

STONE.¹

INTRODUCTION.

Less than a score of years ago building stone as an article of commerce was limited principally to the better-known varieties of marbles and granites, which had acquired sufficient reputation to justify their shipment to various parts of the country, together with the stone used for the monumental trade. The fact was more generally recognized then than now that stones sufficiently durable for building purposes could be found at almost any place where a building was to be erected. Thus at that time a locality was characterized by a uniform type of buildings, erected with the best stone found in the neighborhood. This local character of the stone industry still exists in the majority of cities in the Old World, but the conditions of the stone trade in the United States have been revolutionized. Twenty years ago the output of building stone which had a market value away from the point of production was small compared with that of 1899, which was valued at \$44,713,660. Within the twenty years combinations among stone producers have followed the lead of other productive industries; close business relations in far distant localities have brought about sharp competition, with consequent improvements in methods of producing, marketing, transporting, and finishing grades of stone formerly used only locally. Well-edited journals devoted to the interests of this trade have been developed, and with the resulting greater knowledge of the conditions of the industry it has become possible to extend this statistical inquiry each year to lower grades of stone, such as crushed rock for concrete work, and even road ballast. In these industries the quarrying, crushing, and transporting, often for long distances, have given means of livelihood to many persons.

The gradual changes which have brought about this prosperous condition of the industry have been traced from year to year in these reports, and in the present volume mention will be made only of such

¹Owing to the severe illness of Dr. William C. Day, the stone report this year is limited to the principal tables of production, and lacks the general reviews of the stone trade which Dr. Day would otherwise have given.—Ed.

developments as have characterized the year 1899 as compared with 1898.

The total production of stone was greater in 1899 than ever before, and the production of each variety was also greater, as the whole mining industry developed with the influence of prosperous times. Each kind of building stone, with the exception of bluestone, shared in this increase, as is shown in the following table, which gives a comparison of the production of 1899 with that of 1898.

VALUE OF STONE PRODUCED IN 1898 AND 1899.

The following table shows the value of the different kinds of stone produced in the United States during the years 1898 and 1899:

Value of different kinds of stone produced in the United States during 1898 and 1899.

Kind.	1898.	1899.
Granite	<i>a</i> \$9,324,406	<i>c</i> \$11,618,339
Marble	3,629,940	4,011,681
Slate	3,723,540	3,962,733
Sandstone	4,724,412	6,362,944
Limestone	16,039,056	18,757,963
Bluestone	<i>b</i> 1,000,000	(<i>d</i>)
Total	38,441,354	44,713,660

a Includes trap rock, valued at \$927,961.

b Estimated.

c Includes trap rock, valued at \$1,275,941.

d Bluestone, valued at \$815,284, is included with sandstone.

The following table shows the value of the various kinds of stone produced in 1899, by States:

Value of various kinds of stone produced in 1899, by States.

State or Territory.	Granite.	Sandstone.	Slate.	Marble.	Limestone.	Total.
Alabama		\$71,675			\$364,636	\$436,311
Arizona		4,168			969	5,128
Arkansas	\$39,479	73,616		\$3,410	71,965	188,461
California	471,665	261,193	\$6,642	6,500	287,295	1,033,295
Colorado	78,261	129,815		16,776	96,456	315,308
Connecticut	516,886	271,623			162,388	950,897
Delaware	1,039,349					1,039,349
Florida					44,002	44,002
Georgia	411,344		7,500	742,554	39,786	1,191,184
Idaho					3,325	3,325
Illinois		16,133			2,065,483	2,081,616
Indiana		35,636			2,173,833	2,209,469
Iowa		24,348			785,576	809,924
Kansas		49,629			379,001	428,630
Kentucky		119,962			178,861	298,823
Louisiana		a 226,503				226,503
Maine	1,321,082		181,766		1,028,375	2,531,223
Maryland	423,823	24,426	93,595	77,000	235,225	834,069
Massachusetts	1,798,294	131,877	800	59,416	168,147	2,138,534
Michigan		329,192			371,210	691,402
Minnesota	159,459	294,615			496,462	950,536
Missouri	151,688	57,662			977,399	1,186,749
Montana	59,950	26,160			113,718	149,828
Nebraska					125,017	125,017
New Hampshire	802,636					802,636
New Jersey	779,822	147,768	1,000		153,925	1,082,515
New Mexico		1,829				1,829
New York	306,711	1,218,053	76,675	338,816	1,545,699	3,485,954
North Carolina	225,544	10,300		(e)		235,844
Ohio		1,775,642			1,793,694	3,569,336
Oklahoma					50,550	50,550
Oregon	3,612	4,153			8,000	15,765
Pennsylvania	385,101	717,063	2,337,022	139,506	3,088,583	6,867,265
Rhode Island	400,128				18,239	418,367
South Carolina	361,034				d 17,650	378,684
South Dakota	91,049	18,325			45,808	155,182
Tennessee			250	384,705	208,097	593,052
Texas	84,945	35,738			100,025	220,708
Utah	4,735	29,091	1,100	2,355	6,381	43,662
Vermont	1,212,967		872,673	2,241,806	282,173	4,609,619
Virginia	223,380	8,000	183,110		255,640	670,130
Washington	42,766	58,395		4,837	139,339	245,337
West Virginia		93,860			58,802	152,662
Wisconsin	270,538	132,901			836,486	1,239,925
Wyoming	2,700	32,583			742	36,025
Total	e 11,618,339	f 6,362,944	3,962,733	4,011,681	18,757,963	44,713,660

a Includes small amounts for Idaho and Nevada.

b Includes small amount for Nevada.

c Included with Tennessee.

d Includes small amount for North Carolina.

e Includes trap rock valued at \$1,275,041.

f Includes bluestone valued at \$815,284.

GRANITE.

The total product in 1899 was valued at \$11,618,339, compared with \$9,324,406 in the previous twelve months. This increase is well distributed over the producing States. Only two, Connecticut and New York, show a decrease. Five new States, Arkansas, Montana, Nevada, Oregon, and Wyoming, come into the list of producers, as is shown in the list below. The prediction made in the last report for increased business in 1899 has been amply verified.

The following table shows the value of the granite output for 1899 as compared with that for 1898, by States:

Value of granite product in 1898 and 1899, by States.

State.	1898.	1899.
Arkansas		\$39,470
California	\$247,429	471,665
Colorado	25,923	78,261
Connecticut	682,768	516,886
Delaware	677,754	1,039,349
Georgia	339,311	411,344
Maine	1,032,621	1,321,082
Maryland	317,258	423,823
Massachusetts	1,650,508	1,798,294
Minnesota	79,309	159,459
Missouri	78,423	151,688
Montana	}	9,950
Nevada		
New Hampshire	683,595	802,636
New Jersey	753,513	779,822
New York	516,847	306,711
North Carolina	79,969	225,544
Oregon		3,012
Pennsylvania	237,780	385,101
Rhode Island	320,242	400,128
South Carolina	169,518	361,034
South Dakota	17,443	91,049
Texas	4,685	84,945
Utah	3,545	4,735
Vermont	1,084,218	1,212,967
Virginia	136,180	223,380
Washington	9,700	42,766
Wisconsin	175,867	270,538
Wyoming		2,700
Total	9,324,406	11,618,339

The following table shows the value of the granite production in 1899, by States and uses:

Value of granite produced in 1899, by States and uses.

State.	Sold in rough.	Dressed for building purposes.	Dressed for monumental work.	Made into paving blocks.	Curbing.	Crushed for roads.	Riprap.	Total.
Arkansas	\$6,100	\$12,270	\$2,800	\$750	\$300	\$15,000	\$2,250	\$39,470
California	45,940	41,678	32,134	41,176	12,000	292,863	5,271	471,665
Colorado	22,850	48,132	1,082	.....	75	95	6,007	78,261
Connecticut	79,720	167,889	82,766	26,526	12,964	130,145	16,876	516,896
Delaware	11,468	1,035	8,252	17,511	3,748	46,495	950,000	1,039,349
Georgia	69,370	185,135	13,227	37,500	68,748	30,564	6,800	411,344
Maine	302,731	637,616	77,350	184,084	94,237	7,860	17,204	1,321,082
Maryland	104,167	137,377	21,518	24,075	27,500	106,636	2,550	423,823
Massachusetts	508,781	533,004	257,830	226,909	88,685	88,414	94,681	1,798,294
Minnesota	10,709	38,913	63,395	1,588	28,835	2,500	4,459	159,459
Missouri	14,800	12,000	2,970	34,213	61,500	25,995	150	151,688
Montana	1,650	6,850	1,200	.....	250	.....	.....	9,950
Nevada .....	.....	.....	.....	.....	.....	.....	.....	.....
New Hampshire ..	180,109	272,368	256,397	54,099	23,437	7,480	8,746	802,636
New Jersey	56,276	48,035	.....	67,793	138	606,780	800	779,822
New York	30,768	23,477	2,460	12,575	447	236,736	248	306,711
North Carolina ..	34,028	60,128	361	40,873	71,414	11,925	6,815	225,544
Oregon	12	.....	.....	3,000	.....	.....	.....	3,012
Pennsylvania	60,692	11,809	1,339	46,290	13,445	250,320	1,006	385,101
Rhode Island	73,866	151,521	145,001	16,147	3,360	4,915	5,318	400,128
South Carolina	13,189	75,750	10,500	8,222	1,500	43,497	208,376	361,034
South Dakota	27,220	21,303	21,500	13,506	.....	5,700	1,820	91,049
Texas	16,222	1,605	35,038	.....	.....	30,580	1,500	84,945
Utah	4,700	.....	.....	35	.....	.....	.....	4,735
Vermont	563,475	125,775	509,358	3,500	7,066	1,931	1,842	1,212,967
Virginia	32,336	10,349	28,812	37,127	8,683	55,666	50,407	223,380
Washington	42,250	350	166	.....	.....	.....	.....	42,766
Wisconsin	26,742	.....	112,521	72,000	16,700	42,500	75	270,538
Wyoming	2,700	.....	.....	.....	.....	.....	.....	2,700
Total	2,351,931	2,625,289	1,687,967	969,499	545,635	2,044,797	1,393,201	11,618,339

The only use for granite which did not present a satisfactory increase for 1899 was granite curbing, which showed a slight decline. The paving-block industry experienced a revival from the depression of 1898, though it did not equal the product of 1897. This is shown in the table below:

Value of granite paving blocks made in 1897, 1898, and 1899, by States.

State.	1897.	1898.	1899.
Arkansas			\$750
California	\$32,264	\$46,103	41,176
Colorado		1,850	
Connecticut	76,760	26,244	26,526
Delaware	7,073	13,171	17,511
Georgia	295,005	92,550	37,500
Maine	172,637	212,109	184,084
Maryland	3,328	33,341	24,075
Massachusetts	243,750	127,483	226,909
Minnesota		10,800	1,588
Missouri	47,646	29,805	34,213
New Hampshire	26,177	47,650	54,099
New Jersey	24,006	77,579	67,793
New York	26,900	6,372	12,575
North Carolina		2,120	40,873
Oregon			3,000
Pennsylvania	11,708	30,245	46,290
Rhode Island	51,646	19,510	16,147
South Carolina	4,643	8,409	8,222
South Dakota	40,030	4,600	13,506
Utah			35
Vermont	16,770	4,446	3,500
Virginia	20,247	14,641	37,127
Washington	1,000	1,200	
Wisconsin	38,827	43,923	72,000
Total	1,140,417	854,151	969,499

The following table gives the value of the granite output, by States, for the years 1890 to 1899:

Value of the granite produced by each State, 1890 to 1899.

State.	1890.	1891.	1892.	1893.
Arkansas	(a)	\$65,000	\$40,000	.....
California	\$1,329,018	1,300,000	1,000,000	\$531,322
Colorado	314,673	300,000	100,000	77,182
Connecticut	1,061,202	1,167,000	700,000	652,459
Delaware	211,194	210,000	250,000	215,964
Georgia	752,481	790,000	700,000	476,387
Idaho .....	.....	.....	.....	.....
Maine	2,225,839	2,200,000	2,300,000	1,274,954
Maryland	447,489	450,000	450,000	260,855
Massachusetts	2,503,503	2,600,000	2,200,000	1,631,204
Minnesota	356,782	.....	360,000	270,296
Missouri	500,642	400,000	325,000	388,803
Montana	(a)	51,000	36,000	1,000
Nevada	(a)	.....	.....	3,000
New Hampshire	727,531	750,000	725,000	442,424
New Jersey	425,673	400,000	400,000	373,147
New York	222,773	225,000	200,000	181,449
North Carolina	146,627	.....	150,000	122,707
Oregon	44,150	3,000	6,000	11,255
Pennsylvania	623,252	575,000	550,000	206,493
Rhode Island	931,216	750,000	600,000	509,799
South Carolina	47,614	50,000	60,000	95,443
South Dakota	304,673	100,000	50,000	27,828
Texas	22,550	75,000	50,000	38,991
Utah	8,700	.....	15,000	590
Vermont	581,870	700,000	675,000	778,459
Virginia	332,548	300,000	300,000	103,703
Washington	(a)	.....	.....	.....
Wisconsin	266,095	406,000	400,000	133,220
Total	14,464,095	13,867,000	12,642,000	8,808,934

a Granite valued at \$76,000 was produced in Arkansas, Montana, Nevada, and Washington together, and this amount is included in the total.

Value of the granite produced by each State, 1890 to 1899—Continued.

State.	1894.	1895.	1896.	1897.	1898.	1899.
Arkansas	\$28,100					\$39,470
California	307,000	\$348,806	\$215,883	\$167,518	\$247,429	471,665
Colorado	49,302	35,000	36,517	44,284	25,923	78,261
Connecticut	504,390	779,361	794,325	616,215	682,768	516,886
Delaware	173,805	73,138	67,775	272,469	677,754	1,039,349
Georgia	511,804	508,481	274,734	436,000	339,311	411,344
Idaho		14,560	3,037	1,900		
Maine	1,551,036	1,400,000	1,195,491	1,115,327	1,032,621	1,321,082
Maryland	308,966	276,020	251,108	247,948	317,258	423,823
Massachusetts	1,995,830	1,918,894	1,656,973	1,736,069	1,650,508	1,798,294
Minnesota	153,936	148,596	155,297	92,412	79,309	159,459
Missouri	98,757	128,987	107,710	97,857	78,423	151,688
Montana	5,800					
Nevada	1,600	3,200	1,250	3,050		9,950
New Hampshire	724,702	480,000	497,966	641,691	683,595	802,636
New Jersey	310,965	151,343	204,323	561,782	753,513	779,822
New York	140,618	68,474	161,167	422,216	516,847	306,711
North Carolina	108,993	75,000	40,017	59,236	79,969	225,544
Oregon	4,993	1,728	2,449	1,125		3,012
Pennsylvania	600,000	300,000	159,317	349,947	237,780	385,101
Rhode Island	1,211,439	968,473	746,277	629,564	320,242	400,128
South Carolina	45,899	22,083	55,320	37,820	169,518	361,034
South Dakota	8,806	33,279	199,977	68,961	17,443	91,049
Texas				3,500	4,685	84,945
Utah			886	3,854	3,545	4,735
Vermont	893,956	1,007,718	895,516	1,074,300	1,084,218	1,212,967
Virginia	123,361	70,426	95,040	88,096	136,180	223,380
Washington				5,800	9,700	42,766
Wisconsin	166,098	80,761	126,639	126,134	175,867	270,538
Wyoming						2,700
Total	10,029,156	8,894,328	7,944,994	8,905,075	9,324,406	11,618,339

The following table shows the value of the trap rock produced in the United States in 1899, by States and uses:

Value of trap rock produced in the United States in 1899, by States and uses.

State.	Sold in rough.	Made into paving blocks.	Crushed for roads or ballast.	Other purposes.	Total.
California		\$3,500	\$44,307	\$4,500	\$52,307
Connecticut		804	109,085	865	110,754
Massachusetts	\$9,000		56,835	400	66,235
New Jersey	4,973	63,918	574,905	5,225	649,021
New York			162,250		162,250
Pennsylvania	10,250	2,000	221,224	1,000	234,474
Total	24,223	70,222	1,168,606	11,990	1,275,041

MARBLE.

The following table shows the value of the output of marble in the United States for the year 1899, by States:

Value of marble product in 1899, by States.

State.	Value.	State.	Value.
Arkansas	\$3, 410	Pennsylvania	\$139, 506
California	6, 500	Tennessee	^a 384, 705
Colorado	10, 776	Utah	2, 355
Georgia	742, 554	Vermont	2, 241, 806
Maryland	77, 000	Washington	4, 837
Massachusetts	59, 416	Total	4, 011, 681
New York	338, 816		

^a Contains a small amount for North Carolina.

The above table shows an increase in the value of the marble output in 1899 over that of the output in 1898 of \$381,741. The increase extends to all the uses to which marble is put. The sale of the rough material, however, falls below that of 1898 by \$49,705.

The following table shows the various uses to which the marble quarried in 1896, 1897, 1898, and 1899 was put:

Distribution and value of output in 1896, 1897, 1898, and 1899 among various uses.

	1896.	1897.	1898.	1899.
Sold by producers in rough state	\$583, 690	\$477, 856	\$690, 240	\$640, 535
Sold for outside building...	1, 036, 163	1, 074, 646	968, 353	1, 176, 208
Ornamental purposes	65, 365	9, 010	23, 904	92, 942
Cemetery work (monuments and tombstones) ..	813, 146	1, 547, 469	1, 613, 742	1, 650, 155
Interior decoration in buildings	329, 804	576, 983	304, 714	389, 040
Other scattering uses	30, 968	184, 620	28, 987	62, 801
Total	2, 859, 136	3, 870, 584	3, 629, 940	4, 011, 681

The following table shows the purposes for which the marble of the various productive States was sold by the quarrymen in 1896, 1897, 1898, and 1899:

Value of the marble product, by uses and States, in 1896, 1897, 1898, and 1899.

State.	Rough.	Building.	Orna- mental.	Cemetery.	Interior.	Other.	Total.
1896.							
California	\$4,000						\$4,000
Georgia	171,644	\$258,886		\$98,200	\$63,650	\$25,000	617,380
Idaho	1,500			4,000			5,500
Iowa	23,460	10,080	\$6,200				39,740
Maryland		109,000			1,000		110,000
Massachusetts	14,763	56,641		8,000	3,000	1,500	83,904
New York	69,072	365,737		41,682	4,471	3,198	484,160
Pennsylvania	3,022	28,500					31,522
Tennessee	190,103				190,000	1,270	381,373
Vermont	106,126	207,319	50,165	661,264	67,683		1,101,557
Total	583,690	1,036,163	65,365	813,146	329,804	30,968	2,859,136
1897.							
California	8,280	2,625	4,960	3,015	27,310	2,500	48,690
Colorado					82,000	17,600	99,600
Georgia	198,198	145,875		137,803	71,200	25,000	588,076
Idaho				4,500	500		5,000
Maryland		130,000					130,000
Massachusetts	1,026	58,608	306	2,300	16,481	1,000	79,721
New York	11,066	274,626		61,631	5,308	2,000	354,631
Pennsylvania		56,000		6,683			62,683
Tennessee	147,679	4,000		15,625	209,025	15,625	441,954
Vermont	111,607	402,912	3,744	1,295,912	115,159	120,896	2,050,229
Total	477,856	1,074,646	9,010	1,547,469	576,983	184,620	3,870,584
1898.							
California	10,800	750	17,100	1,050	10,500		40,200
Georgia	271,723	142,000		147,000	84,700	11,385	656,808
Idaho	100			4,000	100	200	4,400
Maryland		116,000	625		3,900		120,525
Massachusetts	1,210	25,000			12,000		38,210
New York	54,696	193,464	27	74,900	3,031	15,864	342,072
Pennsylvania	75	38,700		560		38	39,373
Tennessee	239,483	11,000			66,331		316,814
Vermont	108,553	441,439	6,152	1,386,142	124,152	1,500	2,067,938
Washington	3,000						3,000
Total	690,240	968,353	23,904	1,613,742	304,714	28,987	3,629,940
1899.							
Arkansas	2,850	210	140	210			3,410
California	6,200			300			6,500
Colorado	10,766						10,766
Georgia	335,535	97,400		194,000	92,350	22,669	742,554
Maryland		75,000	900		1,700		77,600
Massachusetts	565	43,121	2,000	1,100	8,000	4,630	59,416
New York	14,207	185,559	5,708	110,379		22,963	338,816
Pennsylvania	3,531	134,356		840	240	539	139,006
Tennessee	a 126,965	10,000		5,000	230,750	12,000	384,705
Utah	2,355						2,355
Vermont	133,411	630,562	84,107	1,337,726	56,000		2,241,806
Washington	4,150		687				4,837
Total	640,535	1,176,208	92,942	1,650,155	389,040	62,801	4,011,681

a Contains small amount from North Carolina.

The following table gives the production of marble, by States, for the years 1890 to 1899, both inclusive:

Value of marble, by States, from 1890 to 1899.

State.	1890.	1891.	1892.	1893.	1894.
California	\$87,030	\$100,000	\$115,000	\$10,000	\$13,420
Georgia	196,250	275,000	280,000	261,666	724,385
Idaho				4,500	3,000
Maryland	139,816	100,000	105,000	130,000	175,000
Massachusetts			100,000		
New York	354,197	390,000	380,000	206,926	501,585
Pennsylvania		45,000	50,000	27,000	50,000
Tennessee	419,467	400,000	350,000	150,000	231,796
Vermont	2,169,560	2,200,000	2,275,000	1,621,000	1,500,399
Scattering	121,850	100,000	50,000		
Total	3,488,170	3,610,000	3,705,000	2,411,092	3,199,585
State.	1895.	1896.	1897.	1898.	1899.
Arkansas					\$3,410
California	\$22,000	\$4,000	\$48,690	\$40,200	6,500
Colorado			99,600		10,776
Georgia	689,229	617,380	598,076	656,808	742,554
Idaho	2,250	5,500	5,000	4,400	
Iowa	13,750	39,740			
Maryland	145,000	110,000	130,000	120,525	77,000
Massachusetts	2,000	83,904	79,721	38,210	59,416
New York	207,828	484,160	354,631	342,072	338,816
Pennsylvania	59,787	31,522	62,683	39,373	139,506
Tennessee	362,277	381,373	441,954	316,814	^a 384,705
Utah					2,355
Vermont	1,321,598	1,101,557	2,050,229	2,067,938	2,241,806
Washington				3,600	4,837
Total	2,825,719	2,859,136	3,870,584	3,629,940	4,011,681

^a Contains small amount from North Carolina.

A large number of new quarries have been opened in all parts of the country and the outlook for 1900 is exceptionally bright.

SLATE.

CONDITION OF TRADE.

The condition of the slate industry for the entire country in 1899 showed an improvement over 1898. The total number of squares of roofing slate produced increased from 916,239 in 1898 to 1,100,513 in 1899. The value of milled stock, however, dropped from \$594,150 in 1898 to \$507,916 in 1899.

The prediction in the report for 1897 and repeated in 1898, that the export trade would become a permanent and beneficial factor in the slate industry, seems abundantly supported by the increased demand for slate for exportation.

PRODUCTION.

The following table shows the output of roofing and milled slate in 1899:

Value of slate products in 1899, by States.

State.	Roofing slate.		Other purposes than roofing; value.	Total value.
	Squares.	Value.		
California	928	\$6,642	.....	\$6,642
Maine	24,676	121,640	\$60,126	181,766
Maryland	20,196	90,897	2,608	93,595
New York	10,912	69,525	7,150	76,675
Pennsylvania	711,138	2,202,742	334,280	2,537,022
Vermont	277,463	777,971	94,702	872,673
Virginia	52,550	174,950	8,160	183,110
Georgia				
Massachusetts				
New Jersey	2,650	10,450	800	11,250
Tennessee				
Utah				
Total	1,100,513	3,454,817	507,916	3,962,733

The following table shows the average value of roofing slate per square since 1890:

Average annual price per square of roofing slate for the entire country.

1890	\$3.34	1895	\$3.23
1891	3.49	1896	3.36
1892	3.56	1897	3.09
1893	3.55	1898	3.42
1894	3.11	1899	3.15

The following table shows the value of the production of slate, by States, during the years 1890 to 1899, inclusive:

Value of slate, by States, from 1890 to 1899.

State.	1890.			
	Roofing slate.	Value.	Other purposes than roofing; value.	Total value.
	<i>Squares.</i>			
California	3,104	\$18,089	.....	\$18,089
Georgia	3,050	14,850	\$480	15,330
Maine	41,000	201,500	18,000	219,500
Maryland	23,099	105,745	4,263	110,008
New Jersey	2,700	9,675	1,250	10,925
New York	16,767	81,726	44,877	126,603
Pennsylvania	476,038	1,641,003	370,723	2,011,726
Vermont	236,350	506,997	245,016	842,013
Virginia	30,457	113,079	.....	113,079
Other States ^a	3,060	15,240	.....	15,240
Total	835,625	2,797,904	684,609	3,482,513
State.	1891.			
	Roofing slate.	Value.	Other purposes than roofing; value.	Total value.
	<i>Squares.</i>			
Arkansas	120	\$480	.....	\$480
California	4,000	24,000	.....	24,000
Georgia	3,000	13,500	.....	13,500
Maine	50,000	250,000	.....	250,000
Maryland	25,166	123,425	\$2,000	125,425
New Jersey	2,500	10,000	.....	10,000
New York	17,000	136,000	40,000	176,000
Pennsylvania	507,824	1,741,836	401,069	2,142,905
Vermont	247,643	698,350	257,267	955,617
Virginia	36,059	127,819	.....	127,819
Total	893,312	3,125,410	700,336	3,825,746

^a Includes Arkansas, Michigan, and Utah.

Value of slate, by States, from 1890 to 1899—Continued.

State.	1892.			
	Roofing slate.	Value.	Other purposes than roofing; value.	Total value.
	<i>Squares.</i>			
California	3,500	\$21,000	.....	\$21,000
Georgia	2,500	10,625	.....	10,625
Maine	50,000	250,000	.....	250,000
Maryland	24,600	114,000	\$2,500	116,500
New Jersey	3,000	12,000	.....	12,000
New York	20,000	160,000	50,000	210,000
Pennsylvania	550,000	1,925,000	408,000	2,333,000
Vermont	260,000	754,000	260,000	1,014,000
Virginia	40,000	150,000	.....	150,000
Total	953,000	3,396,625	720,500	4,117,125

State.	1893.			
	Roofing slate.	Value.	Other purposes than roofing; value.	Total value.
	<i>Squares.</i>			
Georgia	2,500	\$11,250	.....	\$11,250
Maine	18,184	124,200	\$15,000	139,200
Maryland	7,422	37,884	.....	37,884
New Jersey	900	3,653	.....	3,653
New York	69,640	204,776	206	204,982
Pennsylvania	364,051	1,314,451	157,824	1,472,275
Utah	75	450	400	850
Vermont	132,061	407,538	128,194	535,732
Virginia	27,106	104,847	12,500	117,347
Total	621,939	2,209,049	314,124	2,523,173

Value of slate, by States, from 1890 to 1899—Continued.

State.	1894.			
	Roofing slate.	Value.	Other purposes than roofing; value.	Total value.
	<i>Squares.</i>			
California	900	\$5,850	-----	\$5,850
Georgia	5,000	22,500	-----	22,500
Maine	24,690	123,937	\$22,901	146,838
Maryland	39,460	150,568	2,500	153,068
New Jersey	375	1,050	-----	1,050
New York	7,955	42,092	2,450	44,542
Pennsylvania	411,550	1,380,430	239,728	1,620,158
Vermont	214,337	455,860	202,307	658,167
Virginia	33,955	118,851	19,300	138,151
Total	738,222	2,301,138	489,186	2,790,324
State.	1895.			
	Roofing slate.	Value.	Other purposes than roofing; value.	Total value.
	<i>Squares.</i>			
California	1,500	\$10,500	-----	\$10,500
Georgia	2,500	10,675	-----	10,675
Maine	23,774	118,791	\$21,363	140,154
Maryland	13,188	59,157	1,200	60,357
New Jersey	200	700	-----	700
New York	13,624	90,150	1,725	91,875
Pennsylvania	426,687	1,437,697	210,054	1,647,751
Vermont	221,359	531,482	93,849	625,331
Virginia	27,095	92,357	19,000	111,357
Total	729,927	2,351,509	347,191	2,698,700

MINERAL RESOURCES.

Value of slate, by States, from 1890 to 1899—Continued.

State.	1896.			
	Roofing slate.	Value.	Other purposes than roofing: value.	Total value.
	<i>Squares.</i>			
Georgia	4,597	\$20,388	-----	\$20,388
Maine	23,078	99,831	\$24,255	124,086
Maryland	15,557	70,194	1,948	72,142
Massachusetts	-----	-----	1,200	1,200
New Jersey	200	700	-----	700
New York	16,002	78,612	3,880	82,492
Pennsylvania	431,324	1,391,539	334,779	1,726,318
Tennessee	100	640	780	1,420
Vermont	155,523	509,681	99,915	609,596
Virginia	26,863	92,163	15,700	107,863
Total	673,304	2,263,748	482,457	2,746,205

State.	1897.			
	Roofing slate.	Value.	Other purposes than roofing: value.	Total value.
	<i>Squares.</i>			
California	1,000	\$7,000	-----	\$7,000
Maine	38,367	161,262	\$39,855	201,117
Maryland	11,592	53,049	890	53,939
Minnesota	400	1,000	500	1,500
New Jersey	250	775	-----	775
New York	9,197	52,799	1,000	53,799
Pennsylvania	657,692	2,034,958	330,341	2,365,299
Vermont	244,575	656,114	39,701	695,815
Virginia	38,375	130,495	14,875	145,370
Total	1,001,448	3,097,452	427,162	3,524,614

Value of slate, by States, from 1890 to 1899—Continued.

State.	1898.			
	Roofing slate.	Value.	Other purposes than roofing; value.	Total value.
	<i>Squares.</i>			
California	400	\$2,700	-----	\$2,700
Georgia	3,450	13,125	-----	13,125
Maine	29,834	131,752	\$67,485	199,237
Maryland	18,332	80,786	1,454	82,240
Massachusetts	-----	-----	958	958
Minnesota	100	400	-----	400
New Jersey	200	800	-----	800
New York	7,160	46,744	1,950	48,694
Pennsylvania	571,256	2,097,735	394,021	2,491,756
Vermont	241,762	612,902	119,782	732,684
Virginia	43,745	142,446	8,500	150,946
Total	916,239	3,129,390	594,150	3,723,540

State.	1899.			
	Roofing slate.	Value.	Other purposes than roofing; value.	Total value.
California	928	\$6,642	-----	\$6,642
Maine	24,676	121,640	\$60,126	181,766
Maryland	20,196	90,897	2,698	93,595
New York	10,912	69,525	7,150	76,675
Pennsylvania	711,138	2,202,742	334,280	2,537,022
Vermont	277,463	777,971	94,702	872,673
Virginia	52,550	174,950	8,160	183,110
Georgia	2,650	10,450	800	11,250
Massachusetts				
New Jersey				
Tennessee				
Utah	-----	-----	-----	-----
Total	1,100,513	3,454,817	507,916	3,962,733

EXPORTS.

The following table shows the ports and customs districts from which and to which slate has been exported since 1893:

Exports of slate from United States, showing ports and customs districts from which and to which sent, from 1893 to 1899.

Port and customs district.	1893.	1894.	1895.	1896.	1897.	1898.	1899.
ROOFING SLATE.							
Baltimore, Maryland.....				\$9,860	\$101,581	\$170,916	\$99,083
Bangor, Maine.....		\$445		350			
Boston and Charlestown, Massachusetts.....	\$1,086		\$443	609	1,020	385	40,622
Newport News, Virginia.....					18,170	65,200	42,220
New York, New York.....	36,306	19,684	31,092	242,539	557,099	986,638	968,395
Passamaquoddy, Maine.....			192		130		
Philadelphia, Pennsylvania.....				2,300	94,865	136,916	205,779
Portland and Falmouth, Maine.....					270		
Brazos de Santiago, Texas.....	5						14
Corpus Christi, Texas.....			105	174		1,761	
New Orleans, Louisiana.....		587					
Paso del Norte, Texas.....		621					
Puget Sound, Washington.....						22	67
San Diego, California.....							7
Buffalo Creek, New York.....	13,428	13,696	4,748	5,903	2,378	4,141	6,364
Champlain, New York.....	869	1,809	1,961	1,617	613	3,015	937
Detroit, Michigan.....			65	2,874	2,427	854	129
Huron, Michigan.....	200						
North and South Dakota.....	94	160				137	
Vermont.....	24	133	200	139	1,569		
Total.....	52,012	37,195	38,806	266,385	780,112	1,370,075	1,363,617
Belgium.....							524
France.....				12,000			
Germany.....			25	910	5,830	82,916	65,974
Netherlands.....					2,087	25	520
United Kingdom.....	1,400	4,800	3,000	197,440	695,980	1,213,377	1,188,962
Denmark.....						8,150	25,323
Norway and Sweden.....						270	609
Bermuda.....	1,046	336	1,550	2,312	1,395	157	230
Dominion of Canada:							
Nova Scotia, New Brunswick, etc.....	119	445	406	1,278	730		288
Quebec, Ontario, etc....	14,615	15,838	6,974	10,333	6,977	8,147	7,430
British Columbia.....						22	67
Newfoundland and Labrador.....	32		13				
Central American States:							
Guatemala.....						1,755	
Honduras.....		687					
Mexico.....*	22	621	488	821	150	1,872	330
Miquelon, Langley, etc.....						35	

Exports of slate from United States, showing ports and customs districts from which and to which sent, from 1893 to 1899—Continued.

Port and customs district.	1893.	1894.	1895.	1896.	1897.	1898.	1899.
ROOFING SLATE—continued.							
West Indies:							
British		\$3,863	\$4,419	\$1,159	\$1,860	\$2,356	\$1,400
Haiti		330				26	
Santo Domingo			10				
Cuba		2,643	3,258	90		673	16
Colombia				259	100		
Guianas:							
British		712	792	440	165	600	
Dutch	\$3,145		340		1,640	1,325	2,275
Peru	409						
Uruguay				417		807	760
China						110	
East Indies—British				1,628	810	550	
British Australasia	30,362	7,060	17,303	34,970	60,604	44,642	64,434
Hawaiian Islands				245	166		77
British Africa	866		258	1,883	1,598	2,218	4,335
Portuguese Africa						42	3
Total	52,012	37,195	38,806	206,385	780,112	1,370,975	1,363,617

THE SLATE INDUSTRY IN INDIVIDUAL STATES.

CALIFORNIA.

The value of the slate output in California increased from \$2,700 in 1898 to \$6,642 in 1899. The demand was good, and indications for 1900 are particularly bright.

GEORGIA, MASSACHUSETTS, NEW JERSEY, TENNESSEE, AND UTAH.

Owing to the fact that in the year 1899 there was only one operator in each of the above States, it has been deemed best to lump their output so as to protect the interests of the producers concerned. The value of the combined output was \$11,250. In Georgia the demand was good, but lack of capital prevented very active operations. Massachusetts, New Jersey, and Utah are not regular slate-producing States, and only contribute to the national output from time to time. While Tennessee has not been a large slate producer as yet, it is probable that with proper transportation facilities the State would enter the list of slate-producing States as a regular contributor whose output would materially increase the total figures for the country.

MAINE.

While the general tone of the slate trade in Maine in 1899 was good and prices advanced a little, the total value of the product was slightly below that for 1898. In 1898 the value of the output was \$199,237, while in 1899 it was \$181,766.

MARYLAND.

The value of the output of slate in this State increased from \$82,240 in 1898 to \$93,595 in 1899. The demand was good and the promise for 1900 better. A number of the firms have merged into the Proctor Slate Company.

NEW YORK.

The value of the slate output in this State increased from \$48,694 in 1898 to \$76,675 in 1899. There was a considerable falling off in the demand for red slate, but the sale and output of other kinds of slate were exceptionally good.

PENNSYLVANIA.

Pennsylvania, the largest slate-producing State in the United States, produced slate valued at \$2,537,022 in 1899, or practically the same as in 1898. The export trade is reported as having improved, while the demand for home consumption was not so good as in 1898. The figure for value of milled stock in 1898 was \$394,021; in 1899 it was \$334,280. This falling off of \$59,741 in milled stock can no doubt be attributed to the decrease in the demand for home consumption.

VERMONT.

The value of the output in this State increased from \$732,684 in 1898 to \$872,673 in 1899. The demand was very good, with prices much improved. The prospects for 1900 are excellent.

VIRGINIA.

In spite of the loss of much valuable time from landslides in several of the larger quarries, and the closing down of active production while stripping new quarry space, the value of the output in this State advanced from \$150,946 in 1898 to \$183,110 in 1899. The demand was good and the prospects for 1900 are still better.

SANDSTONE.

Like other kinds of building stone, sandstone showed a remarkable increase in 1899, the value being 35 per cent greater than in 1898. The development was irregular. New York, Ohio, and Pennsylvania showed the greatest gains, while many minor regions and some producers of average size declined slightly.

The following table shows the output of sandstone in the United States for 1899, by States; the output for 1898 is given for comparison.

Value of the sandstone product for 1898 and 1899, by States.

State.	1899.	1898.
Alabama	\$71,675	\$27,882
Arizona	4,168	57,444
Arkansas	73,616	24,825
California	261,193	358,908
Colorado	129,815	89,637
Connecticut	271,623	215,733
Illinois	16,133	13,758
Indiana	35,636	45,342
Iowa	24,348	7,102
Kansas	49,629	19,528
Kentucky	119,982	72,525
Louisiana	^a 226,503	200,500
Maryland	24,426	13,646
Massachusetts	131,877	91,287
Michigan	320,192	222,376
Minnesota	294,615	175,810
Missouri	57,662	48,795
Montana	26,160	3,682
New Jersey	147,768	257,217
New Mexico	1,829	3,500
New York ^b	1,218,053	566,133
North Carolina	10,300	9,100
Ohio	1,775,642	1,494,746
Oregon	4,153	7,864
Pennsylvania ^b	717,053	478,451
South Dakota	18,325	9,000
Texas	35,738	77,190
Utah	29,091	15,752
Virginia	8,000	.....
Washington	58,395	15,575
West Virginia	33,860	14,381
Wisconsin	132,901	80,341
Wyoming	32,583	6,382
Total	6,362,944	4,724,412

^a Includes small amounts for Idaho and Nevada.

^b Includes bluestone.

The following table shows the value of sandstone produced in the United States in 1899, by States and uses:

Value of sandstone product in the United States in 1899, by States and uses.

State.	Sold in rough.	Dressed, for building purposes.	Sold for curbing and flag-stone.	Sold for grind-stones.	Sold for whet-stones.	Sold for fire-brick.	Other purposes.	Total.
Alabama.....	\$17,500	\$39,175	\$15,000					\$71,675
Arizona.....	3,680	488						4,168
Arkansas.....	34,091	13,475	26,050					73,616
California.....	186,216	73,009					\$1,968	261,192
Colorado.....	60,138	25,673	37,229				6,775	129,815
Connecticut.....	175,918	62,839					32,866	271,623
Illinois.....	3,162	10,800	256				1,915	16,133
Indiana.....	24,000	4,150	376		\$7,080			35,606
Iowa.....	4,744	17,904	1,700					24,348
Kansas.....	3,735	1,010	34,069				10,815	49,629
Kentucky.....	45,293	71,629	2,650				500	119,982
Louisiana.....	a 226,503							226,503
Maryland.....	759	23,667						24,426
Massachusetts.....	60,244	70,433					1,200	131,877
Michigan.....	102,447	51,682	109	\$138,115	4,039		23,800	320,192
Minnesota.....	59,181	144,732	88,702				2,000	294,615
Missouri.....	49,368	6,541	1,297	27			429	57,662
Montana.....	19,160					\$7,000		26,160
New Jersey.....	57,978	89,300	400					147,768
New Mexico.....	1,000	18	781					1,829
New York.....	306,168	241,823	376,971	86,324	177,943		28,824	1,218,033
North Carolina.....		10,000	300					10,300
Ohio.....	249,211	434,978	572,111	480,963	3,440		34,939	1,775,642
Oregon.....	4,153							4,153
Pennsylvania b.....	184,464	298,508	102,891	51,927	16,265	156	62,732	717,053
South Dakota.....	14,050	3,425	575				275	18,325
Texas.....	3,338	9,600	21,800				1,000	35,738
Utah.....	3,970	24,341	20				760	29,091
Virginia.....	2,000	6,000						8,000
Washington.....	62,495	12,550	2,550				800	88,395
West Virginia.....	7,040	18,600	600	3,510			4,050	33,800
Wisconsin.....	36,118	83,537	7,165	375			5,706	132,901
Wyoming.....	9,938	15,145					7,500	32,583
Total.....	1,998,032	1,865,272	1,293,602	761,241	208,767	7,156	228,874	6,362,944

a Includes small amounts for Idaho and Nevada.

b Includes bluestone.

The bluestone product in New York and Pennsylvania is included here for want of a better place, and is shown in the following table:

Value of bluestone produced in the United States in 1899, by States.

State.	Value.
New York.....	\$664,484
Pennsylvania.....	150,800
Total.....	815,284

The following table gives the value of the sandstone output, by States, for the years 1890 to 1899:

Value of sandstone from 1890 to 1899, by States.

State.	1890.	1891.	1892.	1893.	1894.
Alabama	\$43,965	\$30,000	\$32,000	\$5,400	\$18,100
Arizona	9,146	1,000	35,000	46,400	-----
Arkansas	25,074	20,000	18,000	3,292	2,365
California	175,598	100,000	50,000	26,314	10,087
Colorado	1,224,098	750,000	550,000	126,077	69,105
Connecticut.....	920,061	750,000	650,000	570,346	322,934
Florida	(a)	-----	-----	-----	-----
Georgia	(a)	-----	2,000	-----	11,300
Idaho	2,490	-----	3,000	2,005	10,529
Illinois	17,896	10,000	7,500	16,859	10,732
Indiana	43,983	90,000	80,000	20,000	22,120
Iowa	80,251	50,000	25,000	18,347	11,639
Kansas	149,289	80,000	70,000	24,761	30,265
Kentucky	117,940	80,000	65,000	18,000	27,868
Maryland	10,605	10,000	5,000	360	3,450
Massachusetts.....	649,097	400,000	400,000	223,348	160,231
Michigan	246,570	275,000	500,000	75,547	34,066
Minnesota	131,979	290,000	175,000	80,296	8,415
Missouri.....	155,557	100,000	125,000	75,701	131,687
Montana	31,648	35,000	35,000	42,300	16,500
Nevada	(a)	-----	-----	-----	-----
New Hampshire	3,750	-----	-----	-----	-----
New Jersey.....	597,309	400,000	350,000	267,514	217,941
New Mexico.....	186,804	50,000	20,000	4,922	300
New York	702,419	500,000	450,000	415,318	450,992
North Carolina.....	12,000	15,000	-----	-----	-----
Ohio	3,046,656	3,200,000	3,300,000	2,201,932	1,777,034
Oregon	8,424	-----	35,000	-----	-----
Pennsylvania	1,609,159	750,000	650,000	622,552	349,787
Rhode Island	(a)	-----	-----	-----	-----
South Dakota.....	93,570	25,000	20,000	36,165	9,000
Tennessee	2,722	-----	-----	-----	-----
Texas	14,651	6,000	48,000	77,675	62,350
Utah	48,306	36,000	40,000	136,462	15,428
Vermont	(a)	-----	-----	-----	-----
Virginia	11,500	40,000	-----	3,830	2,258
Washington	75,936	75,000	75,000	15,000	6,611
West Virginia	140,687	90,000	85,000	46,135	63,865
Wisconsin	183,958	417,000	400,000	92,193	94,888
Wyoming	16,760	25,000	15,000	100	4,000
Total.....	10,816,057	8,700,000	8,315,500	5,295,151	3,955,847

a Sandstone valued at \$26,199 was produced by Rhode Island, Nevada, Vermont, Florida, and Georgia together, and this sum is included in the total.

Value of sandstone from 1890 to 1899, by States—Continued.

State.	1895.	1896.	1897.	1898.	1899.
Alabama	\$31,930	\$48,000	\$3,000	\$27,882	\$71,675
Arizona	20,000	10,000	15,000	57,444	4,168
Arkansas	13,228	1,400	3,161	24,825	73,616
California	11,933	7,267	4,035	358,908	261,193
Colorado	63,237	58,989	60,847	89,637	129,815
Connecticut	397,853	426,029	364,604	215,733	271,623
Georgia		1,250			
Idaho	6,900	16,060			
Illinois	6,558	15,061	14,250	13,758	16,133
Indiana	60,000	32,847	35,561	45,342	35,636
Iowa	5,575	12,351	14,771	7,102	24,348
Kansas	93,394	18,804	20,953	19,528	49,629
Kentucky	25,000		40,000	72,525	119,982
Louisiana			8,000	200,500	^a 226,503
Maryland	16,836	10,713		13,646	24,426
Massachusetts	339,487	304,361	194,684	91,287	131,877
Michigan	159,075	111,321	171,127	222,376	320,192
Minnesota	74,700	202,900	158,057	175,810	294,615
Missouri	100,000	51,144	57,583	48,795	57,662
Montana	31,069	3,250	25,644	3,682	26,160
New Jersey	111,823	126,534	190,976	257,217	147,768
New Mexico	2,700			3,500	1,829
New York	415,644	223,175	544,514	566,133	^b 1,218,053
North Carolina	3,500	13,250	11,500	9,100	10,300
Ohio	1,449,659	1,679,265	1,600,058	1,494,746	1,775,642
Oregon				7,864	4,153
Pennsylvania	500,000	446,926	380,813	478,451	^b 717,053
South Dakota	26,100	37,077		9,000	18,325
Tennessee		4,100			
Texas	97,336	36,000	30,030	77,190	35,738
Utah	5,000	7,860	7,907	15,752	29,091
Virginia					8,000
Washington	14,777	11,090	16,187	15,575	58,395
West Virginia	40,000	24,693	47,288	14,381	33,860
Wisconsin	78,000	65,017	33,620	80,341	132,901
Wyoming	10,000	16,465	11,275	6,382	32,583
Total	4,211,314	4,023,199	4,065,445	4,724,412	6,362,944

^a Includes small amounts for Idaho and Nevada.^b Includes bluestone.

Inspection of this table shows that the output has increased over 1898, for which year the value was \$4,724,412, while for 1899 it was \$6,362,944.

LIMESTONE.

In this industry, as in the other branches of the stone trade, the total increase for the year was eminently satisfactory; and, as in other cases, the greatest increases came from the large producers, while the declines were the exception and were limited to much less important quarries.

The following table shows the production of limestone in the United States in 1899, by States and uses:

Production of limestone in the United States in 1899, by States and uses.

State or Territory.	Building purposes.	Paving and road making.	Riprap.	Made into lime.	Stone sold to lime burners.	Flux.	Other purposes.	Total.
Alabama.....	\$37,230	\$16,021	\$150	\$118,928	\$7,450	\$184,837	.....	\$364,636
Arizona.....	.....	.....	.....	960	.....	.....	.....	960
Arkansas.....	21,230	785	10,850	38,240	800	.....	\$60	71,965
California.....	1,551	9,915	.....	263,406	.....	525	11,898	287,295
Colorado.....	.....	150	.....	33,675	.....	62,431	200	96,456
Connecticut.....	.....	.....	.....	161,945	.....	443	.....	162,388
Florida.....	18,000	17,402	.....	8,600	.....	.....	.....	44,002
Georgia.....	.....	.....	.....	29,786	.....	.....	.....	29,786
Idaho.....	25	.....	.....	3,300	.....	.....	.....	3,325
Illinois.....	1,067,622	561,329	99,976	194,773	9,000	80,810	51,973	2,065,483
Indiana.....	1,406,834	272,969	8,678	273,901	492	184,570	32,369	2,173,831
Iowa.....	312,505	158,917	139,064	102,611	1,505	.....	70,884	785,776
Kansas.....	209,680	75,443	57,023	2,615	.....	.....	34,240	379,001
Kentucky.....	104,094	44,845	7,510	12,672	.....	6,248	3,492	178,861
Maine.....	.....	.....	.....	1,001,368	16,396	2,543	8,068	1,028,375
Maryland.....	8,896	7,292	51	217,522	794	75	595	235,225
Massachusetts.....	6,100	250	.....	159,997	.....	1,675	125	168,147
Michigan.....	30,299	62,815	1,111	89,441	157,657	27,512	2,375	371,210
Minnesota.....	325,856	26,105	75,335	52,851	.....	3,840	12,475	496,462
Missouri.....	242,469	284,453	47,020	383,543	385	10,231	9,298	977,399
Montana.....	.....	.....	.....	13,818	.....	99,900	.....	113,718
Nebraska.....	33,571	24,948	36,902	2,000	2,960	18,000	6,576	125,017
New Jersey.....	705	1,824	.....	108,056	914	41,526	.....	153,025
New York.....	574,372	337,775	5,965	522,480	14,206	43,042	47,859	1,545,699
Ohio.....	250,816	313,890	11,828	802,228	29,841	313,956	69,065	1,793,604
Oklahoma Ter.....	10,650	40,500	.....	.....	.....	.....	.....	50,550
Oregon.....	.....	.....	.....	8,000	.....	.....	.....	8,000
Pennsylvania.....	195,116	230,907	46,187	1,132,760	147,204	1,278,632	57,777	3,088,583
Rhode Island.....	.....	.....	.....	18,229	.....	.....	.....	18,229
South Carolina ^a.....	.....	.....	.....	17,650	.....	.....	.....	17,650
South Dakota.....	450	.....	.....	10,001	.....	35,357	.....	45,808
Tennessee.....	79,550	14,225	1,250	93,137	2,500	17,130	305	208,097
Texas.....	3,940	357	858	79,399	.....	15,471	.....	100,025
Utah.....	3,898	56	.....	1,033	.....	1,394	.....	6,381
Vermont.....	.....	13	.....	281,560	.....	.....	600	282,173
Virginia.....	12,622	6,788	4	111,339	10	119,477	5,400	255,640
Washington.....	.....	.....	.....	133,646	.....	.....	5,693	139,339
West Virginia.....	1,345	296	10	54,259	558	2,334	.....	58,802
Wisconsin.....	122,202	135,276	45,020	442,586	174	28,860	52,308	826,486
Wyoming.....	.....	.....	.....	742	.....	.....	.....	742
Total.....	5,075,138	2,647,546	394,852	6,983,067	392,846	2,580,799	483,695	18,757,963

^a Contains a small amount for North Carolina.

The following table shows the value of limestone, by States, since 1890:

Value of limestone from 1890 to 1899, by States.

State or Territory.	1890.	1891.	1892.
Alabama	\$324,814	\$300,000	\$325,000
Arizona	(a)		
Arkansas	18,360	20,000	18,000
California	516,780	400,000	400,000
Colorado	138,091	90,000	100,000
Connecticut	131,697	100,000	95,000
Florida	(a)		
Georgia	(a)		
Idaho	28,545		5,000
Illinois	2,190,607	2,030,000	3,185,000
Indiana	1,889,336	2,100,000	1,800,000
Iowa	530,863	400,000	705,000
Kansas	478,822	300,000	310,000
Kentucky	303,314	250,000	275,000
Maine	1,523,499	1,200,000	1,600,000
Maryland	164,860	150,000	200,000
Massachusetts	119,978	100,000	200,000
Michigan	85,952	75,000	95,000
Minnesota	613,247	600,000	600,000
Missouri	1,859,960	1,400,000	1,400,000
Montana	24,964		6,000
Nebraska	207,019	175,000	180,000
New Jersey	129,662	100,000	180,000
New Mexico	3,862	2,000	5,000
New York	1,708,830	1,200,000	1,200,000
Ohio	1,514,934	1,250,000	2,025,000
Oregon	(a)		
Pennsylvania	2,655,477	2,100,000	1,900,000
Rhode Island	27,625	25,000	30,000
South Carolina	14,520	50,000	50,000
South Dakota	(a)		
Tennessee	73,028	70,000	20,000
Texas	217,835	175,000	180,000
Utah	27,568		8,000
Vermont	195,066	175,000	200,000
Virginia	159,023	170,000	185,000
Washington	231,287	25,000	100,000
West Virginia	93,856	85,000	85,000
Wisconsin	813,963	675,000	675,000
Wyoming	(a)		
Total	19,095,179	15,792,000	18,342,000

a Limestone valued at \$77,935 was produced in Oregon, Georgia, Florida, Arizona, South Dakota, and Wyoming. The value is included in the total.

Value of limestone from 1890 to 1899, by States—Continued.

State.	1893.	1894.	1895.
Alabama	\$205,000	\$210,269	\$222,424
Arizona	15,000	19,810	24,159
Arkansas	7,611	38,228	47,376
California	288,626	288,900	322,211
Colorado	60,000	132,170	116,355
Connecticut	155,000	204,414	154,333
Florida	35,000	30,639	10,550
Georgia	34,500	32,000	12,000
Idaho	1,000	5,315	7,829
Illinois	2,305,000	2,555,952	1,687,662
Indiana	1,474,695	1,203,108	1,658,976
Iowa	547,000	616,630	449,501
Kansas	175,173	241,039	316,688
Kentucky	203,000	113,934	154,130
Maine	1,175,000	810,089	700,000
Maryland .....	.....	350,000	200,000
Massachusetts	156,528	195,982	75,000
Michigan	53,282	336,287	424,589
Minnesota	208,088	291,263	218,733
Missouri	861,563	578,802	897,318
Montana	4,100	92,970	95,121
Nebraska	158,927	8,228	7,376
New Jersey	149,416	193,523	150,000
New Mexico .....	.....	4,910	3,375
New York	1,103,529	1,378,851	1,043,182
North Carolina .....	.....	.....	.....
Ohio	1,848,063	1,733,477	1,568,713
Oklahoma Territory .....	.....	.....	.....
Oregon	15,100	.....	970
Pennsylvania	1,552,336	2,625,562	3,055,913
Rhode Island	24,800	20,433	.....
South Carolina	22,070	25,100	.....
South Dakota	100	3,663	4,000
Tennessee	126,089	188,664	156,898
Texas	28,100	41,526	62,526
Utah	17,446	23,696	22,503
Vermont	151,067	408,810	300,000
Virginia	82,685	284,547	268,892
Washington	139,862	59,148	75,910
West Virginia	19,184	43,773	42,892
Wisconsin	543,283	798,406	750,000
Wyoming .....	.....	.....	650
Total	13,947,223	16,190,118	15,308,755

Value of limestone from 1890 to 1899, by States—Continued.

State.	1896.	1897.	1898.	1899.
Alabama	\$180,921	\$221,811	\$242,295	\$364,636
Arizona	18,470	11,522	1,782	960
Arkansas	30,708	44,222	54,373	71,965
California	143,865	308,925	229,729	287,295
Colorado	65,063	79,256	109,310	96,456
Connecticut	138,945	178,410	142,057	162,388
Florida	16,982	18,889	91,330	44,002
Georgia	29,081	32,000	57,803	29,786
Idaho	5,662	15,538	3,080	3,325
Illinois	1,261,359	1,483,157	1,421,072	2,065,483
Indiana	1,658,499	2,012,608	1,686,572	2,173,833
Iowa	410,037	480,572	524,546	785,576
Kansas	158,112	208,889	305,605	379,001
Kentucky	135,967	40,815	83,960	178,861
Maine	608,077	742,877	1,283,468	1,028,375
Maryland	264,278	181,637	433,653	235,225
Massachusetts	118,622	126,508	174,822	168,147
Michigan	109,427	215,177	271,523	371,210
Minnesota	228,992	236,397	345,685	496,462
Missouri	802,968	1,018,202	735,275	977,399
Montana	83,927	37,300	63,196	113,718
Nebraska	10,655	42,359	78,493	125,017
New Jersey	134,213	141,646	146,611	153,025
New Mexico				
New York	1,591,966	1,697,780	1,533,936	1,545,699
North Carolina ^a			1,605	
Ohio	1,399,412	1,486,550	1,673,160	1,793,604
Oklahoma Territory			3,000	50,550
Oregon	1,600		7,480	8,000
Pennsylvania	2,104,774	2,327,870	2,746,256	3,088,583
Rhode Island	11,589	11,555	10,215	18,239
South Carolina	26,000	30,000	34,000	17,650
South Dakota	3,126	3,895	26,858	45,808
Tennessee	157,176	113,774	182,402	208,097
Texas	77,252	57,258	70,321	100,025
Utah	9,358	9,250	11,721	6,381
Vermont	147,138	165,657	174,150	282,173
Virginia	182,640	192,972	182,852	255,640
Washington	83,742	126,877	140,239	139,339
West Virginia	59,113	61,546	56,167	58,802
Wisconsin	552,921	641,232	698,454	826,486
Wyoming				742
Total	13,022,637	14,804,933	16,039,056	18,757,963

^a A small amount for 1899 is included with South Carolina.