

STONE.^a

INTRODUCTION.

In this report stone is classified, as usual in the trade, under the general headings of granite, sandstone, limestone, slate, and marble.

Under the head of granite are included granites and gneisses, which are used for all purposes for which granite is used, such as building stone, foundation work, monumental stone, paving blocks, curbstone and flagstone, rubble, crushed stone for riprap, macadam roads, concrete, and railroad ballast. Besides these the following are also included: The diabase or trap rocks and the basalts, quarried extensively in the New England and Eastern States and in California, and used almost entirely for paving, or crushed for road metal; the lava stone or tuffs of Colorado and other Western States; many quartzites, some of which are used as refractory material in furnaces and are called ganister; and the jasper stone of Minnesota.

Under sandstone are included all consolidated sands. The value of the stone depends upon the cementing material, quartz grains cemented by silica forming the hardest and most durable stone. The varieties of sandstone are often called by the quarrymen bluestone, freestone, and (when the grains composing the stone are of considerable size) conglomerates. As such they are classed as sandstone in this report. Some bituminous sandstone is included also.

Limestone, when in its pure state, consists essentially of amorphous calcium carbonate, often cemented together by crystalline material and containing many impurities. In this report there is included with true limestone not only the calcium carbonate with the usual small amounts of impurities, such as the oxides of iron, aluminum, silica, etc., but stone containing calcium carbonate and magnesium carbonate in varying proportions. When the stone contains a considerable amount of magnesium carbonate it is called magnesium limestone, and when the stone is about equally composed of the carbonate of lime and of magnesia it is called dolomite. The limestones also include travertine, or the limestone deposited by running streams and springs in large compact masses, and fossiliferous, shell, and coral limestones. In composition there is no essential difference between limestone and what is generally known as marble. Marble is, however, limestone

^aThe severe illness of Dr. William C. Day, referred to in the previous volume, has continued, and this report has been prepared by Miss Altha T. Coons, statistical expert.—Ed.

that by action of heat has been transformed into a crystalline form. There is also included with the marble some onyx marble, which in composition is the same as marble, but which is deposited from solution in crystalline form at different intervals, thus giving it a banded appearance and variegated colors. There is also included a small amount of serpentine.

VALUE OF STONE PRODUCED IN 1900 AND 1901.

The value of the entire production of stone in the United States in 1901 was \$60,982,060. In 1900 the value was \$48,686,655, a gain of \$12,295,405 in 1901 over the value of the product in 1900. This enormous increase in value was shared in by all kinds of stone. The total value as given above includes values for grindstones, whetstones, and for limestone for blast-furnace flux which are not included in 1900 and 1901 in the table showing the total value of the various kinds of stone for the last eleven years.

Limestone, including blast-furnace flux, showed the greatest increase—from \$20,354,019 in 1900 to \$26,406,897 in 1901, or \$6,052,878, or 30 per cent.

Granite showed the next greatest increase—from \$12,675,617 in 1900 to \$15,976,961 in 1901, or \$3,301,344, or over 26 per cent. This includes the value of trap rock, which increased slightly—from \$1,706,200 in 1900 to \$1,710,857 in 1901, or \$4,657.

Sandstone increased from \$7,149,300 in 1900 to \$8,844,978 in 1901, an increase of \$1,695,678, or 24 per cent. This includes the value of grindstones, whetstones, and bluestone. The production of bluestone decreased from a value of \$1,198,519 in 1900 to \$1,164,481 in 1901, a decrease of \$34,038.

The marble production increased in value from \$4,267,253 in 1900 to \$4,965,699 in 1901, or \$698,446, or 16 per cent.

The slate production in 1901 increased in value from \$4,240,466 in 1900 to \$4,787,525 in 1901, or \$547,059, or about 13 per cent.

One of the chief features of the industry in 1901 was the increase in the value of crushed stone, including the stone crushed for roads, or macadam, the stone crushed for concrete, and the stone used for railroad ballast. The amount of stone crushed for road work has been increasing steadily in the last few years, owing to the demand for good roads. Gravel roads, however, have somewhat taken the place of crushed stone roads, as being cheaper both to construct and to repair. On islands in the Mississippi River dredging has been carried on for gravel for use in concreting in place of the broken stone and shells formerly used. An increase is caused in the limestone production by the inclusion of a considerable quantity of limestone used in Portland cement manufacture. The increase in the building activity of the country is shown in the increase of the value of stone sold for build-

ing purposes, which showed a greater total increase than any other stone product, being followed in order by crushed stone, and stone used for riprap.

In the following table, which shows the value of the different kinds of stone produced in the United States in the last eleven years, the value of grindstones, whetstones, and blast-furnace flux is not included in 1900 and 1901, as these values are included, respectively, in the reports on abrasive materials and iron ore as published by this office.

Value of the different kinds of stone produced in the United States from 1891 to 1901, inclusive.

Year.	Granite.	Trap rock.	Marble.	Slate.	Sandstone.	Bluestone.	Limestone.	Total.
1891....	\$13,867,000	.....	\$3,610,000	\$3,825,746	\$8,700,000	*\$1,500,000	\$15,792,000	\$47,294,746
1892....	12,642,000	.....	3,705,000	4,117,125	8,315,500	*1,600,000	18,342,000	48,721,625
1893....	8,898,934	.....	2,411,092	2,523,173	5,295,151	*1,000,000	13,947,223	33,985,573
1894....	10,029,156	.....	3,199,585	2,790,324	3,955,847	*900,000	16,190,118	37,065,030
1895....	8,894,328	.....	2,825,719	2,698,700	4,211,314	*750,000	15,308,755	34,688,816
1896....	7,944,984	.....	2,859,136	2,746,205	4,023,199	*750,000	13,022,637	31,346,171
1897....	8,905,075	.....	3,870,584	3,524,614	4,065,445	*900,000	14,804,933	36,070,651
1898....	9,324,406	.....	3,629,940	3,723,540	4,724,412	*1,000,000	16,039,056	38,441,354
1899....	10,348,298	\$1,275,041	4,011,681	3,962,733	^b 4,924,670	815,254	18,757,963	44,090,670
1900....	10,969,417	1,706,200	4,267,253	4,240,466	^b 5,272,865	1,198,519	^c 16,666,625	44,321,345
1901....	14,266,104	1,710,857	4,965,699	4,787,525	^b 6,974,199	1,164,481	^c 21,747,061	55,615,926

* Estimated.

^b Does not include grindstones and whetstones.

^c Does not include value of limestone for flux.

The following tables show the value of stone produced in 1900 and 1901, by States:

Value of various kinds of stone produced in 1900, by States.

State.	Granite.	Sandstone.	Slate.	Marble.	Limestone.	Total.
Alabama .....	.....	\$7,132	.....	\$500	\$533,608	\$541,240
Arizona .....	.....	64,000	.....	5,000	165	69,165
Arkansas	\$62,500	104,923	.....	.....	71,407	238,830
California	*738,993	200,090	\$26,500	17,500	407,489	1,390,572
Colorado	143,054	119,658	.....	.....	160,587	423,299
Connecticut	*507,754	192,593	.....	.....	148,060	848,407
Delaware	608,028	.....	.....	.....	.....	608,028
Florida .....	.....	.....	.....	.....	128,381	128,381
Georgia	380,434	600	9,375	631,241	54,451	1,076,101
Idaho	2,450	438	.....	1,250	34,587	38,725
Illinois .....	.....	19,141	.....	.....	1,881,151	1,900,292
Indiana .....	.....	45,063	.....	.....	2,344,818	2,389,881
Iowa .....	.....	19,063	.....	.....	586,410	605,473
Kansas	30,000	55,173	.....	.....	339,466	424,639
Kentucky .....	.....	56,178	.....	.....	178,252	234,430
Louisiana .....	.....	^b 118,192	.....	.....	.....	118,192
Maine	1,568,573	.....	177,342	.....	691,312	2,437,227
Maryland	486,822	6,655	128,673	70,000	217,207	1,009,357

* Includes trap rock.

^b Includes small amount for Mississippi.

Value of various kinds of stone produced in 1900, by States—Continued.

State.	Granite.	Sandstone.	Slate.	Marble.	Limestone.	Total.
Massachusetts.....	* \$1,698,605	\$153,427	.....	\$130,735	\$209,359	\$2,192,126
Michigan.....	3,957	238,650	.....	.....	425,636	668,243
Minnesota.....	221,684	267,000	\$700	.....	441,554	930,938
Missouri.....	139,103	53,401	.....	900	1,079,343	1,272,747
Montana.....	b 9,091	59,630	.....	1,200	141,093	211,014
Nebraska.....	.....	.....	.....	.....	b 107,305	107,305
New Hampshire.....	870,646	.....	.....	.....	.....	870,646
New Jersey.....	* 1,170,555	198,234	13,600	.....	170,006	1,552,395
New Mexico.....	.....	2,500	.....	4,500	.....	7,000
New York.....	* 446,171	c 1,467,496	62,755	332,518	1,730,162	4,039,102
North Carolina.....	257,962	27,210	.....	.....	(d)	285,172
Ohio.....	.....	2,233,596	.....	.....	1,969,387	4,202,983
Oklahoma.....	.....	.....	.....	.....	25,586	25,586
Oregon.....	5,313	5,450	.....	.....	10,900	21,663
Pennsylvania.....	* 396,271	c 1,050,248	2,713,598	151,167	3,800,318	8,111,602
Rhode Island.....	444,316	.....	.....	.....	16,828	461,144
South Carolina.....	500,802	.....	.....	.....	* 38,415	539,217
South Dakota.....	114,115	12,675	.....	.....	47,762	174,552
Tennessee.....	.....	11,300	250	424,054	238,505	674,109
Texas.....	76,069	37,038	.....	.....	124,728	237,835
Utah.....	2,170	66,733	.....	.....	12,749	81,652
Vermont.....	1,113,788	.....	917,462	2,484,852	188,100	4,704,202
Virginia.....	211,080	6,000	190,211	.....	403,318	810,609
Washington.....	48,900	68,133	.....	11,836	249,163	378,032
West Virginia.....	.....	72,438	.....	.....	53,701	126,139
Wisconsin.....	407,711	81,371	.....	.....	989,685	1,478,967
Wyoming.....	8,700	27,671	.....	.....	3,065	39,436
Total.....	* 12,675,617	c 7,149,300	4,240,466	4,267,253	20,354,019	48,686,655

Value of various kinds of stone produced in 1901, by States.

State.	Granite.	Sandstone.	Slate.	Marble.	Limestone.	Total value.
Alabama.....	.....	\$8,680	.....	.....	\$619,423	\$628,103
Alaska.....	.....	.....	.....	\$4,500	.....	4,500
Arizona.....	.....	202,500	.....	300	300	203,100
Arkansas.....	\$23,554	62,825	.....	300	68,319	154,998
California.....	* 1,134,675	301,028	\$18,608	6,642	645,455	2,106,408
Colorado.....	138,996	237,331	.....	.....	245,799	622,126
Connecticut.....	* 616,654	146,814	.....	.....	140,424	903,892
Delaware.....	671,204	.....	.....	.....	.....	671,204
Florida.....	.....	.....	.....	.....	51,870	51,870
Georgia.....	761,646	.....	3,000	936,549	85,629	1,786,824
Idaho.....	5,100	20,843	.....	.....	21,251	47,194
Illinois.....	.....	12,884	.....	.....	2,793,837	2,806,721
Indiana.....	.....	34,959	.....	.....	2,993,186	3,028,145
Indian Territory.....	(f)	.....	.....	.....	.....	(f)
Iowa.....	.....	14,341	.....	.....	777,484	791,825
Kansas.....	* 48,530	49,901	.....	.....	478,986	577,417
Kentucky.....	.....	108,259	.....	.....	199,567	307,826
Maine.....	2,703,116	.....	202,325	.....	715,272	3,620,713

* Includes trap rock.

b Includes small amount for Nevada.

c Includes bluestone.

d Included with South Carolina.

e Includes small amount for North Carolina.

f Included with Kansas.

g Includes Indian Territory.

Value of various kinds of stone produced in 1901, by States—Continued.

State.	Granite.	Sandstone.	Slate.	Marble.	Limestone.	Total value.
Maryland	\$613,356	\$4,546	\$105,798	\$68,100	\$382,381	\$1,174,181
Massachusetts	^a 2,216,258	247,810	.....	126,546	244,039	2,834,153
Michigan	2,706	290,578	.....	.....	565,931	859,215
Minnesota	260,105	246,685	1,400	.....	522,778	1,030,968
Missouri	95,806	42,170	.....	2,100	1,362,272	1,502,348
Montana	15,200	60,719	.....	1,500	143,866	221,285
Nebraska .....	.....	515	.....	.....	154,717	155,232
Nevada	4,100	.....	.....	.....	.....	4,100
New Hampshire	935,494	.....	.....	.....	.....	935,494
New Jersey	^a 894,167	244,512	30,000	.....	309,738	1,478,417
New Mexico .....	.....	.....	.....	10,600	.....	10,600
New York	^a 489,828	^b 1,331,327	100,960	379,159	1,738,716	4,039,990
North Carolina	261,288	11,682	.....	.....	8,266	281,236
Ohio .....	.....	2,576,723	.....	.....	2,606,502	5,183,225
Oklahoma Territory .....	.....	.....	.....	.....	32,497	32,497
Oregon	10,754	531	.....	500	24,520	36,305
Pennsylvania	^a 486,008	^b 2,063,082	2,984,264	157,547	5,081,887	10,772,288
Rhode Island	501,698	.....	.....	.....	38,030	539,728
South Carolina	996,084	.....	.....	.....	28,500	1,024,584
South Dakota	99,941	17,647	.....	.....	53,780	171,368
Tennessee .....	.....	10,342	.....	494,637	330,927	835,906
Texas	27,005	111,568	.....	.....	209,658	348,231
Utah	5,588	38,919	.....	320	78,900	123,727
Vermont	1,245,828	.....	1,162,191	2,753,583	205,138	5,366,740
Virginia	275,701	5,303	178,979	.....	^d 986,177	1,416,160
Washington	43,808	89,174	.....	22,816	234,587	390,385
West Virginia .....	.....	106,710	.....	.....	^e	106,710
Wisconsin	389,953	90,425	.....	.....	1,225,448	1,705,826
Wyoming	2,810	54,145	.....	.....	1,340	58,295
Total	^a 15,976,961	^b 8,844,978	4,787,525	4,965,699	26,406,897	60,982,060

^a Includes trap rock.

^b Includes bluestone.

^c Includes grindstones and whetstones.

^d Includes West Virginia.

^e Included with Virginia.

^f Includes blast-furnace flux.

From the above tables it will be seen that Pennsylvania, producing every kind of stone, ranks first in the total valuation of the stone produced. Vermont is second in rank, and Ohio, which produces, however, only limestone and sandstone, third. New York is fourth, followed by Maine, Indiana, Massachusetts, and Illinois in the order named. Each of these States has a product of over \$2,000,000. The drop from the value of the Pennsylvania product to the value of the Vermont product, the second State, is noticeable. Pennsylvania's entire stone product is valued at \$10,772,288, and Vermont's product at \$5,366,740.

In 1900 the rank of the States was the same.

The following table is given to show the total values of the stone used for various purposes in 1900 and 1901. Only those values are given which are for uses common to two or more varieties of stone,

or where the values of the different varieties have been compiled in a similar manner.

Value of granite, limestone, sandstone, and marble used for various purposes in 1900 and 1901.

1900.

Kind.	Dressed for building purposes.	Dressed for monumental work.	Paving.	Curbstone and flagging.	Crushed for roads.	Riprap, rubble, etc.
Granite.....	\$3,233,224	\$1,598,842	\$1,006,296	\$593,209	\$2,571,899	\$1,216,871
Limestone.....	4,330,706	.....	.....	(^a)	3,953,469	582,488
Marble.....	900,969	2,019,474	.....	.....	.....	.....
Sandstone.....	2,207,699	.....	(^b)	2,071,887	(^c)	(^c)
Total.....	10,672,598	3,618,316	1,006,296	2,665,096	6,525,368	1,799,359

1901.

Granite.....	\$3,781,294	\$1,457,557	\$1,821,431	\$670,703	\$3,003,443	\$1,755,959
Limestone.....	5,219,310	.....	.....	463,925	5,271,642	1,024,109
Marble.....	1,236,023	1,948,892	.....	.....	.....	.....
Sandstone.....	4,875,973	.....	358,910	1,663,221	285,347	447,520
Total.....	15,112,600	3,406,449	2,180,341	2,797,849	8,560,432	3,227,588

^a Not collected as such in 1900.

^b Included in the value of curbstone and flagstone.

^c Included in a value of \$1,778,322 which was tabulated as "sold in rough" in 1900. (See page 31.)

The above table shows the great increase in the building stone produced in 1901, as compared with 1900. In 1900 it was valued at \$10,672,598; in 1901 at \$15,112,600, showing a gain of \$4,440,002. The value of monumental and cemetery work decreased slightly, from \$3,618,316 in 1900 to \$3,406,449 in 1901.

Crushed stone increased in value from \$6,525,368 in 1900 to \$8,560,432 in 1901, a gain of \$2,035,064. The figures for crushed sandstone are, however, not included in the total for 1900. The value of riprap, rubble, etc., increased also, although it is not possible to give the exact figures, as in 1900 the figures given mean riprap only, the rubble, both in granite and sandstone, being otherwise classified.

As the crushed-stone industry has become such a decided factor in the quarry trade, the following table is given, showing the production of crushed stone in 1901 according to the variety of stone, and showing also the purpose for which this stone was used.

Value of crushed stone in the United States in 1901.

Kind.	Railroad ballast.	Road making.	Concrete.	Total value.
Limestone.....	\$1,758,541	\$2,298,286	\$1,214,815	\$5,271,642
Sandstone.....	30,887	130,503	123,957	285,347
Granite.....	516,768	2,008,966	477,709	3,003,443
Total.....	2,306,196	4,437,755	1,816,481	8,560,432

In 1900 no separation was made of the values of road material, railroad ballast, and concrete.

In the following table is shown, by States, the total value of the crushed stone produced in the United States in 1901.

Value of crushed stone produced in the United States in 1901, by States and Territories.

State or Territory.	Granite.	Limestone.	Sandstone.	Total value
Alabama		\$2,500		\$2,500
Arkansas	\$5,877	1,000	\$36,204	43,081
California	375,941	211,148	24,000	611,089
Colorado	2,190	100	15,500	17,790
Connecticut	216,306			216,306
Delaware	87,263			87,263
Florida		6,420		6,420
Georgia	98,170	13,581		111,751
Idaho		25		25
Illinois		1,155,746	20	1,155,766
Indiana		225,740		225,740
Indian Territory	450			450
Iowa		188,902	275	184,177
Kansas	37,333	137,283	450	175,066
Kentucky		99,415		99,415
Maine	90,499			90,499
Maryland	101,458	53,663		155,121
Massachusetts	191,823	150	65,400	257,373
Michigan	2,706	125,448		128,154
Minnesota	2,085	20,268	9,515	31,868
Missouri	27,862	295,470	2,896	326,228
Montana			2,300	2,300
Nebraska		67,309		67,309
New Hampshire	25,223			25,223
New Jersey	721,126	1,925	831	723,882
New York	320,610	627,884	18,715	967,209
North Carolina	85,083	4,668		89,751
Ohio		853,886	15,005	868,891
Oklahoma Territory		24,534		24,534
Oregon		12,100	49	12,149
Pennsylvania	369,078	746,895	56,942	1,172,915
Rhode Island	6,676			6,676
South Carolina	79,091	1,000		80,091
South Dakota	3,000			3,000
Tennessee		42,120	50	42,170
Texas		9,250	10,000	19,250
Utah		23		23
Vermont	2,107	610		2,717
Virginia	60,008	77,985		137,993
Washington	9,868	840	240	10,948
West Virginia			1,730	1,730
Wisconsin	81,610	268,729	1,519	351,858
Wyoming		25	23,706	23,731
Total	3,003,443	5,271,642	285,347	8,560,432

The division of this product, according to the uses to which the stone was put, is shown already in the table giving the values of the different varieties of stone by States and uses.

As the value of stone specified as used for railroad bridges, included in the tables with building stone, is considerable, the following table is given showing by States and variety of stone the value of the bridge stone used in the United States in 1901:

Value of stone used for bridge building in the United States in 1901.

State.	Sandstone.	Granite.	Limestone.	Total value.
Arizona	\$180,000			\$180,000
Illinois			\$50,855	50,855
Indiana	15,720		6,474	22,194
Iowa	240		2,309	2,549
Kansas			118,848	118,848
Maine		\$96,175		96,175
Maryland		34,160		34,160
Massachusetts		58,553		58,553
Minnesota			156,272	156,272
Missouri	3,750		43,000	46,750
New York	8,642		19,000	27,642
Ohio	108,084		533	108,617
Pennsylvania	726,897	8,500	1,702	737,099
Texas			1,800	1,800
West Virginia	67,000			67,000
Wisconsin			3,370	3,370
Total	1,110,333	197,388	404,163	1,711,884

IMPORTS AND EXPORTS.

The figures following, giving statistics of the imports and exports of stone for the United States, are taken from the data collected by the Bureau of Statistics of the Treasury Department. These statistics are collected by fiscal years, and when the figures for a special year are given the year ending June 30 of the year mentioned is meant.

The value of the stone imported into this country for the fiscal year ending June 30, 1901, was \$1,276,602. This, when compared with a value of \$1,028,550 for 1900 and of \$883,852 for 1899, shows an increase of considerable magnitude, according well with the increase in the production of stone in the United States. The above values include marble and manufactured marble to the value of \$680,533 in 1899, \$812,606 in 1900, and \$1,024,687 in 1901, and stone, including slate, both rough and manufactured, to the value of \$203,319 in 1899, \$215,944 in 1900, and \$251,915 in 1901. The marble, including onyx, imported in blocks, rough or squared, was valued at \$519,117 in 1900 and at \$617,945 in 1901. The largest feature of the marble importation was the marble rough and manufactured from Italy, which amounted to \$823,488 in 1901 and to \$665,221 in 1900.

Besides the above there was imported into the United States lime valued at \$58,066 in 1899, \$63,900 in 1900, and \$65,399 in 1901. Almost all of this lime was imported from Canada.

The total value of the stone exported from the United States in 1901 was \$1,672,876 and in 1900, \$1,762,023, showing a decrease of \$89,147.

The chief value was for roofing slate, which was valued at \$950,543 in 1900 and \$898,262 in 1901. A table showing this production is given on page 42 of this report.

The value of unmanufactured stone exported was \$93,720 in 1901 and \$120,397 in 1900. Lime was exported in 1901 valued at \$34,592, and in 1900 at \$84,854.

The value for all other stone exported in 1901 was \$606,229 and in 1900 \$740,022.

GRANITE.

An increase in the value of the granite production in the United States from \$12,675,617 in 1900 to \$15,976,961 in 1901, or \$3,301,344, shows that, as with the other varieties of stone, granite has made a marked increase in value of production. The increase in 1901 was more than in 1900 by \$2,244,066, being \$3,301,344 in 1901 and \$1,057,278 in 1900.

This increase was greatest in the value of the stone sold in the rough, which increased from \$2,455,276 in 1900 to \$3,486,574 in 1901, a gain of \$1,031,298. For the first time an effort has been made to classify the value of rough stock sold according to the uses for which it was sold. The building and monumental were the most prominent uses, \$1,878,835 being the value of rough building stock, \$1,257,668 being the value of rough monumental stock, \$350,071 being devoted to other purposes, including some ganister and other uses to which no stated name was given on the schedule cards. In the valuation by States the State showing the greatest production of rough building stone was Maine, followed by Massachusetts, with Vermont in third place. In the value of rough monumental stock sold, Vermont held first rank, with Massachusetts second and, at a long interval, Rhode Island third.

The second increase of importance was in the value of the paving blocks made, which increased from \$1,006,296 in 1900 to \$1,821,431 in 1901, a gain of \$815,135. Maine, Massachusetts, and Georgia were the States having the largest production. These figures show a decided improvement in the paving-block industry, which, for the last six years, has been influenced by the use of asphalt and brick. In 1901 paving blocks were used to some extent under asphaltum in the paving of streets. In 1894, the first year in which the production of paving blocks was noted as a separate item, the value was \$2,254,587, and, for

the succeeding years, the value decreased, until in 1898 the value was \$854,151. In 1899 the value increased to \$969,499; in 1900 to \$1,006,296, and in 1901 to \$1,821,431. In 1894, the year of the greatest productive value, Maine, Massachusetts, and Pennsylvania were the leading States in production, followed by Georgia. In 1900 Pennsylvania dropped very nearly to the end of the rank of the paving-block production, and Wisconsin, which showed a very small production in 1894, claimed third place. In 1901 Maine, Massachusetts, and Georgia, in the order named, were the States giving the greatest production, showing the change in the distribution of the demand.

The curbstone and flag produced increased from a value of \$593,209 in 1900 to \$670,703 in 1901, an increase of \$77,494.

The value of dressed building stone sold by the producers was \$3,781,294 in 1901 and \$3,233,224 in 1900, an increase of \$548,070. The greatest value of State production for this use was that of Maine, Massachusetts being second, New Hampshire third, and California in fourth place. In the dressed monumental work, the value decreased somewhat, being \$1,598,842 in 1900 and \$1,457,557 in 1901, a decrease of \$141,285.

Owing to the increased demand for road metal—that is, railroad ballast, concrete, macadam, etc.—an effort has been made to collect the statistics of these separately. The total value of the crushed granite in 1901 was \$3,003,443; in 1900, \$2,571,899, a gain of \$431,544. The value of railroad ballast, as shown by the table, was \$516,768; of road metal (macadam, etc.), \$2,008,966, and of concrete, \$477,709. Delaware produced the greatest value for railroad ballast, California for concrete, and New Jersey for road-making material. North Carolina came second, California third, and Pennsylvania fourth in the value of railroad ballast; Pennsylvania second and New York third in value of road-making material; and Massachusetts second and Maryland third in the value of concrete. In this crushed material is included the trap rocks and basaltic rocks of New York, New Jersey, Pennsylvania, Delaware, California, Connecticut, and Massachusetts. A table is given, showing the value of trap rock in such States where the product of trap rock alone is large enough to have a decisive influence on the entire granite production, but not where the trap-rock production is represented by but one firm.

The total production given in the table shows that the value of trap rock in 1901 was \$1,710,857, which was more than the value of 1900—\$1,706,200—by \$4,657. There was a decrease in the value of the output in New Jersey and California; on the other hand, Connecticut, Massachusetts, New York, and Pennsylvania gave an increased value.

The value of riprap, rubble, etc., increased from \$1,216,871 in 1900 to \$1,755,959 in 1901, or \$539,088. South Carolina produced the greatest value of this product in 1901, and Delaware in 1900.

The following table shows the value of granite production in the United States from 1897 to 1901, inclusive:

Value of granite product from 1897 to 1901, inclusive.

State.	1897.	1898.	1899.	1900.	1901.
Arkansas			\$39,470	\$62,500	\$23,554
California	\$167,518	\$247,429	471,665	738,993	1,134,675
Colorado	44,284	25,923	78,261	143,054	138,996
Connecticut	616,215	682,768	516,886	507,754	616,654
Delaware	272,469	677,754	1,039,349	608,028	671,204
Georgia	436,000	339,311	411,344	380,434	761,646
Idaho				2,450	5,100
Indian Territory					48,530
Kansas				30,000	
Maine	1,115,327	1,032,621	1,321,082	1,568,573	2,703,116
Maryland	247,948	317,258	423,823	486,822	613,356
Massachusetts	1,736,069	1,650,508	1,798,294	1,698,605	2,216,258
Michigan				3,957	2,706
Minnesota	92,412	79,309	159,459	221,684	260,105
Missouri	97,857	78,423	151,688	139,103	95,806
Montana			9,950	9,091	19,300
Nevada	3,050				
New Hampshire	641,691	683,595	802,636	870,646	935,494
New Jersey	561,782	753,513	779,822	1,170,555	894,167
New York	422,216	516,847	306,711	446,171	489,828
North Carolina	59,236	79,969	225,544	257,962	261,288
Oregon	1,125		3,012	5,313	10,754
Pennsylvania	349,947	237,780	385,101	396,271	486,008
Rhode Island	629,564	320,242	400,128	444,316	501,698
South Carolina	37,820	169,518	361,034	500,802	996,084
South Dakota	68,961	17,443	91,049	114,115	99,941
Texas	3,500	4,685	84,945	76,069	27,005
Utah	3,854	3,545	4,735	2,170	5,588
Vermont	1,074,300	1,084,218	1,212,967	1,113,788	1,245,828
Virginia	88,096	136,180	223,380	211,080	275,701
Washington	5,800	9,700	42,766	48,900	43,808
Wisconsin	126,134	175,867	270,538	407,711	389,953
Wyoming			2,700	8,700	2,810
Total	8,905,075	9,324,406	11,618,339	12,675,617	15,976,961

The following table shows the value of granite in the United States in 1900 and 1901, by States and uses:

Value of granite in the United States in 1900 and 1901, by States and uses.

1900.

State.	Sold in rough.	Dressed for building purposes.	Dressed for monumental work.	Made into paving blocks.	Curb-ing.	Crushed for roads.	Riprap.	Total.
Arkansas	\$12,000	.....	.....	\$4,000	\$7,000	\$28,500	\$11,000	\$62,500
California	47,539	\$256,990	\$34,159	33,006	17,116	238,991	111,192	738,993
Colorado	14,356	106,784	4,509	8,750	215	8,440	.....	143,054
Connecticut	94,080	112,010	52,535	15,670	25,224	176,743	31,492	507,754
Delaware	7,912	5,348	1,000	28,191	3,459	36,558	525,560	608,028
Georgia	52,975	84,052	24,100	28,652	130,065	43,240	17,350	380,434
Idaho .....	.....	.....	2,450	.....	.....	.....	.....	2,450
Kansas .....	.....	.....	.....	.....	.....	30,000	.....	30,000
Maine	286,781	887,786	98,380	145,966	96,271	5,012	48,377	1,568,573
Maryland	127,608	164,181	13,400	71,855	24,520	84,151	1,107	486,822
Massachusetts	569,119	429,077	80,573	267,148	89,692	122,661	140,335	1,698,605
Michigan	3,957	.....	.....	.....	.....	.....	.....	3,957
Minnesota	19,598	104,955	72,934	3,896	11,199	5,450	3,652	221,684
Missouri	15,073	215	217	71,154	11,056	38,749	2,639	139,103
Montana	285	2,202	4,922	.....	1,682	.....	.....	9,091
Nevada .....				.....		.....	.....
New Hampshire	193,471	299,418	242,026	58,512	37,427	15,126	24,666	870,646
New Jersey	100,130	176,608	800	51,697	337	838,621	2,362	1,170,555
New York	40,290	48,275	730	8,341	3,155	345,115	265	446,171
North Carolina	15,508	56,133	6,621	46,414	81,426	25,778	26,082	257,962
Oregon	993	1,500	2,500	320	.....	.....	.....	5,313
Pennsylvania	71,454	14,761	507	13,189	10,664	285,296	400	396,271
Rhode Island	70,800	120,428	232,144	13,382	3,461	3,483	618	444,316
South Carolina	6,376	143,750	26,498	7,077	2,625	99,459	215,017	500,802
South Dakota	61,915	7,245	5,645	10,344	6,195	12,645	10,126	114,115
Texas	19,808	130	25,616	.....	3,500	6,015	21,000	76,069
Utah	918	32	920	.....	.....	.....	300	2,170
Vermont	526,370	49,763	527,053	225	2,735	1,472	6,170	1,113,788
Virginia	54,225	55,296	21,461	16,605	8,810	38,850	15,833	211,080
Washington	15,500	13,500	10,000	.....	9,500	.....	400	48,900
Wisconsin	19,335	90,985	107,142	101,902	5,875	81,544	928	407,711
Wyoming	6,900	1,800	.....	.....	.....	.....	.....	8,700
Total	2,455,276	3,233,224	1,598,842	1,006,296	593,209	2,571,899	1,216,871	12,675,617

1901.

State.	Sold in the rough.			Dressed for building.	Dressed for monumental work.	Made into paving blocks.
	Building.	Monumen-tal.	Other.			
Arkansas .....	.....	.....	.....	.....	.....	\$2,627
California	\$24,057	\$38,755	\$6,815	\$358,832	\$72,257	46,300
Colorado	45,650	7,562	.....	60,835	1,787	5,750
Connecticut	108,959	26,267	24,384	94,611	70,894	29,533
Delaware	9,069	.....	2,678	1,750	400	32,191
Georgia	54,321	22,315	2,725	57,207	14,526	328,087
Idaho	100	5,000	.....	.....	.....	.....

Value of granite in the United States in 1900 and 1901, by States and uses—Continued.

1901—Continued.

State.	Sold in the rough.			Dressed for building.	Dressed for monumental work.	Made into paving blocks.
	Building.	Monumental.	Other.			
Indian Territory	\$2,340			\$7,800		
Kansas						
Maine	407,418	\$24,475	\$27,447	1,501,797	\$76,276	\$401,189
Maryland	181,608	20,180	1,500	188,568	7,800	51,637
Massachusetts	333,047	236,327	118,567	455,535	236,273	364,721
Michigan						
Minnesota	13,215	42,197	1,550	55,017	96,902	20,002
Missouri	550	17,406	2,095			40,651
Montana				15,600	3,500	
Nevada						
New Hampshire	156,832	52,231	9,797	363,957	171,239	112,581
New Jersey	60,905	2,515		19,888		87,933
New York	24,312	1,325	6,150	97,350	6,283	33,025
North Carolina	27,464	4,105	2,212	68,975	6,813	10,862
Oregon	3,748	250	1,590	3,900	1,116	
Pennsylvania	63,568	1,050	4,538	18,916	227	15,712
Rhode Island	9,722	92,974	110	160,190	198,831	27,666
South Carolina	56,831	23,433	5,730	165,594	12,789	8,276
South Dakota	25,106		2,159	1,650		52,089
Texas	2,652	11,521		243	10,400	
Utah	2,288	3,300				
Vermont	208,825	534,755	101,779	16,343	354,563	16,304
Virginia	40,763	8,300	230	45,737	52,404	17,253
Washington	9,100	2,250		3,000		3,360
Wisconsin	3,575	79,175	28,015	17,999	62,277	113,682
Wyoming	2,810					
Total	1,878,835	1,257,668	350,071	3,781,294	1,457,557	1,821,431

State.	Curbing and flagging.	Crushed stone.			Riprap, rubble, etc.	Total.
		Railroad ballast.	Road making.	Concrete.		
Arkansas	\$12,496		\$3,500	\$2,377	\$2,554	\$23,554
California	22,200	\$62,103	110,871	202,967	189,518	1,134,675
Colorado	397		750	1,440	14,825	138,996
Connecticut	14,358		213,672	2,634	31,342	616,654
Delaware	2,853	* 87,263			535,000	671,204
Georgia	155,920	25,700	35,545	36,925	28,375	761,646
Idaho						5,100
Indian Territory	62	37,333		450	545	48,530
Kansas						
Maine	124,535	25,325	59,714	5,460	49,480	2,703,116
Maryland	42,045	13,092	37,962	50,404	18,560	613,356
Massachusetts	146,325	5,455	135,775	50,593	133,640	2,216,258
Michigan			2,706			2,706
Minnesota	18,155	40	1,025	1,020	10,982	260,105
Missouri	3,142		27,862		4,100	95,806
Montana	200					19,300
Nevada						
New Hampshire	28,708	3,615	7,140	14,468	14,926	935,494
New Jersey		43,500	677,176	450	1,800	894,167

* Includes road making.

Value of granite in the United States in 1900 and 1901, by States and uses—Continued.

1901—Continued.

State.	Curbing and flag- ging.	Crushed stone.			Riprap, rubble, etc.	Total.
		Railroad ballast.	Road mak- ing.	Concrete.		
New York	\$773	\$40,000	\$262,410	\$18,200	.....	\$489,828
North Carolina.....	51,733	64,660	17,223	3,200	\$4,041	261,288
Oregon	150	.....	.....	.....	.....	10,754
Pennsylvania	7,611	48,686	294,986	25,406	5,308	486,008
Rhode Island.....	2,456	.....	5,676	1,000	3,073	501,698
South Carolina	2,723	46,835	21,806	10,450	641,617	996,084
South Dakota.....	795	.....	.....	3,000	15,142	99,941
Texas.....	2,189	.....	.....	.....	.....	27,005
Utah.....	.....	.....	.....	.....	.....	5,588
Vermont	10,400	400	1,707	.....	752	1,245,828
Virginia.....	7,977	7,841	9,850	42,317	43,029	275,701
Washington	9,000	4,920	.....	4,948	7,230	43,808
Wisconsin	3,500	.....	81,610	.....	120	389,953
Wyoming.....	.....	.....	.....	.....	.....	2,810
Total	670,703	516,768	2,008,966	477,709	1,755,959	15,976,961

The following tables show the value of the trap rock produced in the United States in 1900 and 1901, by States and uses:

Value of trap rock produced in the United States in 1900 and 1901, by States and uses.

1900.

State.	Sold in rough.	Made into paving blocks.	Crushed for roads or ballast.	Other purposes.	Total.
California	\$750	\$10,000	\$117,062	\$4,523	\$132,335
Connecticut	3,701	767	144,293	1,427	150,188
Massachusetts	1,000	.....	80,545	.....	81,545
New Jersey	28,014	46,247	793,621	13,766	881,648
New York .....	.....	.....	171,773	12,627	184,400
Pennsylvania.....	5,573	21	270,444	46	276,084
Total	39,038	57,035	1,577,738	32,389	1,706,200

1901.

California .....	.....	\$1,250	\$121,120	\$4,627	\$126,997
Connecticut .....	.....	193	202,006	11,784	213,983
Massachusetts .....	.....	.....	128,079	2,469	130,548
New Jersey .....	.....	83,922	633,129	44,286	761,337
New York .....	.....	22,750	161,248	5,985	189,983
Pennsylvania.....	.....	1,890	281,706	4,413	288,009
Total .....	.....	110,005	1,527,288	73,564	1,710,857

The above tables show an increase of \$4,657 in the total production.

California and New Jersey show a loss in the value of the product, and the other States an increase.

SANDSTONE.

In collecting the sandstone figures in 1901 no effort was made to separate on the schedule cards the values of stones used for curbing and for flagstone. On many of the cards, however, the separation was made by the producers themselves, and as the value given for curbing reached a considerable amount, the figures are given as they were given by the quarrymen. The large table showing the value, by States and by uses, gives the value for grindstones and whetstones, and includes bluestone in New York and Pennsylvania; but in the table showing the value of the different kinds of stone, the value of the bluestone is shown separately from the sandstone and the value of grindstones and whetstones is not included in the sandstone total, as it is included in the report on abrasive materials as published by this office.

The value of the entire sandstone production in 1901 was \$8,844,978, and in 1900 the value was reported as \$7,149,300, showing an increase of \$1,695,678. Ohio kept first rank in the production of sandstone, but Pennsylvania took second place, with New York third, while in 1900 New York was second and Pennsylvania third. The change of rank was due to a decrease in the New York production, owing to less activity in the quarries in and around Hulburton, Medina, and Holley; and a large increase in Pennsylvania, owing to a large amount of stone being used in the building of railroad bridges. These three are the only States whose production reached the million-dollar mark, Ohio having, in 1901, a production valued at \$2,576,723; Pennsylvania, \$2,063,082; and New York, \$1,331,327. The highest production reached by any other State was \$301,028, from the State of California.

The value of bluestone included in the total in 1901 was \$1,164,481, as compared with \$1,198,519 included in the figures for 1900, showing a decrease of \$34,038 in the value of bluestone in 1901. The value of grindstones and whetstones included in the total in 1900 was \$677,916; in 1901, \$706,298. The value of the sandstone, exclusive of bluestone, was \$7,680,497 in 1901 and \$5,950,781 in 1900, showing a gain of \$1,729,716 in 1901 as compared with 1900.

Pennsylvania showed the greatest production of building stone, with Ohio next. The inclusion of a large amount used for railroad bridges gave this increased product, as Ohio has always produced the most for this purpose. Pennsylvania also showed the greatest production of crushed rock for road material; New York and Minnesota, respectively, reported the greatest production for paving purposes; Ohio and Pennsylvania for riprap, rubble, etc.; New York and Ohio for curbing, and Ohio and New York for flagstones, and Ohio the greatest production of grindstones, followed by Michigan as second.

The following table shows the value of the sandstone production in the United States from 1897 to 1901, inclusive, by States:

Value of sandstone production in the United States from 1897 to 1901, inclusive, by States.

State.	1897.	1898.	1899.	1900.	1901.
Alabama	\$3,000	\$27,882	\$71,675	\$7,132	\$8,680
Arizona	15,000	57,444	4,168	64,000	202,500
Arkansas	3,161	24,825	73,616	104,923	62,825
California	4,035	358,908	261,193	200,090	301,028
Colorado	60,847	89,637	129,815	119,658	237,331
Connecticut	364,604	215,733	271,623	192,593	146,814
Georgia				600	
Idaho				438	20,843
Illinois	14,250	13,758	16,133	19,141	12,884
Indiana	35,561	45,342	35,636	45,063	34,959
Iowa	14,771	7,102	24,348	19,063	14,341
Kansas	20,953	19,528	49,629	55,173	49,901
Kentucky	40,000	72,525	119,982	56,178	108,259
Louisiana	8,000	200,500	^a 226,503	^b 118,192	
Maryland		13,646	24,426	6,655	4,546
Massachusetts	194,684	91,287	131,877	153,427	247,310
Michigan	171,127	222,376	320,192	238,650	290,578
Minnesota	158,057	175,810	294,615	267,000	246,685
Missouri	57,583	48,795	57,662	53,401	42,170
Montana	25,644	3,682	26,160	59,630	60,719
Nebraska					515
New Jersey	190,976	257,217	147,768	198,234	244,512
New Mexico		3,500	1,829	2,500	
New York	544,514	566,133	^c 1,218,053	^c 1,467,496	^c 1,331,327
North Carolina	11,500	9,100	10,300	27,210	11,682
Ohio	1,600,058	1,494,746	1,775,642	2,233,593	2,576,723
Oregon		7,864	4,153	5,450	531
Pennsylvania	380,813	478,451	^c 717,053	^c 1,050,248	^c 2,063,082
South Dakota		9,000	18,325	12,675	17,647
Tennessee				11,300	10,342
Texas	30,030	77,190	35,738	37,038	111,568
Utah	7,907	15,752	29,091	66,733	38,919
Virginia			8,000	6,000	5,303
Washington	16,187	15,575	58,395	68,133	89,174
West Virginia	47,288	14,381	33,860	72,438	106,710
Wisconsin	33,620	80,341	132,901	81,571	90,425
Wyoming	11,275	6,382	32,583	27,671	54,145
Total	4,065,445	4,724,412	6,362,944	7,149,300	8,844,978

^a Includes small amounts for Idaho and Nevada.

^b Includes Mississippi.

^c Includes bluestone.

The following table shows the value of the sandstone production in the United States in 1900 and 1901, by States and uses:

Value of sandstone produced in the United States in 1900 and 1901, by States and uses.

1900.

State.	Sold in rough.	Dressed for building purposes.	Sold for curbing and flag-stones.	Sold for grind-stones.	Sold for whet-stones.	Other purposes.	Total.
Alabama	\$3,745	\$2,250	\$1,137	.....	.....	.....	\$7,132
Arizona	14,000	50,000	.....	.....	.....	.....	64,000
Arkansas	58,538	8,065	31,010	.....	.....	\$7,320	104,923
California	176,592	16,114	7,384	.....	.....	.....	200,090
Colorado	59,387	31,478	22,793	.....	.....	6,000	119,658
Connecticut	52,646	127,540	.....	.....	.....	12,407	192,593
Georgia .....	.....	400	200	.....	.....	.....	600
Idaho .....	.....	438	.....	.....	.....	.....	438
Illinois	3,483	13,577	2,081	.....	.....	.....	19,141
Indiana	23,096	6,394	320	.....	\$8,550	6,703	45,063
Iowa	3,058	15,052	771	.....	.....	182	19,063
Kansas	3,625	6,164	44,080	.....	.....	1,304	55,173
Kentucky	17,598	29,348	9,232	.....	.....	.....	56,178
Louisiana ^a	118,192	.....	.....	.....	.....	.....	118,192
Maryland	6,655	.....	.....	.....	.....	.....	6,655
Massachusetts	47,283	78,644	.....	.....	.....	27,500	153,427
Michigan	73,850	58,800	.....	\$192,000	4,000	.....	238,650
Minnesota	74,318	84,895	107,787	.....	.....	.....	267,000
Missouri	28,462	5,404	19,278	.....	.....	257	53,401
Montana	34,410	20,400	1,200	.....	.....	3,620	59,630
New Jersey	29,760	166,264	2,210	.....	.....	.....	198,234
New Mexico .....	.....	1,000	1,500	.....	.....	.....	2,500
New York	59,405	301,109	^b 948,553	.....	.....	158,429	1,467,496
North Carolina	15,660	8,216	1,000	.....	.....	2,334	27,210
Ohio	501,071	530,005	612,968	542,721	6,915	39,936	2,233,596
Oregon	4,890	155	55	.....	.....	350	5,450
Pennsylvania	247,586	412,633	243,118	6,727	200	139,984	1,050,248
South Dakota	5,500	6,800	375	.....	.....	.....	12,675
Tennessee .....	.....	11,300	.....	.....	.....	.....	11,300
Texas	15,066	12,847	9,125	.....	.....	.....	37,038
Utah	9,029	52,548	5,006	.....	.....	150	66,733
Virginia .....	.....	6,000	.....	.....	.....	.....	6,000
Washington	38,211	29,172	.....	.....	.....	750	68,133
West Virginia	6,615	58,700	300	6,823	.....	.....	72,438
Wisconsin	30,237	47,680	404	.....	.....	3,250	81,571
Wyoming	16,354	8,317	.....	.....	.....	3,000	27,671
Total	1,778,322	2,207,699	2,071,887	658,271	19,645	413,476	7,149,300

^a Includes Mississippi.

^b Includes \$225,592 used for paving purposes.

Value of sandstone produced in the United States in 1900 and 1901, etc.—Continued.

1901.

State.	Building purposes.	Crushed stone.			Paving.	Riprap, rubble, etc.
		Railroad ballast.	Road making.	Concrete.		
Alabama.....	\$1,880					\$2,000
Arizona.....	202,500					
Arkansas.....	10,805	\$700	\$15,136	\$20,368	\$2,000	3,278
California.....	230,521		23,000	1,000	29,594	16,633
Colorado.....	93,534		15,500			24,406
Connecticut.....	114,795					1,470
Idaho.....	20,843					
Illinois.....	8,720	20			523	355
Indiana.....	23,475				650	4,098
Iowa.....	13,491		275		251	178
Kansas.....	15,981	450			1,775	125
Kentucky.....	100,569				6,000	
Maryland.....	4,546					
Massachusetts.....	176,850		14,600	50,800		400
Michigan.....	128,909					26,519
Minnesota.....	85,800		3,015	6,500	82,500	52,870
Missouri.....	32,899		2,884	12	1,890	3,278
Montana.....	39,135			2,300		15,684
Nebraska.....	515					
New Jersey.....	211,318		756	75	64	18,705
New York.....	512,352	6,125	9,560	3,030	168,596	12,579
North Carolina.....	11,100					582
Ohio.....	936,650	2,000	5,230	7,775		95,536
Oregon.....	482		49			
Pennsylvania.....	1,544,621	20,157	28,919	7,866	65,067	78,243
South Dakota.....	13,325					4,272
Tennessee.....	10,180			50		
Texas.....	39,605		10,000			28,918
Utah.....	32,636					3,224
Virginia.....	4,703					600
Washington.....	67,480			240		20,050
West Virginia.....	95,406	1,435	60	235		5,660
Wisconsin.....	72,229		1,519			15,509
Wyoming.....	18,118			23,706		12,321
Total.....	4,875,973	30,887	130,503	123,957	358,910	447,520

Value of sandstone produced in the United States in 1900 and 1901, etc.—Continued.

1901—Continued.

State.	Curbing.	Flagstones.	Grind-stones.	Whet-stones.	Other pur-poses.	Total value.
Alabama.....					\$4,800	\$8,680
Arizona.....						202,500
Arkansas.....	\$10,256	\$232			50	62,825
California.....		280				301,028
Colorado.....		85,491			18,400	237,331
Connecticut.....					30,549	146,814
Idaho.....						20,843
Illinois.....		2,042			1,224	12,884
Indiana.....		111		\$6,625		34,959
Iowa.....		71			75	14,341
Kansas.....		31,370			200	49,901
Kentucky.....		830			\$60	108,259
Maryland.....						4,546
Massachusetts.....					4,660	247,310
Michigan.....			\$104,200	11,950	19,000	290,578
Minnesota.....					16,000	246,685
Missouri.....	146	464			597	42,170
Montana.....		200	2,280		1,120	60,719
Nebraska.....						515
New Jersey.....					13,594	244,512
New York.....	281,679	269,790			67,616	1,331,327
North Carolina.....						11,682
Ohio.....	233,965	510,568	548,844	28,699	207,429	2,576,723
Oregon.....						531
Pennsylvania.....	85,676	113,508			119,025	2,063,082
South Dakota.....					50	17,647
Tennessee.....					112	10,342
Texas.....	25,000	8,000			45	111,568
Utah.....		3,000			59	38,919
Virginia.....						5,303
Washington.....					1,404	89,174
West Virginia.....		214	3,700			106,710
Wisconsin.....		328			840	90,425
Wyoming.....						54,145
Total.....	636,722	1,026,499	659,024	47,274	507,709	8,844,978

The following table shows the value and uses of the bluestone produced in the United States in 1900 and 1901, by States:

Value and uses of bluestone produced in the United States in 1900 and 1901, by States.

1900.

State.	Flagging.	Curbing.	Gutters and crossings.	Coping, sills, lintels.	Other pur-poses.	Total value.
New York.....	\$340,087	\$169,332	\$60,644	\$181,773	\$165,229	\$917,065
Pennsylvania.....	90,609	46,227	7,031	12,179	125,408	281,454
Total.....	430,696	215,559	67,675	193,952	290,637	1,198,519

Value and uses of bluestone produced in the United States in 1900 and 1901, by States—
Continued.

1901.

State.	Building purposes.	Flagging.	Curbing.	Gutter and crossings.	Coping, steps, sills, and lintels.	Other purposes.	Total value.
New York	\$156,091	\$230,453	\$206,455	\$32,466	\$164,296	\$48,363	\$838,124
Pennsylvania	103,718	87,008	42,747	12,189	35,044	45,651	326,357
Total	259,809	317,461	249,202	44,655	199,340	94,014	1,164,481

SLATE.

The production of slate in 1901 showed an increase of \$547,059 over that of 1900, the value advancing from \$4,240,466 in 1900 to \$4,787,525 in 1901. The increase was in the amount and value of the roofing slate, which increased from 1,194,048 squares, valued at \$3,596,182, in 1900 to 1,304,379 squares in 1901, valued at \$4,114,410, an increase of 110,331 squares, valued at \$518,228. The average value per square advanced from \$3.01 in 1900 to \$3.15 in 1901, an increase of 14 cents. The value of milled stock produced increased from \$644,284 in 1900 to \$673,115 in 1901, a gain of \$28,831.

Of the States producing slate California, Georgia, Maryland, and Virginia show a slight decrease; Maine, Minnesota, New Jersey, New York, Pennsylvania, and Vermont show an increase.

The following table shows the output of slate in the United States, by States, from 1897 to 1901:

Value of slate produced in the United States from 1897 to 1901.

State.	1897.	1898.	1899.	1900.	1901.
California	\$7,000	\$2,700	\$6,642	\$26,500	\$18,608
Georgia		13,125		9,375	3,000
Maine	201,117	199,237	181,766	177,342	202,325
Maryland	53,939	82,240	93,595	128,673	105,798
Massachusetts		958			
Minnesota	1,500	400		700	1,400
New Jersey	775	800	(*)	13,600	30,000
New York	53,799	48,694	76,675	62,755	100,960
Pennsylvania	2,365,299	2,491,756	2,537,022	2,713,598	2,984,264
Tennessee			(*)	250	
Utah			(*)		
Vermont	695,815	732,684	872,673	917,462	1,162,191
Virginia	145,370	150,946	183,110	190,211	178,979
Other States			11,250		
Total	3,524,614	3,723,540	3,962,733	4,240,466	4,787,525

* Included in "Other States."

The following tables show the value of roofing and milled slate in the United States in 1900 and 1901, by States:

Value of roofing and mill slate in the United States in 1900 and 1901, by States.

1900.

State.	Roofing slate.	Value.	Other pur- poses than roofing, value.	Total value.
	<i>Squares.</i>			
California	3,500	\$26,500		\$26,500
Georgia	2,500	9,375		9,375
Maine	21,771	103,949	\$73,393	177,342
Maryland	27,158	126,271	2,402	128,673
Minnesota			700	700
New Jersey	3,600	13,600		13,600
New York	7,713	58,360	4,895	62,755
Pennsylvania	788,571	2,277,192	436,406	2,713,598
Tennessee	50	250		250
Vermont	282,820	795,474	121,988	917,462
Virginia	56,365	185,211	5,000	190,211
Total	1,194,048	3,596,182	644,284	4,240,466

1901.

	<i>Squares.</i>			
California	2,500	\$18,608		\$18,608
Georgia	800	3,000		3,000
Maine	20,791	111,295	\$91,030	202,325
Maryland	20,153	104,781	1,017	105,798
Minnesota			1,400	1,400
New Jersey	7,500	30,000		30,000
New York	15,786	91,805	9,155	100,960
Pennsylvania	853,028	2,591,625	392,639	2,984,264
Vermont	330,191	984,317	177,874	1,162,191
Virginia	53,630	178,979		178,979
Total	1,304,379	4,114,410	673,115	4,787,525

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	1896	\$3.36
1891	3.49	1897	3.09
1892	3.56	1898	3.42
1893	3.55	1899	3.14
1894	3.11	1900	3.01
1895	3.23	1901	3.15

EXPORTS.

The export trade in roofing slate, which rose so precipitately from a value of \$780,112 in 1897 to a value of \$1,370,075 in 1898, has been decreasing ever since. In 1901 the value of roofing slate exported, as

shown in the figures from the Bureau of Statistics of the Treasury Department, was \$898,262, a decrease of \$52,281 from the value of \$950,543, given in 1900. The chief exportation is to Great Britain, to which slate to the value of \$727,088 was sent in 1901. In 1898 the value of roofing slate exported to Great Britain was \$1,213,377. The cause of the decrease in exportation to Great Britain is the almost entire settlement of the big strikes in the old Welsh slate quarries and the opening and development of new quarries. Exports of slate to British Australia, which have been increasing for the last four years, are the next in value. The exportation to Denmark is next. It began in 1898 with \$8,150 as the value of roofing slate exported, and this has since risen to \$43,344. Most of this slate is shipped from New York, Philadelphia, Baltimore, and Boston.

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

Exports of slate from the United States, showing ports and customs districts from which and to which sent, from 1893 to 1901.

Port and customs district.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.
Baltimore, Md.				\$9,860	\$101,581	\$170,916	\$99,083	\$110,049	\$135,571
Bangor, Me.		\$445		350				577	1,144
Boston and Charlestown, Mass.	\$1,086		\$443	609	1,020	385	40,622	65,531	93,972
Newport News, Va.					18,170	65,290	42,220	19,950	12,910
New York, N. Y.	36,306	19,684	31,092	242,559	557,099	986,638	968,395	592,288	388,590
Passamaquoddy, Me.			192		120				
Philadelphia, Pa.				2,300	94,865	136,916	205,779	150,254	236,090
Portland and Falmouth, Me.					270				
Brazos de Santiago, Tex.	5						14		
Corpus Christi, Tex.			105	174		1,761			
New Orleans, La.		587							
Paso del Norte, Tex.		621							
Puget Sound, Wash.						22	67		1,436
San Diego, Cal.							7		
Arizona									20
Buffalo Creek, N. Y.	13,428	13,696	4,748	5,903	2,378	4,141	6,364	6,584	19,193
Champlain, N. Y.	869	1,869	1,961	1,617	613	3,015	937	2,320	2,446
Detroit, Mich.			65	2,874	2,427	854	129	1,441	380
Huron, Mich.	200							424	
Memphremagog, Vt.									644
North and South Dakota.	94	160				137		612	942
Oswegatchie, N. Y.								487	4,915
Vermont	24	133	200	139	1,569			26	9
Total	52,012	37,195	38,806	266,385	780,112	1,370,075	1,363,617	950,543	898,262
Belgium							524		
France				12,000					
Germany			25	910	5,850	82,916	65,974	17,921	5,180
Netherlands					2,087	25	520		600
United Kingdom	1,400	4,800	3,000	197,440	695,980	1,213,377	1,188,962	813,918	727,088
Denmark						8,150	25,323	25,437	43,344

Exports of slate from the United States, showing ports and customs districts, etc.—Cont'd.

Port and customs district.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.
Norway and Sweden						\$270	\$669	\$859	\$1,857
Bermuda	\$1,046	\$336	\$1,550	\$2,312	\$1,395	157	230	202	3,222
Dominion of Canada:									
Nova Scotia, New Brunswick, etc....	119	445	406	1,278	730		288	798	1,269
Quebec, Ontario, etc.	14,615	15,858	6,974	10,533	6,977	8,147	7,430	11,894	27,587
British Columbia						22	67		2,378
Newfoundland and Labrador	32		13					30	
Central American States:									
Guatemala						1,755			
Honduras		587							
Mexico	22	621	488	821	150	1,872	330		20
Miquelon, Langley, etc.						35			60
West Indies:									
British		3,803	4,419	1,159	1,860	2,356	1,400	2,049	1,067
Haiti		330				26		332	
Santo Domingo			10						
Cuba		2,643	3,258	90		673	16		
Colombia				259	100			285	
Guianas:									
British		712	702	440	165	600			
Dutch	3,145		340		1,640	1,325	2,275	650	
Peru	405							1,000	
Uruguay				417		807	760	829	424
China						110			
East Indies—British				1,628	810	550			
British Australasia	30,362	7,060	17,363	34,970	60,604	44,642	64,434	71,881	79,319
Hawaiian Islands				245	166		77		
British Africa	866		258	1,883	1,598	2,218	4,335	2,458	4,847
Portuguese Africa						42	3		
Total	52,012	37,195	38,806	266,385	780,112	1,370,075	1,363,617	950,543	898,262

MARBLE.

The value of the marble produced increased from \$4,267,253 in 1900 to \$4,965,699 in 1901, or a gain of \$698,446. There was an increase in the value of the marble sold in the rough, for building purposes, for ornamental work, and for interior work, but a decrease in the value for the cemetery work.

The increase in the value of marble sold in the rough was from \$491,813 in 1900 to \$591,667 in 1901, or \$99,854. The increase in value of building marble was from \$1,080,969 in 1900 to \$1,236,023 in 1901, or \$155,054. The increase in value for ornamental work was from \$13,754 in 1900 to \$126,576 in 1901, or \$112,822. The increase

in value for interior work was from \$555,092 in 1900 to \$1,008,482 in 1901, a gain of \$453,390. The decrease in value for cemetery work was from \$2,019,474 in 1900 to \$1,948,892 in 1901, or \$70,582. The value of marble used for purposes not included in the above tabulations decreased from \$106,151 in 1900 to \$54,059 in 1901.

New localities added to the producing list were Alaska, Utah, Oregon, and Arkansas, while Alabama and Colorado failed to report any production in 1901. These States, including Arizona and Montana, only quarried a very small amount for the purpose of local work, or to show the quality of their marble in samples. The operators in these States report good marble quarries, and are waiting for transportation facilities in order to put their product on the market. Alabama, Indian Territory, Kentucky, North Carolina, Virginia, and West Virginia have also quarries from which marketable marble has been obtained, and from which future reports may be expected.

The following table shows the value of the marble production in the United States from 1897 to 1901, inclusive, by States:

Value of marble, by States, from 1897 to 1901, inclusive.

State.	1897.	1898.	1899.	1900.	1901.
Alaska.....					\$4,500
Alabama.....				\$500	
Arizona.....				5,000	300
Arkansas.....			\$3,410		300
California.....	\$48,690	\$40,200	6,500	17,500	6,642
Colorado.....	99,600		10,776		
Georgia.....	598,076	656,808	742,554	631,241	936,549
Idaho.....	5,000	4,400		1,250	
Iowa.....					
Maryland.....	130,000	120,525	77,000	70,000	68,100
Massachusetts.....	79,721	38,210	59,416	130,735	126,546
Missouri.....				900	2,100
Montana.....				1,200	1,500
New Mexico.....				4,500	10,600
New York.....	354,631	342,072	338,816	332,518	379,159
Oregon.....					500
Pennsylvania.....	62,683	39,373	139,506	151,167	157,547
Tennessee.....	441,954	316,814	*384,705	424,054	494,637
Utah.....			2,355		320
Vermont.....	2,050,229	2,067,938	2,241,806	2,484,852	2,753,583
Washington.....		3,600	4,837	11,836	22,816
Total.....	3,870,584	3,629,940	4,011,681	4,267,253	4,965,699

* Contains small amount from North Carolina.

The following table shows the purposes for which the marble of the various producing States was sold by the quarrymen in 1900 and 1901.

Value of the marble product, by uses and States, 1900 and 1901.

1900.

State.	Rough.	Building.	Orna- mental.	Cemetery.	Interior.	Other.	Total.
Alabama	\$500						\$500
Arizona	5,000						5,000
California	5,000	\$4,400	\$5,900	\$2,200			17,500
Georgia	194,483	87,777		228,409	\$104,322	\$16,250	631,241
Idaho	250			1,000			1,250
Maryland		50,000		20,000			70,000
Massachusetts	5,950	107,604		300	10,961	5,920	130,735
Missouri				900			900
Montana				1,200			1,200
New Mexico	1,500	1,500		1,000		500	4,500
New York	51,480	102,904		164,331		13,803	332,518
Pennsylvania	16,056	114,533		10,003	8,000	2,575	151,167
Tennessee	88,284	36,750		70,250	228,770		424,054
Vermont	123,310	574,623	6,000	1,510,980	202,950	66,989	2,484,852
Washington		878	1,854	8,901	89	114	11,836
Total	491,813	1,080,969	13,754	2,019,474	555,092	106,151	4,267,253

1901.

Alaska	\$4,500						\$4,500
Arizona	300						300
Arkansas	200		\$100				300
California	3,280	\$1,550	1,812				6,642
Georgia	268,761	241,683	16,500	\$207,305	\$166,300	\$36,000	936,549
Maryland	8,100	45,000		15,000			68,100
Massachusetts	63,556	26,220	3,700	9,560	15,051	8,459	126,546
Missouri				2,100			2,100
Montana				1,500			1,500
New Mexico	4,200	3,000	300	3,100			10,600
New York	2,867	132,943	4,900	204,289	28,000	6,660	379,159
Oregon				500			500
Pennsylvania	18,078	111,069		25,060	400	2,940	157,547
Tennessee	162,513	13,000		14,000	305,124		494,637
Utah	320						320
Vermont	53,892	659,200	94,450	1,452,434	493,607		2,753,583
Washington	1,600	2,358	4,814	14,044			22,816
Total	591,667	1,236,023	126,576	1,948,892	1,008,482	54,059	4,965,699

The following table shows the various uses to which the marble quarried in 1897, 1898, 1899, 1900, and 1901 was put:

Distribution and value of output in 1897, 1898, 1899, 1900, and 1901 among various uses.

Use.	1897.	1898.	1899.	1900.	1901.
Sold by producers in rough state.....	\$477,856	\$690,240	\$640,535	\$491,813	\$591,667
Sold for outside building.....	1,074,646	968,353	1,176,208	1,080,969	1,236,023
Ornamental purposes	9,010	23,904	92,942	13,754	126,576
Cemetery work (monuments and tombstones)	1,547,469	1,613,742	1,650,155	2,019,474	1,948,892
Interior decoration in buildings	576,983	304,714	389,040	555,092	1,008,482
Other uses.....	184,620	28,987	62,801	106,151	54,059
Total	3,870,584	3,629,940	4,011,681	4,267,253	4,965,699

LIMESTONE.

The total limestone production in the United States in 1901 was valued at \$26,406,897, an increase of \$6,052,878 over 1900, when the product was valued at \$20,354,019. Of the 41 States reporting a limestone production in 1901, 35 reported an increased production. The States with the greatest production are, in order of rank, Pennsylvania, Indiana, Illinois, Ohio, New York, Missouri, and Wisconsin. This order of rank was the same in 1900. In 1901 each of the above States had a production valued at more than \$1,000,000. In 1900 Wisconsin had a product of slightly less than \$1,000,000. Indiana ranks first in the production of building stone, crushed stone, riprap, rubble, etc., and Pennsylvania stands first in the production of lime and flux.

The value of limestone produced for building work increased from \$4,330,706 in 1900 to \$5,219,310 in 1901, or \$888,604. The total for building purposes includes \$404,163 used for building railroad bridges. The value of limestone used for road material increased from \$3,953,469 in 1900 to \$5,271,642 in 1901, or \$1,318,173. The total value of road material in 1901 includes railroad ballast, valued at \$1,758,541; road-making material (macadam, etc.), valued at \$2,298,286, and concrete, valued at \$1,214,815. The production of riprap, rubble, etc., increased from \$582,488 in 1900 to \$1,024,109 in 1901. The value of the lime which decreased in 1900 in comparison with 1899, increased again in 1901. The value in 1900 was \$6,797,496, in 1901 it was \$8,204,054, a gain of \$1,406,558. The value of stone used for blast-furnace flux increased from \$3,687,394 in 1900 to \$4,659,836 in 1901, or \$972,442. This includes, as in 1900, stone sold by quarrymen to blast furnaces, and also limestone quarried by iron companies for their own use.

Under "stone used for other purposes," is included \$570,882, which represents the value of the limestone used by Portland cement manufacturers. This is the first time that these figures have been collected.

The following table shows the production of limestone in the United States from 1897 to 1901, by States:

Value of limestone from 1897 to 1901, by States.

State.	1897.	1898.	1899.	1900.	1901.
Alabama	\$221,811	\$242,295	\$364,636	\$533,608	\$619,423
Arizona.....	11,522	1,782	960	165	300
Arkansas.....	44,222	54,373	71,965	71,407	68,319
California.....	308,925	229,729	287,295	407,489	645,455
Colorado.....	79,256	109,310	96,456	160,587	245,799
Connecticut.....	178,410	142,057	162,388	148,060	140,424
Florida.....	18,889	91,330	44,002	128,381	51,870
Georgia.....	32,000	57,803	29,786	54,451	85,629
Idaho.....	15,538	3,080	3,325	34,587	21,251
Illinois.....	1,483,157	1,421,072	2,065,483	1,881,151	2,793,837
Indiana.....	2,012,608	1,686,572	2,173,833	2,344,818	2,993,186
Iowa.....	480,572	524,546	785,576	586,410	777,484
Kansas.....	208,889	305,605	379,001	339,466	478,986
Kentucky.....	40,815	83,960	178,861	178,252	199,567
Maine.....	742,877	1,283,468	1,028,375	691,312	715,272
Maryland.....	181,637	433,653	235,225	317,207	382,381
Massachusetts.....	126,508	174,822	168,147	209,359	244,039
Michigan.....	215,177	271,523	371,210	425,636	565,931
Minnesota.....	236,397	345,685	496,462	441,554	522,778
Missouri.....	1,018,202	735,275	977,399	1,079,343	1,362,272
Montana.....	37,300	63,196	113,718	141,093	143,866
Nebraska.....	42,359	78,493	125,017	107,305	154,717
New Jersey.....	141,646	146,611	153,025	170,006	309,738
New York.....	1,697,780	1,533,936	1,545,699	1,730,162	1,738,716
North Carolina ^a		1,605			8,266
Ohio.....	1,486,550	1,673,160	1,793,604	1,969,387	2,606,502
Oklahoma.....		3,000	50,550	25,586	32,497
Oregon.....		7,480	8,000	10,900	24,520
Pennsylvania.....	2,327,870	2,746,256	3,088,583	3,800,318	5,081,387
Rhode Island.....	11,555	10,215	18,239	16,828	38,030
South Carolina.....	30,000	34,000	17,650	38,415	28,500
South Dakota.....	3,895	26,858	45,808	47,762	53,780
Tennessee.....	113,774	182,402	208,097	238,505	330,927
Texas.....	57,258	70,321	100,025	124,728	209,658
Utah.....	9,250	11,721	6,381	12,749	78,900
Vermont.....	165,657	174,150	282,173	188,100	205,138
Virginia.....	192,972	182,852	255,640	403,318	^b 986,177
Washington.....	126,877	140,239	139,339	249,163	234,587
West Virginia.....	61,546	56,167	58,802	53,701	(^c)
Wisconsin.....	641,232	698,454	826,486	989,685	1,225,448
Wyoming.....			742	3,065	1,340
Total.....	14,804,933	16,039,056	18,757,963	20,354,019	26,406,897

^a Small amounts for 1899 and 1900 are included with South Carolina.

^b Includes West Virginia.

^c Included in Virginia.

The following tables show the value of the limestone production in 1900 and 1901, by States and uses:

Production of limestone in the United States in 1900 and 1901, by States and uses.

1900.

State or Territory.	Building purposes.	Paving and road making.	Riprap.	Made into lime.	Stone sold to lime burners.	Flux.	Other purposes.	Total.
Alabama.....	\$83,380	.....	\$14,697	\$139,090	.....	\$296,241	\$200	\$533,608
Arizona.....	165	.....	.....	.....	.....	.....	.....	165
Arkansas.....	5,994	\$665	.....	64,038	\$200	.....	510	71,407
California.....	1,937	87,128	325	297,810	316	1,080	18,893	407,489
Colorado.....	.....	1,274	.....	96,055	75	62,413	770	160,587
Connecticut.....	.....	25	.....	145,490	.....	2,545	.....	148,060
Florida.....	.....	6,988	97,023	24,370	.....	.....	.....	128,381
Georgia.....	1,200	10,735	.....	39,492	2,000	1,024	.....	54,451
Idaho.....	.....	9,000	.....	25,587	.....	.....	.....	34,587
Illinois.....	499,739	859,602	96,900	246,575	.....	114,849	63,486	1,881,151
Indiana.....	1,639,985	239,913	11,451	227,343	.....	168,692	57,434	2,344,818
Iowa.....	248,883	153,929	58,493	110,589	.....	.....	13,936	586,410
Kansas.....	203,304	113,952	7,586	3,192	1,125	.....	10,307	339,466
Kentucky.....	21,623	115,730	12,500	8,393	.....	17,728	2,278	178,252
Maine.....	.....	.....	.....	629,545	4,218	883	56,666	691,312
Maryland.....	11,385	14,343	524	281,717	3,726	3,867	1,645	317,207
Massachusetts.....	8,175	.....	.....	199,645	.....	1,539	.....	209,359
Michigan.....	32,362	105,266	799	94,789	65,000	3,200	124,220	425,636
Minnesota.....	323,688	27,778	32,912	42,480	400	300	13,996	441,554
Missouri.....	362,344	235,489	57,023	398,010	.....	8,288	18,189	1,079,343
Montana.....	3,000	2,093	.....	19,000	.....	117,000	.....	141,093
Nebraska.....	39,556	31,442	10,488	590	7,088	13,125	5,016	107,305
New Jersey.....	6,955	1,299	1,000	105,902	286	54,564	.....	170,006
New York.....	244,738	484,902	21,668	676,324	40,838	71,408	190,284	1,730,162
Ohio.....	217,399	466,819	47,530	661,869	14,939	422,407	138,424	1,969,387
Oklahoma.....	2,672	22,914	.....	.....	.....	.....	.....	25,586
Oregon.....	.....	.....	.....	10,525	375	.....	.....	10,900
Pennsylvania.....	128,997	684,983	660	910,903	21,799	1,949,859	103,117	3,800,318
Rhode Island.....	.....	.....	.....	16,715	.....	113	.....	16,828
South Carolina *.....	.....	500	.....	36,320	.....	1,595	.....	38,415
South Dakota.....	300	.....	.....	14,380	.....	33,082	.....	47,762
Tennessee.....	22,800	26,490	396	128,035	120	60,564	100	238,505
Texas.....	15,681	9,821	250	79,659	.....	18,942	375	124,728
Utah.....	11,979	.....	.....	770	.....	.....	.....	12,749
Vermont.....	193	32	.....	187,075	.....	.....	800	188,100
Virginia.....	5,070	8,721	.....	151,687	.....	237,840	.....	403,318
Washington.....	.....	240	.....	239,022	.....	6,643	3,258	249,163
West Virginia.....	9,391	40	.....	36,677	5,851	1,742	.....	53,701
Wisconsin.....	177,386	231,356	110,263	445,193	3,630	15,861	5,996	989,685
Wyoming.....	425	.....	.....	2,640	.....	.....	.....	3,065
Total.....	4,330,706	3,953,469	582,488	6,797,496	172,566	3,687,394	829,900	20,354,019

* Includes North Carolina.

Production of limestone in the United States in 1900 and 1901, etc.—Continued.

1901.

State or Territory.	Building purposes.	Flagging and curbing.	Riprap rubble, etc.	Crushed stone.		
				Road making.	Railroad ballast.	Concrete, etc.
Alabama.....	\$42,695		\$225			\$2,500
Arkansas.....	3,466	\$1,020	320	\$1,000		
California.....	1,500		6,366	145,225	\$60,900	5,023
Colorado.....			3,141	100		
Florida.....			6,250	3,670	2,750	
Georgia.....	3,000				9,860	3,721
Idaho.....	100		520			25
Illinois.....	384,949	101,410	477,435	452,143	478,452	225,151
Indiana.....	2,123,237	149,363	61,526	181,696	29,042	15,002
Iowa.....	272,501	8,117	85,342	83,055	30,562	70,285
Kansas.....	290,730	16,872	27,147	14,329	107,904	15,050
Kentucky.....	59,425	10,697	5,500	60,423	29,622	9,370
Maryland.....	14,138	1,796	420	43,887	8,000	1,776
Massachusetts.....	7,224		453			150
Michigan.....	47,785	380	5,098	31,605	18,200	75,643
Minnesota.....	375,308	20,773	39,477	17,918	200	2,150
Missouri.....	377,146	73,197	56,345	105,435	116,293	73,742
Montana.....	7,336	30	1,000			
Nebraska.....	44,015	810	26,312	10,904	5,025	51,380
New Jersey.....	2,460	61	750	1,275	650	
New York.....	265,024	5,055	13,997	188,277	146,077	293,530
North Carolina.....				4,668		
Ohio.....	341,389	13,869	41,451	489,940	299,599	64,347
Oklahoma.....	4,147	2,716	600	9	24,525	
Oregon.....				12,000		100
Pennsylvania.....	192,972	7,321	29,291	221,032	273,260	252,603
South Carolina.....				1,000		
South Dakota.....	225					
Tennessee.....	40,258	775	2,915	1,760	35,425	4,935
Texas.....	45,630	3,117	7,215	3,900		5,350
Utah.....	6,629			23		
Vermont.....	64			610		
Virginia ^a	2,270	25	27,650	225	75,695	2,065
Washington.....						840
West Virginia.....						
Wisconsin.....	263,687	46,571	97,213	222,177	6,500	40,052
Wyoming.....			100			25
Total.....	5,219,310	463,925	1,024,109	2,298,286	1,758,541	1,214,815

^a Includes West Virginia.

Production of limestone in the United States in 1900 and 1901, etc.—Continued.

1901—Continued.

State or Territory.	Lime.	Sold to lime burners.	Flux.	Other purposes.	Total.
Alabama	\$201,586	\$150	\$354,267	\$18,000	\$619,423
Arizona	300				300
Arkansas	62,163	350			68,319
California	343,625	2,836	47,830	32,150	645,455
Colorado	102,466	4,480	121,839	13,773	245,799
Connecticut	139,374	38	1,012		140,424
Florida	39,150	50			51,870
Georgia	65,888		3,160		85,629
Idaho	20,606				21,251
Illinois	504,018		103,729	66,550	2,793,837
Indiana	223,340	1,200	193,469	15,311	2,993,186
Iowa	221,760			5,862	777,484
Kansas	6,350			604	478,986
Kentucky	12,290		6,998	5,242	199,567
Maine	709,251	500	5,521		715,272
Maryland	307,657	4,007	700		382,381
Massachusetts	234,261		1,843	108	244,039
Michigan	136,160	136,173	13,488	101,899	565,931
Minnesota	57,277			9,675	522,778
Missouri	546,549		7,607	5,958	1,362,272
Montana	22,250		113,250		143,866
Nebraska	500	4,281	10,640	850	154,717
New Jersey	62,707	1,708	40,587	199,540	309,738
New York	631,858	46,327	16,190	132,881	1,738,716
North Carolina	3,598				8,266
Ohio	726,883	24,822	550,346	53,856	2,606,502
Oklahoma				500	32,497
Oregon	12,420				24,520
Pennsylvania	1,249,996	151,104	2,243,692	460,116	5,081,387
Rhode Island	37,798		232		38,030
South Carolina	27,500				28,500
South Dakota	13,830		39,725		53,780
Tennessee	181,219		62,640	1,000	330,927
Texas	93,587		50,294	565	209,658
Utah	36,910		34,588	750	78,900
Vermont	204,400		64		205,138
Virginia*	230,810	8,758	595,929	42,750	986,177
Washington	210,341	6,192	16,514	700	234,587
West Virginia					(a)
Wisconsin	522,661		23,682	2,905	1,225,448
Wyoming	1,215				1,340
Total	8,204,054	392,976	4,659,836	1,171,045	26,406,897

* Included in Virginia.