1, 803	3, 069	960				1, 823		960				110, 959
Commercial building only.....		100											
Residential building only.....							100						
Highway.....	14, 670	16, 392	6, 549	2, 000									11, 003
Bridge and culvert.....		2, 350	15, 360	3, 200					921				4, 724
Grading.....	6, 300	5, 000											
Street paving.....	26, 322		310, 086	3, 000			9, 933						18, 592
Sewer, gas, water, conduit.....	19, 541												9, 446
Dam and reservoir.....	6, 000												
Dredging, river, harbor, etc.....	4, 512		6, 000										
Railroad.....		400											
Central station, light and power plant.....	127, 089					742, 600							
Oil and natural gas pipe line.....													11, 500
Subcontractors.....	118, 166	1, 675	47, 040			17, 550			4, 873	18, 746			19, 433
Concreting.....	15, 181												9, 285
Electrical.....	22, 400					17, 550							8, 406
Heating and plumbing.....	76, 485												8, 406
Heating and piping.....	33, 109												8, 406
Plumbing.....	43, 885												410
Masonry.....										18, 487			
Roofing and sheet-metal work.....			4, 070										
Roofing.....			4, 070										
Steel erection.....	300												1, 332
Marble and tiling.....										280			
Excavating.....		1, 075											
Bridge and culvert.....	3, 800												
Street paving.....			42, 970										
Metal work, n. e. s.....									4, 873				

PACIFIC

CLASSIFICATION OF ESTABLISHMENTS	Dollars 1, 933, 488	Dollars 257, 861	Dollars 4, 616, 729	Dollars 639, 819	Dollars 391, 128	Dollars 349, 399	Dollars 614, 639	Dollars 9, 886	Dollars 2, 732, 679	Dollars 112, 086	Dollars 14, 021	Dollars 130, 864	Dollars 1, 187, 293
	All classes of establishments.....												
Operative builders.....	300	63	300				239		1, 700				10, 942
General contractors.....	1, 400, 583	112, 179	4, 381, 234	529, 656	382, 325	323, 390	565, 906	6, 550	24, 077	51, 015	9, 148	644	913, 033
Building.....	249, 974	16, 156	21, 014	28, 416	250, 900	187, 093	84, 000	2, 451	22, 893	49, 774	193	142	402, 406
Building not specialized.....	233, 851	13, 014	19, 890	28, 416	193, 747	36, 342	46, 320	2, 451	658	48, 240	22	142	365, 042
Commercial building only.....	13, 148	779	704		57, 153		217		14, 708	1, 482	176		14, 681
Manufacturing building only.....	1, 600	200				150, 751			6, 000				30
Residential building only.....	1, 475	2, 163	420				37, 463		1, 527				22, 053
Highway.....	133, 683	17, 947	2, 129, 984	34, 079	7, 075		112, 371	621		262	4, 000		225, 558
Bridge and culvert.....	12, 917	6, 586	20, 861	38, 458									46, 275
Grading.....	26, 747	6, 700	28, 602							799			
Street paving.....	205, 052	7, 528	2, 146, 146	9, 654	21, 745		358, 124	3, 478					204, 598
Sewer, gas, water, conduit.....	236, 876	5, 361	10, 999		88, 988		1, 005						5, 413
Dam and reservoir.....	75, 610	400	340			136, 297							1, 720
Waterworks.....	234, 547	3, 050	997								4, 950	502	9, 681
Dredging, river, harbor, etc.....	35, 048	9, 460	5, 299	379, 300				2, 304		184			
Locks.....	1, 470												
Railroad.....	3, 136		329	15, 006			7, 502		1, 000				14, 405
Foundation.....	8, 282	422	4, 468	1, 586									3, 857
Central station, light and power plant.....	170, 605	36, 475	12, 195	22, 391	13, 917								
Air transport work.....		24								180			
Telephone line and system.....	8, 000												
Subcontractors.....	532, 605	145, 619	134, 195	110, 263	8, 501	23, 000	48, 394	3, 336	2, 706, 902	61, 071	4, 873	130, 220	242, 348
Carpentering and wood flooring.....			1, 172								100		1, 403
Concreting.....	6, 314		6, 309		7, 597								8, 399
Electrical.....	55, 798	9, 250		70, 000			24, 500						2, 159
Elevator construction.....	2, 500	5, 800											
Heating and plumbing.....	220, 568	6, 533	10, 000			23, 000				440		125, 000	35, 521
Heating and piping.....	71, 309	1, 133								440			15, 021
Plumbing.....	137, 381	5, 400	10, 000			23, 000						125, 000	7, 985
Plumbing and heating combined.....	4, 878												10, 418
Automatic sprinkler systems.....	7, 000												1, 497
Masonry.....					904		3, 630			50, 168			16, 522
Glass and glazing.....											4, 000		
Plastering and lathing.....		1, 804					5, 212			328		2, 000	18, 968
Roofing and sheet-metal work.....	11, 300		82, 284								773	429	5, 813
Roofing.....			82, 284									429	5, 019
Sheet-metal work.....	11, 300										773		784
Steel erection.....	81, 353			20, 000					2, 244, 700				20, 000
Stonework.....										500			1, 500
Marble and tiling.....		941	4, 300				456	3, 336	1, 610	9, 645		83	66, 342
Excavating.....	18, 835	2, 816											
Ornamental iron.....	4, 687	151											
Bridge and culvert.....			2, 138										
Street paving.....			21, 461					14, 500					
Sewer, gas, water, conduit.....	10, 300												
Waterworks.....	75, 137												
Dredging, river, harbor, etc.....		1, 949		18, 763									40, 204
Soundproofing.....													143
Power plant.....	45, 813	47, 319											15, 000
Metal work, n. e. s.....		69, 056		1, 500					457, 361				9, 650
Flooring, n. e. s.....			6, 446						3, 231			1, 169	724

¹ See footnote 3 of Table 9 on p. 123.
² See footnote 4 of Table 9 on p. 123.

³ Includes the reported cost of cast forms, beads, etc. For total cost of this item see Table 9.

CONSTRUCTION—UNITED STATES SUMMARY

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	KNOWN CONTRACTING ESTABLISHMENTS				VOLUME OF BUSINESS REPORTED				KNOWN CONTRACTING ESTABLISHMENTS				VOLUME OF BUSINESS REPORTED			
	Total	In-active in 1929	Active in 1929		Number of reporting establishments	Per cent of active	Amount	Average per establishment	Total	In-active in 1929	Active in 1929		Number of reporting establishments	Per cent of active	Amount	Average per establishment
			Number	Per cent							Number	Per cent				
	UNITED STATES								NEW ENGLAND							
Total establishments canvassed.....	116,234	2,435	113,799	97.0	23,881	21.0	\$214,047,768	\$8,988	12,050	217	11,833	98.2	2,240	19.0	\$20,901,374	\$9,334
Type of work unknown.....	5,484	214	5,270	96.1	430	8.2	3,440,944	8,002	312	10	293	93.9	25	8.5	226,443	9,068
Total general and subcontract.	110,750	2,221	108,529	98.0	23,451	21.6	211,208,814	9,000	11,738	198	11,540	98.3	2,224	10.3	20,704,931	9,337
Total general contractors.....	31,640	1,202	30,338	96.5	6,073	20.0	60,832,002	11,005	2,914	78	2,836	97.3	521	18.4	5,800,563	11,145
Building.....	28,460	1,012	27,448	96.4	5,484	20.0	60,104,383	10,971	2,717	71	2,646	97.4	490	18.5	5,385,039	10,991
Highway.....	2,015	100	1,855	92.1	330	17.8	4,005,610	12,320	156	7	149	95.5	10	10.7	205,852	12,866
Bridge and culvert.....	304	0	298	98.0	85	28.5	740,091	8,813	3	0	3	100.0	2	08.7	33,000	16,500
Grading.....	3	0	3	100.0	1	33.3	16,000	16,000	0	0	0	0	0	0	0	0
Street paving.....	88	5	83	94.3	11	13.3	123,878	11,202	0	0	0	0	0	0	0	0
Sewer, gas, water, conduit.....	459	14	445	96.9	117	26.3	1,159,294	9,900	15	15	100.0	0	40.0	74,174	12,362	
Dam and reservoir.....	57	1	56	98.2	17	30.4	211,105	12,418	7	7	100.0	2	28.6	27,019	13,810	
Waterworks.....	17	0	17	100.0	1	5.9	14,271	14,271	2	2	100.0	0	0	0	0	
Dredging, river, harbor, etc.....	55	3	52	94.5	10	19.2	148,391	14,839	4	4	100.0	1	25.0	12,000	12,000	
Levee.....	1	0	1	100.0	0	0	0	0	0	0	0	0	0	0	0	0
Railroad.....	23	0	23	100.0	3	13.0	39,801	13,287	0	0	0	0	0	0	0	0
Foundation.....	50	1	49	98.0	14	28.6	140,118	10,008	10	10	100.0	4	40.0	68,309	17,077	
Central station, light and power plant.....	8	0	8	100.0	0	0	0	0	0	0	0	0	0	0	0	0
Total subcontractors.....	79,210	1,019	78,191	98.7	17,378	22.2	144,374,812	8,307	8,824	120	8,704	98.0	1,703	19.0	14,958,338	8,784
Carpentering and wood flooring.....	8,730	249	8,481	97.1	2,096	24.7	14,176,842	6,704	983	36	947	96.3	204	21.5	1,552,030	7,608
Concreting.....	3,137	53	3,084	98.3	865	28.0	6,309,773	7,295	162	152	100.0	44	28.9	351,948	7,999	
Electrical.....	10,826	139	10,687	98.7	2,032	19.0	17,034,058	8,678	1,516	23	1,488	98.2	268	17.3	2,126,407	8,242
Elevator construction.....	01	0	01	100.0	14	15.4	153,908	10,993	3	3	100.0	0	0	0	0	
Heating and piping.....	2,281	24	2,257	98.9	487	21.6	4,791,455	9,839	244	1	243	99.6	34	14.0	430,379	12,535
Pipe covering.....	30	0	30	100.0	3	10.0	28,000	9,333	0	0	0	0	0	0	0	0
Plumbing and heating combined.....	21,700	211	21,498	99.0	5,008	23.2	47,875,148	9,660	2,507	19	2,578	99.3	538	20.9	5,420,480	10,075
Automatic sprinkler systems.....	4	0	4	100.0	1	25.0	6,000	6,000	0	0	0	0	0	0	0	0
Masonry.....	3,439	80	3,359	97.7	789	23.5	6,298,574	7,980	599	16	588	97.3	106	18.2	826,278	7,795
Painting and decorating.....	14,107	105	14,002	99.3	3,994	22.0	20,139,401	6,960	1,739	12	1,727	99.3	347	20.1	2,694,001	7,476
Glass and glazing.....	735	8	727	98.9	85	11.7	725,778	8,539	82	82	100.0	8	9.2	107,828	13,478	
Plastering and lathing.....	3,244	42	3,202	98.7	782	24.4	5,949,218	7,607	93	1	92	98.9	19	20.7	124,332	6,544
Roofing and sheet metal combined.....	6,240	48	6,192	99.2	1,355	21.9	12,800,312	9,447	505	4	561	99.3	107	19.1	908,130	9,328
Steel erection.....	251	3	248	98.8	36	14.5	447,032	12,418	5	5	100.0	4	80.0	39,945	9,986	
Stonework.....	299	5	294	98.3	58	19.7	648,916	11,188	17	17	100.0	2	11.8	18,954	9,407	
Marble and tiling.....	1,408	13	1,395	99.1	279	20.0	3,144,710	11,271	98	2	96	98.0	16	16.7	178,669	11,187
Wrecking.....	239	5	234	97.9	25	10.7	166,495	6,660	28	1	27	96.4	1	3.7	2,000	2,000
Excavating.....	618	9	609	98.5	131	21.5	1,225,582	9,356	29	29	100.0	7	24.1	94,403	13,486	
Ornamental iron.....	908	1	907	99.9	129	14.2	1,212,174	9,397	69	69	100.0	7	10.1	82,744	11,821	
Bridge and culvert.....	4	0	4	100.0	1	25.0	20,000	20,000	0	0	0	0	0	0	0	0
Street paving.....	15	1	14	93.3	5	35.7	32,434	6,487	0	0	0	0	0	0	0	0
Dredging, river, harbor, etc.....	3	0	3	100.0	0	0	0	0	0	0	0	0	0	0	0	0
Soundproofing.....	14	0	14	100.0	1	7.1	5,000	5,000	0	0	0	0	0	0	0	0
Foundation.....	5	0	5	100.0	2	40.0	8,865	4,428	0	0	0	0	0	0	0	0
Flooring, n. e. s.....	12	0	12	100.0	1	8.3	9,943	9,943	0	0	0	0	0	0	0	0
Miscellaneous.....	801	23	778	97.1	99	12.7	567,195	5,729	5	5	100.0	1	20.0	3,500	3,500	
	MIDDLE ATLANTIC								EAST NORTH CENTRAL							
Total establishments canvassed.....	35,042	604	34,338	98.6	5,919	17.1	\$54,549,741	\$9,216	27,088	574	26,514	97.9	5,648	21.3	\$50,829,777	\$9,000
Type of work unknown.....	1,976	56	1,920	97.2	108	8.8	1,305,711	7,772	1,364	30	1,334	97.8	96	7.2	720,890	7,509
Total general and subcontract.	33,066	448	32,618	98.7	5,761	17.6	53,244,030	9,268	25,724	544	25,180	97.9	5,552	20.0	50,108,887	9,025
Total general contractors.....	8,239	238	8,001	97.1	1,044	13.0	13,041,608	12,492	6,775	238	6,537	96.5	1,307	20.0	13,659,879	10,451
Building.....	7,876	214	7,662	97.3	1,001	13.1	12,448,932	12,436	5,881	195	5,686	96.7	1,096	19.3	11,455,849	10,462
Highway.....	250	19	231	92.4	22	9.5	320,240	14,556	488	35	453	92.8	105	23.2	1,232,294	11,736
Bridge and culvert.....	12	1	11	91.7	4	36.4	27,170	6,792	146	3	143	97.9	38	26.0	323,044	8,501
Grading.....	2	0	2	100.0	0	0	0	0	0	0	0	0	0	0	0	0
Street paving.....	12	2	10	83.3	1	10.0	15,000	15,000	29	29	100.0	3	10.3	33,307	11,102	
Sewer, gas, water, conduit.....	47	1	46	93.6	11	23.9	150,501	13,682	186	5	181	97.3	53	29.3	516,270	9,722
Dam and reservoir.....	6	0	6	100.0	0	0	0	0	22	22	100.0	7	31.8	82,800	11,820	
Waterworks.....	10	0	10	100.0	1	10.0	14,271	14,271	5	5	100.0	2	40.0	8,735	4,368	
Dredging, river, harbor, etc.....	9	1	8	88.9	1	12.5	20,000	20,000	5	5	100.0	0	0	0	0	
Railroad.....	3	0	3	100.0	1	33.3	17,094	17,094	5	5	100.0	3	30.0	8,671	2,867	
Foundation.....	10	0	10	100.0	2	20.0	28,400	14,200	10	10	100.0	0	0	0	0	
Central station, light and power plant.....	2	0	2	100.0	0	0	0	0	3	3	100.0	0	0	0	0	
Total subcontractors.....	24,827	210	24,617	99.2	4,707	19.1	40,202,422	8,562	18,949	306	18,643	98.4	4,245	22.8	36,449,008	8,586
Carpentering and wood flooring.....	2,518	51	2,467	98.0	505	20.5	3,848,992	7,622	2,451	78	2,373	96.8	596	25.1	4,227,802	7,094
Concreting.....	543	8	535	95.5	128	23.9	1,040,864	8,132	903	10	887	98.2	243	27.4	1,832,009	7,542
Electrical.....	2,952	20	2,923	99.0	516	17.7	4,498,804	8,719	2,518	34	2,484	98.7	446	18.0	3,906,494	8,759
Elevator construction.....	44	0	44	100.0	3	6.8	21,286	7,095	15	15	100.0	2	13.3	11,179	5,590	
Heating and piping.....	630	3	627	99.5	148	23.6	1,472,210	9,947	878	15	863	98.3	190	22.0	1,761,343	9,270
Pipe covering.....	3	0	3	100.0	0	0	0	0	19	19	100.0	1	5.3	16,000	16,000	

CONSTRUCTION—UNITED STATES SUMMARY

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	KNOWN CONTRACTING ESTABLISHMENTS				VOLUME OF BUSINESS REPORTED				KNOWN CONTRACTING ESTABLISHMENTS				VOLUME OF BUSINESS REPORTED				
	Total	In-active in 1929	Active in 1929		Number of reporting establishments	Per cent of active	Amount	Average per establishment	Total	In-active in 1929	Active in 1929		Number of reporting establishments	Per cent of active	Amount	Average per establishment	
			Number	Per cent							Number	Per cent					
MIDDLE ATLANTIC—Continued																	
Total subcontractors—Continued.	7,827	59	7,768	99.2	1,061	21.4	\$15,033,962	\$9,051	4,253	68	4,185	98.7	972	23.2	\$10,365,727	\$10,004	
Plumbing and heating combined.....	1,179	19	1,160	98.4	226	19.5	1,894,674	8,384	868	24	844	97.2	239	28.3	2,015,210	8,432	
Masonry.....	5,024	16	5,008	99.7	834	16.7	5,821,020	6,980	3,249	35	3,214	98.9	748	23.3	4,979,268	6,657	
Painting and decorating.....	431	3	428	99.3	42	9.8	317,134	7,551	96	2	94	97.9	13	13.8	138,200	10,631	
Glass and glazing.....	472	5	467	98.9	99	21.2	897,770	9,068	928	16	912	98.3	204	22.4	1,455,210	7,133	
Plastering and lathing.....	1,842	8	1,834	99.6	333	18.2	3,085,794	9,267	1,807	20	1,787	98.9	427	23.9	4,000,077	9,389	
Roofing and sheet metal combined.....	142	1	141	100.0	17	12.0	210,083	12,358	28	1	27	96.4	5	18.5	87,208	17,442	
Steel erection.....	70	1	69	98.6	15	21.7	203,879	13,592	121	2	119	98.3	27	22.7	314,045	11,631	
Stonework.....	501	3	498	99.4	93	18.7	1,068,529	11,382	253	4	249	98.4	45	18.1	680,108	12,891	
Marble and tiling.....	57	1	56	98.2	3	5.4	40,044	13,343	59	1	58	98.2	9	16.4	63,484	7,054	
Wrecking.....	143	4	139	97.2	28	20.1	275,334	9,833	189	1	189	100.0	43	25.4	439,514	9,157	
Excavating.....	410	4	410	100.0	40	12.0	428,837	8,752	116	4	110	100.0	2	10.0	205,413	9,337	
Ornamental iron.....	6	6	6	100.0	2	33.3	18,395	9,197	4	4	4	100.0	3	75.0	14,039	4,630	
Street paving.....	9	9	9	100.0	1	11.1	5,000	5,000	1	1	1	100.0	1	100.0	-----	-----	
Foundation.....	10	10	10	100.0	1	10.0	9,943	9,943	196	196	196	100.0	5	2.6	25,009	5,014	
Flooring, n. e. s.....	14	14	14	100.0	3	21.4	19,868	6,623	-----	-----	-----	-----	-----	-----	-----	-----	
Miscellaneous.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
EAST NORTH CENTRAL—Continued																	
Total establishments canvassed.....	9,469	280	9,189	97.0	2,888	31.4	\$22,771,528	\$7,885	6,708	213	6,495	96.8	1,216	18.7	\$11,628,902	\$9,593	
Type of work unknown.....	463	6	457	98.7	56	12.3	436,952	7,803	434	56	378	87.1	16	4.2	154,701	9,099	
Total general and subcontract.....	9,006	274	8,732	97.0	2,832	32.4	22,334,576	7,886	6,274	157	6,117	97.5	1,200	19.6	11,474,201	9,592	
Total general contractors.....	2,990	172	2,818	94.2	971	34.5	9,440,338	9,722	1,848	90	1,758	95.1	328	18.7	4,167,266	12,674	
Building.....	2,487	132	2,355	94.7	822	34.9	7,878,440	9,584	1,593	73	1,520	95.4	305	20.1	3,841,464	12,656	
Highway.....	355	36	319	89.9	96	30.1	1,111,972	11,583	108	13	95	93.4	15	8.1	204,369	13,624	
Bridge and culvert.....	64	1	63	98.4	25	39.7	211,900	8,476	17	1	16	94.1	1	6.3	21,200	21,200	
Street paving.....	4	4	4	100.0	4	42.0	105,743	7,897	17	1	16	94.1	4	25.0	28,850	7,212	
Sewer, gas, water, conduit.....	64	3	61	94.4	21	41.2	29,652	9,884	9	1	8	88.9	1	12.5	18,219	18,219	
Dam and reservoir.....	7	7	7	100.0	3	42.0	29,652	9,884	1	1	1	100.0	2	20.0	43,174	21,587	
Waterworks.....	3	3	3	100.0	-----	-----	-----	-----	10	-----	10	100.0	-----	-----	-----	-----	
Dredging, river, harbor, etc.....	1	1	1	100.0	1	25.0	18,767	18,767	-----	-----	-----	-----	-----	-----	-----	-----	
Railroad.....	4	4	4	100.0	3	27.3	23,858	7,963	-----	-----	-----	-----	-----	-----	-----	-----	
Foundation.....	11	11	11	100.0	-----	-----	-----	-----	2	-----	2	100.0	-----	-----	-----	-----	
Central station, light and power plant.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
Total subcontractors.....	6,016	102	5,914	98.3	1,861	31.5	12,894,233	6,928	4,426	67	4,359	98.5	872	20.0	7,316,945	8,391	
Carpentering and wood flooring.....	776	24	752	96.9	278	37.0	1,421,614	5,114	317	10	307	96.8	67	21.8	353,963	5,283	
Concreting.....	341	7	334	97.9	126	37.7	740,450	5,877	105	3	102	97.1	20	16.6	120,309	6,015	
Electrical.....	852	15	837	98.2	213	25.4	1,639,769	7,220	663	9	654	98.6	127	10.4	1,172,787	9,234	
Elevator construction.....	8	8	8	100.0	3	37.5	39,015	13,095	3	3	3	100.0	1	33.3	3,000	3,000	
Heating and piping.....	206	1	205	99.5	52	25.4	447,440	8,605	80	1	79	98.8	10	12.7	134,047	13,465	
Pipe covering.....	2	2	2	100.0	-----	-----	-----	-----	3	-----	3	100.0	1	33.3	4,000	4,000	
Plumbing and heating combined.....	1,671	25	1,646	98.5	524	31.8	4,899,785	9,361	1,415	12	1,403	99.2	316	22.5	2,898,580	8,888	
Automatic sprinkler systems.....	1	1	1	100.0	-----	-----	-----	-----	87	4	83	95.4	20	24.1	168,850	8,442	
Masonry.....	221	5	216	97.7	68	31.5	374,489	5,507	974	12	962	98.8	159	16.5	1,099,848	6,917	
Painting and decorating.....	981	11	970	98.0	339	34.0	1,452,029	4,283	15	-----	15	100.0	1	6.7	2,750	2,750	
Glass and glazing.....	24	1	23	95.8	3	13.0	14,000	14,000	137	4	133	97.1	25	18.8	189,511	7,680	
Plastering and lathing.....	340	2	338	99.4	109	32.2	535,771	4,015	-----	-----	-----	-----	-----	-----	-----	-----	
Roofing and sheet metal combined.....	357	5	352	98.6	99	28.1	1,000,968	10,111	342	3	339	99.1	75	22.1	715,600	9,541	
Steel erection.....	11	1	10	100.0	1	9.1	9,000	9,000	9	1	8	88.9	2	25.0	40,431	20,216	
Stonework.....	10	1	9	90.0	1	6.3	13,000	13,000	17	-----	17	100.0	2	11.8	29,140	13,070	
Marble and tiling.....	53	1	52	98.1	18	34.0	180,836	10,380	92	-----	92	100.0	21	22.8	237,286	11,299	
Wrecking.....	18	18	18	100.0	3	16.7	7,000	2,333	10	10	10	100.0	-----	-----	-----	-----	
Excavating.....	73	2	71	97.3	13	18.3	106,470	8,191	20	20	20	100.0	6	30.0	62,843	10,474	
Ornamental iron.....	46	46	46	100.0	9	19.6	97,993	10,888	74	4	74	100.0	9	12.2	98,942	10,994	
Bridge and culvert.....	1	1	1	100.0	-----	-----	-----	-----	2	-----	2	100.0	1	25.0	20,000	20,000	
Street paving.....	3	3	3	100.0	-----	-----	-----	-----	3	3	3	100.0	2	66.7	8,855	4,428	
Dredging, river, harbor, etc.....	15	3	12	80.0	2	16.7	8,600	4,300	54	8	46	85.2	7	15.2	48,933	6,892	
Foundation.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
Miscellaneous.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
EAST SOUTH CENTRAL																	
Total establishments canvassed.....	2,952	58	2,894	98.0	615	21.3	\$5,547,986	\$9,021	4,767	117	4,640	97.5	1,052	22.7	\$10,249,222	\$9,743	
Type of work unknown.....	49	49	49	100.0	2	4.1	8,000	4,000	380	10	370	97.4	21	5.7	231,845	11,040	
Total general and subcontract.....	2,903	58	2,845	98.0	613	21.5	5,539,986	9,037	4,377	107	4,270	97.6	1,031	24.1	10,017,377	9,716	
Total general contractors.....	895	37	858	95.9	172	20.0	2,047,832	11,906	1,520	67	1,453	95.6	337	23.2	4,113,762	12,207	
Building.....	760	23	737	97.0	155	21.0	1,862,744	11,953	1,358	57	1,301	95.8	306	23.5	3,742,677	12,231	
Highway.....	108	12	96	88.9	11	11.5	185,635	14,149	181	9	172	93.1	17	13.9	236,496	13,192	
WEST SOUTH CENTRAL																	
Total establishments canvassed.....	2,952	58	2,894	98.0	615	21.3	\$5,547,986	\$9,021	4,767	117	4,640	97.5	1,052	22.7	\$10,249,222	\$9,743	
Type of work unknown.....	49	49	49	100.0	2	4.1	8,000	4,000	380	10	370	97.4	21	5.7	231,845	11,040	
Total general and subcontract.....	2,903	58	2,845	98.0	613	21.5	5,539,986	9,037	4,377	107	4,270	97.6	1,031	24.1	10,017,377	9,716	
Total general contractors.....	895	37	858	95.9	172	20.0	2,047,832	11,906	1,520	67	1,453	95.6	337	23.2	4,113,762	12,207	
Building.....	760	23	737	97.0	155	21.0	1,862,744	11,953	1,358	57	1,301	95.8	306	23.5	3,742,677	12,231	
Highway.....	108	12	96	88.9	11	11.5	185,635	14,149	181	9	172	93.1	17	13.9	236,496	13,192	

CONSTRUCTION—UNITED STATES SUMMARY

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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	KNOWN CONTRACTING ESTABLISHMENTS				VOLUME OF BUSINESS REPORTED				KNOWN CONTRACTING ESTABLISHMENTS				VOLUME OF BUSINESS REPORTED																		
	Total	In-active in 1929	Active in 1929		Number of reporting establishments	Per cent of active	Amount	Average per establishment	Total	In-active in 1929	Active in 1929		Number of reporting establishments	Per cent of active	Amount	Average per establishment															
			Number	Per cent							Number	Per cent																			
EAST SOUTH CENTRAL—Continued																WEST SOUTH CENTRAL—Continued															
Total general contractors—Con.	13		13	100.0	2	15.4	\$5,387	\$2,004	15		15	100.0	8	53.3	\$71,239	\$8,905															
Bridge and culvert	7		7	100.0	3	14.3	31,060	10,333	1		1	100.0	1	100.0	4,500	4,500															
Street paving	2		2	100.0	1	50.0	3,000	3,000	12	1	11	91.7	5	45.5	58,850	11,770															
Sewer, gas, water, conduit	4	2	2	50.0					1		1	100.0																			
Dredging, river, harbor, etc.	1		1	100.0					1		1	100.0																			
Levee																															
Railroad									1		1	100.0																			
Foundation									1		1	100.0																			
Total subcontractors	2,008	21	1,987	99.0	441	22.2	3,402,154	7,919	2,867	40	2,817	98.0	604	24.6	5,903,615	8,507															
Carpentering and wood flooring	243	3	240	98.8	61	25.4	318,045	5,214	360	17	343	95.3	110	32.1	682,536	6,205															
Concreting	101	3	98	97.0	24	24.5	175,760	7,323	137	3	134	97.8	33	24.0	210,404	6,349															
Electrical	308	2	306	99.3	50	16.5	400,924	9,218	445	2	443	99.6	87	19.6	783,709	9,009															
Elevator construction	3		3	100.0					6		6	100.0	1	16.7	10,447	16,447															
Heating and piping	71	2	69	97.2	12	17.4	140,690	12,240	24		24	100.0	7	29.2	44,500	6,357															
Pipe covering									1		1	100.0																			
Plumbing and heating combined	626	6	620	99.0	146	23.5	1,230,400	8,480	974	6	968	99.4	249	25.7	2,506,222	10,065															
Masonry	79	2	77	97.5	14	18.2	70,800	5,450	68	2	66	97.1	17	25.3	162,141	9,538															
Painting and decorating	149	2	147	98.7	42	28.0	230,065	5,635	348	3	345	99.1	84	24.4	400,124	5,835															
Glass and glazing	9		9	100.0	2	2.2	39,493	10,746	10		10	100.0	1	10.0	11,000	11,000															
Plastering and lathing	95		95	100.0	28	20.5	211,090	7,571	61	2	59	96.7	14	23.7	95,534	6,810															
Roofing and sheet metal combined	104		104	100.0	45	23.2	414,001	0,220	284	2	282	99.3	63	22.3	508,355	8,498															
Steel erection	3		3	100.0					7		7	100.0	2	28.6	20,315	10,168															
Stonework	17	1	16	94.1	1	6.3	22,408	22,408	14		14	100.0	5	35.7	29,695	5,919															
Marble and tiling	33		33	100.0	6	18.2	71,078	11,096	68	1	67	98.5	10	29.0	202,038	12,627															
Wrecking	6		6	100.0	3	50.0	23,000	7,697	15	1	14	93.3	1	7.1	1,500	1,500															
Excavating	22		22	100.0	2	9.1	6,500	3,250	10		10	100.0	1	10.0	13,097	13,097															
Ornamental iron	23		23	100.0	2	8.7	13,499	6,748	17		17	100.0	3	17.7	26,138	8,713															
Street paving									2	1	1	50.0																			
Miscellaneous	28		28	100.0	3	10.7	34,200	11,400	0		0	100.0																			
MOUNTAIN																PACIFIC															
Total establishments canvassed	3,481	163	3,318	95.3	937	28.2	\$7,652,843	\$8,167	14,087	309	14,378	97.0	3,357	23.3	\$30,426,325	\$9,004															
Type of work unknown	161	34	127	78.9	15	11.8	94,500	6,304	345	3	342	99.1	31	9.1	261,782	8,445															
Total general and subcontract	3,320	129	3,191	96.1	922	27.0	7,558,283	8,108	14,342	306	14,036	97.9	3,326	23.7	30,164,543	9,069															
Total general contractors	1,152	63	1,089	94.5	296	28.2	2,847,843	9,619	5,207	219	4,988	95.8	1,097	22.0	11,717,391	10,681															
Building	1,029	51	978	95.0	272	27.8	2,550,762	9,400	4,759	196	4,563	95.9	1,037	22.7	11,001,880	10,609															
Highway	102	12	90	88.2	10	21.1	228,920	12,049	227	17	210	92.5	29	13.8	369,336	12,753															
Bridge and culvert	5		5	100.0					20		20	100.0	5	17.2	56,151	11,230															
Grading	1		1	100.0	1	100.0	10,000	10,000	31	2	29	93.5	3	10.3	40,071	13,357															
Street paving	3		3	100.0					117	3	114	97.4	13	11.4	123,991	9,538															
Sewer, gas, water, conduit	9		9	100.0	3	33.3	38,840	12,047	5		5	100.0	3	60.0	46,000	15,333															
Dam and reservoir	1		1	100.0	1	100.0	6,815	6,815																							
Waterworks	1		1	100.0					21		21	100.0	4	19.0	64,482	16,120															
Dredging, river, harbor, etc.									10		10	100.0	1	10.0	4,000	4,000															
Railroad									8	1	7	87.5	2	28.6	10,980	5,490															
Foundation																															
Central station, light and power plant	1		1	100.0																											
Total subcontractors	2,108	66	2,102	97.0	626	29.8	4,710,940	7,525	9,135	87	9,048	99.0	2,220	24.0	18,447,162	8,276															
Carpentering and wood flooring	239	16	223	93.3	73	32.7	425,134	5,824	843	14	829	98.3	202	24.4	1,346,726	6,667															
Concreting	134	4	130	97.0	35	29.2	220,216	5,795	721	9	712	98.8	209	29.4	1,608,217	7,695															
Electrical	330	8	322	97.6	84	26.1	698,235	8,312	1,244	12	1,232	99.0	251	20.4	2,446,899	9,749															
Elevator construction	3		3	100.0					6		6	100.0	4	66.7	62,381	15,595															
Heating and piping	23		23	100.0	10	43.5	77,180	7,718	125	1	124	99.2	24	19.4	270,757	11,282															
Pipe covering									2		2	100.0	1	50.0	6,000	6,000															
Plumbing and heating combined	537	7	530	98.7	155	29.2	1,502,284	9,692	1,809	10	1,799	99.0	447	25.0	4,098,609	9,169															
Automatic sprinkler systems									3		3	100.0	1	33.3	6,000	6,000															
Masonry	60	5	55	91.7	18	32.7	113,268	6,293	278	3	275	98.9	81	29.5	665,355	8,214															
Painting and decorating	307	6	301	98.0	103	34.2	643,758	6,250	1,396	8	1,388	99.4	438	31.6	2,822,088	6,444															
Glass and glazing	21	2	19	90.5	3	15.8	5,604	3,201	47		47	100.0	12	25.5	79,769	6,647															
Plastering and lathing	106	3	103	97.2	31	30.1	164,166	5,296	1,012	9	1,003	99.1	253	25.2	2,274,934	8,992															
Roofing and sheet metal combined	224	2	222	99.1	59	26.6	545,835	9,243	625	4	621	99.4	147	23.7	1,432,162	9,743															
Steel erection	8		8	100.0	1	12.5	3,000	3,000	38	1	37	97.4	4	10.8	37,050	9,262															
Stonework	19	1	18	94.7	5	27.8	20,825	4,165	8		8	100.0																			
Marble and tiling	21	1	20	95.2	4	20.0	76,720	19,180	289	1	288	99.7	60	20.8	552,225	9,204															
Wrecking	9	1	8	88.9					40		40	100.0	5	12.5	29,467	5,893															
Excavating	17	3	14	82.4	7	50.0	31,425	4,489	115		115	100.0	19	16.5	195,087	10,298															
Ornamental iron	5		5	100.0	2	40.0	15,100	7,550	148	1	147	99.3	26	17.7	243,511	9,366															
Soundproofing									5		5	100.0																			
Foundation									1		1	100.0																			
Flooring, n. e. s.									2		2	100.0																			
Miscellaneous	105	7	98	93.3	33	33.7	158,690	4,809	378	5	373	98.7	45	12.1	269,235	5,983															

CONSTRUCTION—UNITED STATES SUMMARY

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
UNITED STATES											
Total general and subcontractors.....	23,881	4,004	4,182	3,467	2,659	2,716	1,477	1,808	1,312	1,208	958
General contractors.....	6,073	595	771	726	706	799	400	676	441	517	352
Subcontractors.....	17,378	3,308	3,350	2,690	1,903	1,865	993	1,097	848	757	567
Type of contracting unknown.....	430	101	61	61	50	52	24	35	23	24	9
NEW ENGLAND											
Total general and subcontractors.....	2,249	287	387	400	256	286	134	159	120	124	96
General contractors.....	521	55	52	78	62	70	39	55	28	52	30
Subcontractors.....	1,703	227	332	318	190	213	94	103	91	70	66
Type of contracting unknown.....	25	5	3	4	4	3	1	1	1	2	1
MIDDLE ATLANTIC											
Total general and subcontractors.....	5,919	764	1,122	880	704	660	405	454	354	325	251
General contractors.....	1,044	53	123	110	111	148	94	120	102	96	78
Subcontractors.....	4,707	676	972	765	573	498	296	308	241	218	170
Type of contracting unknown.....	168	35	27	16	20	14	15	17	11	11	3
EAST NORTH CENTRAL											
Total general and subcontractors.....	5,648	981	918	829	612	648	361	446	313	313	227
General contractors.....	1,307	112	168	158	141	171	111	153	99	111	86
Subcontractors.....	4,245	846	738	652	460	464	246	285	215	199	140
Type of contracting unknown.....	96	23	12	19	11	13	4	8	2	3	1
WEST NORTH CENTRAL											
Total general and subcontractors.....	2,888	740	495	364	290	327	149	187	125	135	76
General contractors.....	971	139	143	125	116	143	57	99	49	62	38
Subcontractors.....	1,861	582	346	230	171	178	92	85	72	69	36
Type of contracting unknown.....	56	19	6	9	3	6	-----	3	4	4	2
SOUTH ATLANTIC											
Total general and subcontractors.....	1,216	179	219	182	122	130	87	93	68	65	71
General contractors.....	328	22	20	38	34	38	33	42	26	30	36
Subcontractors.....	872	152	100	143	85	90	53	49	42	33	35
Type of contracting unknown.....	16	5	-----	1	3	2	1	2	-----	2	-----
EAST SOUTH CENTRAL											
Total general and subcontractors.....	615	124	97	71	73	70	33	47	40	37	23
General contractors.....	172	16	18	14	26	20	13	16	17	20	12
Subcontractors.....	441	108	78	56	47	50	20	31	23	17	11
Type of contracting unknown.....	2	-----	1	1	-----	-----	-----	-----	-----	-----	-----
WEST SOUTH CENTRAL											
Total general and subcontractors.....	1,052	179	156	128	114	116	70	101	63	77	48
General contractors.....	337	26	36	38	39	40	20	44	22	42	30
Subcontractors.....	694	151	119	89	72	68	50	54	39	34	18
Type of contracting unknown.....	21	2	1	1	3	8	-----	3	2	1	-----
MOUNTAIN											
Total general and subcontractors.....	937	208	190	115	100	105	43	50	37	59	30
General contractors.....	296	51	46	31	41	40	13	21	15	22	16
Subcontractors.....	626	151	140	84	58	63	30	29	22	36	13
Type of contracting unknown.....	15	6	4	-----	1	2	-----	-----	-----	1	1
PACIFIC											
Total general and subcontractors.....	3,357	542	598	498	388	374	195	271	192	163	136
General contractors.....	1,097	121	156	134	136	129	80	117	86	82	56
Subcontractors.....	2,229	415	435	363	247	241	112	153	103	81	79
Type of contracting unknown.....	31	6	7	1	5	4	3	1	3	-----	1